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# NORSEMAN/CTD DRILL & TOOL

**America's Finest High-Speed Steel Cutting Tools™**



## **PRICE LIST** *Catalog*

**Proudly Manufactured in the U.S.A.**

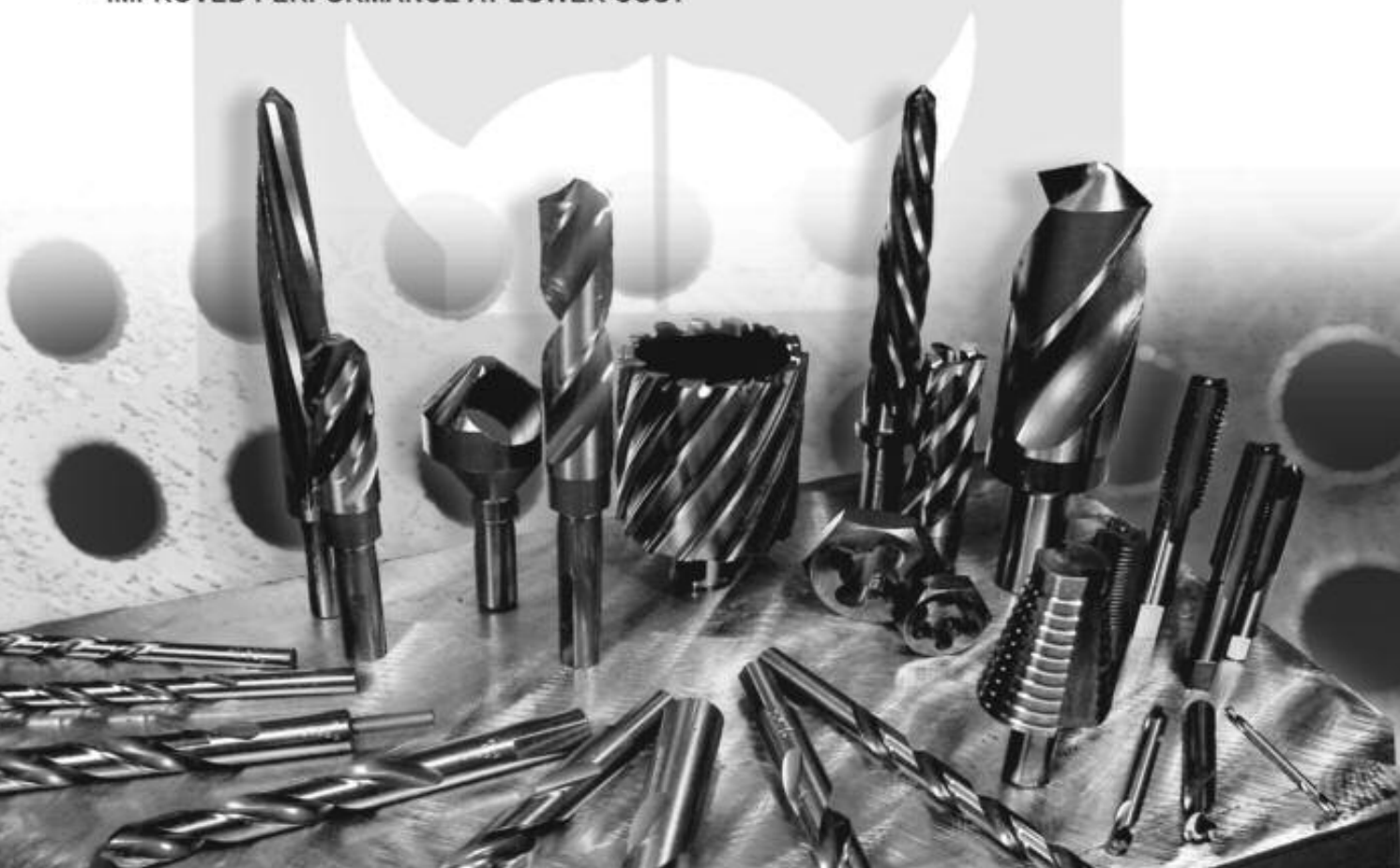
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# NORSEMAN/CTD

## DRILL & TOOL

**America's Finest High-Speed Steel Cutting Tools**

- SUBSTANTIALLY LONGER CUTTING LIFE
- CUTS HARDER MATERIALS
- STOPS DRILL WALKING
- HOLDS TIGHTER HOLE SIZE
- OUTSTANDING QUALITY APPEARANCE
- RUNS COOLER, USES LESS TORQUE
- STOPS CHUCK SLIPPAGE
- REPLACES COBALT IN WORK HARDENING STAINLESS STEEL APPLICATIONS
- IMPROVED PERFORMANCE AT LOWER COST
- FULL LINE HSS DRILLS
- TAPS & DIES
- TAP & DRILL SETS
- HOLE BUSTER™ CAR REAMERS
- STUDOUT™ BOLT REMOVER SETS
- M42 COBALT NAS 907-J DRILLS
- HOLE HOG™ CORE DRILLS
- CHATTERPROOF™ COUNTERSINKS



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| 55-SP 55 pcs. Spiral Point Taps & Hex Dies         | 63 |
| <b>Tap &amp; Drill Assortments</b>                 |    |
| 67-SP Spiral Point Taps & Jobber Length Drills     | 64 |
| 123-SP Spiral Point Taps & Jobber Length Drills    | 64 |
| 123-SF Straight Flutes Taps & Jobber Length Drills | 64 |
| <b>Drawer-Mount Dispensers</b>                     |    |
| Type 914 Fractional, Wire, Letter & Empty          | 63 |

## HSS Heavy-Duty NAS 907B Type 190-CN

### CN-TECH™ Nitride 135° Split Point

- Cryogenic treatment creates a more uniform "grain" structure by transforming retained austenite into martensite.
- Modifies the carbon micro-structure through precipitation of carbides increasing resistance to wear.
- Nitride process diffuses nitrogen into the surface to create a case hardening resulting in superior tool life and exceptional corrosion resistance.



| Part # | Size  | Price   |
|--------|-------|---------|
| 47032  | 1/16  | \$1.93  |
| 47042  | 5/64  | \$2.00  |
| 47052  | 3/32  | \$2.03  |
| 47062  | 7/64  | \$2.16  |
| 47072  | 1/8   | \$2.47  |
| 47082  | 9/64  | \$2.61  |
| 47092  | 5/32  | \$2.78  |
| 47102  | 11/64 | \$2.90  |
| 47112  | 3/16  | \$3.48  |
| 47122  | 13/64 | \$3.80  |
| 47132  | 7/32  | \$3.90  |
| 47142  | 15/64 | \$4.21  |
| 47152  | 1/4   | \$4.58  |
| 47162  | 17/64 | \$5.45  |
| 47172  | 9/32  | \$5.84  |
| 47182  | 19/64 | \$6.58  |
| 47192  | 5/16  | \$6.99  |
| 47202  | 21/64 | \$7.47  |
| 47212  | 11/32 | \$8.82  |
| 47222  | 23/64 | \$9.38  |
| 47232  | 3/8   | \$10.22 |
| 47242  | 25/64 | \$11.17 |
| 47252  | 13/32 | \$11.79 |
| 47262  | 27/64 | \$12.33 |
| 47272  | 7/16  | \$13.85 |
| 47282  | 29/64 | \$15.33 |
| 47292  | 15/32 | \$16.28 |
| 47302  | 31/64 | \$16.75 |
| 47312  | 1/2   | \$17.20 |

#### Sets

| Part No. | Size             | Price    |
|----------|------------------|----------|
| 47492    | CT-13            | \$48.37  |
| 47472    | CT-15            | \$129.14 |
| 47482    | CT-15P Ultra Dex | \$134.45 |
| 47452    | CT-29            | \$234.08 |
| 47462    | CT-29P Ultra Dex | \$236.59 |

## HSS Heavy-Duty NAS 907B Type 190-AG

### Magnum Super Premium 135° Split Point

Special Hi-Molybdenum tool steel. 135° split point for fast penetration and accurate starting without a center punch. Precision ground point, flutes, body, clearance and drill diameter for the ultimate in accuracy and performance.



| Fractional |       |        |
|------------|-------|--------|
| Part #     | Size  | Price  |
| 05580      | 1/16  | \$1.33 |
| 05590      | 5/64  | \$1.38 |
| 05600      | 3/32  | \$1.40 |
| 05610      | 7/64  | \$1.49 |
| 05620      | 1/8   | \$1.70 |
| 05630      | 9/64  | \$1.80 |
| 05640      | 5/32  | \$1.92 |
| 05650      | 11/64 | \$2.00 |

Proudly Manufactured in the U.S.A.

Order: 1-800-328-4655

### Fractional (continued)

| Part # | Size  | Price   |
|--------|-------|---------|
| 05660  | 3/16  | \$2.40  |
| 05670  | 13/64 | \$2.62  |
| 05680  | 7/32  | \$2.69  |
| 05690  | 15/64 | \$2.90  |
| 05700  | 1/4   | \$3.16  |
| 05710  | 17/64 | \$3.76  |
| 05720  | 9/32  | \$4.03  |
| 05730  | 19/64 | \$4.54  |
| 05740  | 5/16  | \$4.82  |
| 05750  | 21/64 | \$5.15  |
| 05760  | 11/32 | \$6.08  |
| 05770  | 23/64 | \$6.47  |
| 05780  | 3/8   | \$7.05  |
| 05790  | 25/64 | \$7.70  |
| 05800  | 13/32 | \$8.13  |
| 05810  | 27/64 | \$8.50  |
| 05820  | 7/16  | \$9.55  |
| 05830  | 29/64 | \$10.57 |
| 05840  | 15/32 | \$11.23 |
| 05850  | 31/64 | \$11.55 |
| 05860  | 1/2   | \$11.86 |
| 22210  | 33/64 | \$23.56 |
| 22220  | 17/32 | \$24.66 |
| 22230  | 35/64 | \$26.67 |
| 22240  | 9/16  | \$27.96 |
| 22250  | 37/64 | \$28.03 |
| 22260  | 19/32 | \$28.79 |
| 22270  | 39/64 | \$31.62 |
| 22280  | 5/8   | \$30.89 |
| 22290  | 41/64 | \$33.80 |
| 22300  | 21/32 | \$32.39 |
| 22310  | 43/64 | \$35.33 |
| 22320  | 11/16 | \$33.67 |
| 22330  | 45/64 | \$37.44 |
| 22340  | 23/32 | \$35.66 |
| 22350  | 47/64 | \$39.02 |
| 22360  | 3/4   | \$37.13 |

#### Letter

| Part # | Size | Price   |
|--------|------|---------|
| 39460  | A    | \$3.95  |
| 39470  | B    | \$3.95  |
| 39480  | C    | \$3.95  |
| 39490  | D    | \$3.83  |
| 39500  | E    | \$3.16  |
| 39510  | F    | \$4.25  |
| 39520  | G    | \$4.60  |
| 39530  | H    | \$4.72  |
| 39540  | I    | \$4.72  |
| 39550  | J    | \$4.96  |
| 39560  | K    | \$5.55  |
| 39570  | L    | \$5.38  |
| 39580  | M    | \$5.88  |
| 39590  | N    | \$5.88  |
| 39600  | O    | \$5.88  |
| 39610  | P    | \$6.61  |
| 39620  | Q    | \$6.77  |
| 39630  | R    | \$7.07  |
| 39640  | S    | \$7.64  |
| 39650  | T    | \$8.59  |
| 39660  | U    | \$8.59  |
| 39670  | V    | \$8.77  |
| 39680  | W    | \$9.17  |
| 39690  | X    | \$10.93 |
| 39700  | Y    | \$12.83 |
| 39710  | Z    | \$13.11 |

#### Wire

| Part # | Size | Price  |
|--------|------|--------|
| 38940  | 1    | \$3.66 |
| 38950  | 2    | \$3.66 |
| 38960  | 3    | \$3.38 |
| 38970  | 4    | \$3.38 |
| 38980  | 5    | \$3.38 |
| 38990  | 6    | \$3.38 |

### Wire (continued)

|       |    |        |
|-------|----|--------|
| 39000 | 7  | \$2.99 |
| 39010 | 8  | \$2.99 |
| 39020 | 9  | \$2.99 |
| 39030 | 10 | \$2.92 |
| 39040 | 11 | \$2.69 |
| 39050 | 12 | \$2.69 |
| 39060 | 13 | \$2.60 |
| 39070 | 14 | \$2.60 |
| 39080 | 15 | \$2.60 |
| 39090 | 16 | \$2.60 |
| 39100 | 17 | \$2.60 |
| 39110 | 18 | \$2.26 |
| 39120 | 19 | \$2.26 |
| 39130 | 20 | \$2.26 |
| 39140 | 21 | \$2.07 |
| 39150 | 22 | \$2.07 |
| 39160 | 23 | \$2.04 |
| 39170 | 24 | \$2.04 |
| 39180 | 25 | \$1.97 |
| 39190 | 26 | \$1.97 |
| 39200 | 27 | \$1.97 |
| 39210 | 28 | \$1.76 |
| 39220 | 29 | \$1.76 |
| 39230 | 30 | \$1.76 |
| 92310 | 31 | \$1.76 |
| 92300 | 32 | \$1.76 |
| 92290 | 33 | \$1.76 |
| 92280 | 34 | \$1.76 |
| 92270 | 35 | \$1.76 |
| 92260 | 36 | \$1.76 |
| 92250 | 37 | \$1.76 |
| 92240 | 38 | \$1.76 |
| 92230 | 39 | \$1.76 |
| 92220 | 40 | \$1.76 |
| 88420 | 41 | \$1.76 |
| 88410 | 42 | \$1.76 |
| 88400 | 43 | \$1.76 |
| 88390 | 44 | \$1.76 |
| 88380 | 45 | \$1.76 |
| 88370 | 46 | \$1.76 |
| 88360 | 47 | \$1.76 |
| 88350 | 48 | \$1.76 |
| 88340 | 49 | \$1.76 |
| 88330 | 50 | \$1.76 |
| 88320 | 51 | \$1.76 |
| 88310 | 52 | \$1.76 |
| 88300 | 53 | \$1.76 |
| 88290 | 54 | \$1.76 |
| 88280 | 55 | \$1.76 |
| 88270 | 56 | \$1.76 |
| 88260 | 57 | \$1.76 |
| 88250 | 58 | \$1.76 |
| 88240 | 59 | \$1.76 |
| 88230 | 60 | \$1.76 |

### Carded Type 190-AG

| Part #                | Size  | Price  | Part # | Size  | Price   |
|-----------------------|-------|--------|--------|-------|---------|
| 05587                 | 1/16  | \$4.38 | 05717  | 17/64 | \$4.28  |
| 05597                 | 5/64  | \$4.53 | 05727  | 9/32  | \$4.55  |
| 05607                 | 3/32  | \$4.60 | 05737  | 19/64 | \$4.80  |
| 05617                 | 7/64  | \$4.87 | 05747  | 5/16  | \$5.32  |
| 05627                 | 1/8   | \$5.55 | 05757  | 21/64 | \$5.68  |
| (3 per card thru 1/8) |       |        | 05767  | 11/32 | \$6.60  |
| 05637                 | 9/64  | \$4.05 | 05777  | 23/64 | \$6.99  |
| 05647                 | 5/32  | \$4.28 | 05787  | 3/8   | \$7.69  |
| 05657                 | 11/64 | \$4.43 | 05797  | 25/64 | \$8.35  |
| 05667                 | 3/16  | \$5.25 | 05807  | 13/32 | \$8.77  |
| 05677                 | 13/64 | \$5.70 | 05817  | 27/64 | \$9.16  |
| 05687                 | 7/32  | \$5.83 | 05827  | 7/16  | \$10.19 |
| 05697                 | 15/64 | \$6.23 | 05837  | 29/64 | \$11.19 |
| 05707                 | 1/4   | \$6.74 | 05847  | 15/32 | \$11.85 |
| (2 per card thru 1/4) |       |        | 05857  | 31/64 | \$12.18 |
|                       |       |        | 05867  | 1/2   | \$12.52 |

Continued Type 190 -AG Sets/Displays page 2

## Reduced Shank, Heavy-Duty

### HSS Heavy-Duty NAS 907B Type 190-AG Sets/Displays

135° Split Point Black & Gold  
Magnum Super Premium

| Part No. | Size                     | Price    |
|----------|--------------------------|----------|
| 44110    | SP-13                    | \$32.94  |
| 44120    | SP-15                    | \$90.59  |
| 44130    | SP-21                    | \$83.24  |
| 88660    | SP-26                    | \$174.54 |
| 44150    | SP-29                    | \$164.90 |
| 44170    | SP-29P (Ultra Dex)       | \$170.18 |
| 44190    | SP-29PON                 | \$170.18 |
|          | Blaze Orange (Ultra Dex) |          |
| 88640    | SP-60                    | \$134.26 |
| 93840    | SP-115                   | \$487.38 |

#### 300 Piece Countertop Display

| Part No. | Size   | Price      |
|----------|--------|------------|
| 06490    | 300-SP | \$1,087.69 |

#### Fractional Drills - 96 pc. Stocking Case

| Part No. | Size  | Price    |
|----------|-------|----------|
| 06500    | 96-SP | \$490.08 |

#### Wire Gauge Drills - 249 pc. Stocking Case

| Part No. | Size   | Price    |
|----------|--------|----------|
| 35070    | 249-SP | \$560.56 |

#### Letter Drills - 72 pc. Stocking Case

| Part No. | Size  | Price    |
|----------|-------|----------|
| 35080    | 72-SP | \$491.40 |

### 3/8" Reduced Shank Type 128-AG

135° Split Point Magnum Super Premium

Drill is a Type 190-AG with a 3/8" reduced shank.

- Special Hi-Molybdenum tool steel.
- 135° split point for fast penetration and accurate starting without center punch.



#### Fractional

| Part No. | Size  | Price   |
|----------|-------|---------|
| 59200    | 25/64 | \$10.43 |
| 59210    | 13/32 | \$10.87 |
| 59220    | 27/64 | \$11.25 |
| 59230    | 7/16  | \$12.28 |
| 59240    | 29/64 | \$13.30 |
| 59250    | 15/32 | \$13.95 |
| 59260    | 31/64 | \$14.28 |
| 59270    | 1/2   | \$14.61 |
| 59280    | 17/32 | \$30.09 |
| 59290    | 9/16  | \$30.99 |
| 59300    | 19/32 | \$34.00 |
| 59310    | 5/8   | \$34.26 |

#### Carded Type 128-AG

| Part # | Size  | Price   | Part # | Size  | Price   |
|--------|-------|---------|--------|-------|---------|
| 59207  | 25/64 | \$11.08 | 59247  | 29/64 | \$13.94 |
| 59217  | 13/32 | \$11.52 | 59257  | 15/32 | \$14.59 |
| 59227  | 27/64 | \$11.87 | 59267  | 31/64 | \$14.94 |
| 59237  | 7/16  | \$12.92 | 59277  | 1/2   | \$15.25 |

### 3/8" Reduced Shank Type 128-AG Sets

Black & Gold - 135° Split Point  
Heavy-Duty Super Premium

| Part No. | Size                    | Price    |
|----------|-------------------------|----------|
| 92110    | RSP-15                  | \$101.33 |
| 92100    | RSP-29                  | \$186.37 |
| 92150    | RSP-29P (Ultra Dex)     | \$191.69 |
| 92152    | RSP-29PO - Blaze Orange | \$191.69 |
| 92170    | SP-21R                  | \$118.18 |

### HSS Heavy-Duty NAS 907B Type 190

Heavy-Duty - Black Oxide

135° Split Point

135° split point drill is self centering and requires less thrust in drilling harder metal than a general purpose drill. Recommended for medium hardness metal drilling applications.



#### Fractional

| Part No. | Size  | Price   |
|----------|-------|---------|
| 04490    | 1/16  | \$1.32  |
| 04500    | 5/64  | \$1.37  |
| 04510    | 3/32  | \$1.39  |
| 04520    | 7/64  | \$1.48  |
| 04530    | 1/8   | \$1.69  |
| 04540    | 9/64  | \$1.79  |
| 04550    | 5/32  | \$1.91  |
| 04560    | 11/64 | \$1.99  |
| 04570    | 3/16  | \$2.35  |
| 04580    | 13/64 | \$2.60  |
| 04590    | 7/32  | \$2.68  |
| 04600    | 15/64 | \$2.87  |
| 04610    | 1/4   | \$3.13  |
| 04620    | 17/64 | \$3.74  |
| 04630    | 9/32  | \$3.97  |
| 04640    | 19/64 | \$4.49  |
| 04650    | 5/16  | \$4.77  |
| 04660    | 21/64 | \$5.04  |
| 04670    | 11/32 | \$5.94  |
| 04680    | 23/64 | \$6.34  |
| 04690    | 3/8   | \$6.89  |
| 04700    | 25/64 | \$7.48  |
| 04710    | 13/32 | \$7.91  |
| 04720    | 27/64 | \$8.29  |
| 04730    | 7/16  | \$9.29  |
| 04740    | 29/64 | \$10.22 |
| 04750    | 15/32 | \$10.87 |
| 04760    | 31/64 | \$11.18 |
| 04770    | 1/2   | \$11.52 |

#### Letter

| Part No. | Size | Price   |
|----------|------|---------|
| 05300    | A    | \$3.28  |
| 05310    | B    | \$3.28  |
| 05320    | C    | \$3.11  |
| 05330    | D    | \$3.11  |
| 05340    | E    | \$3.11  |
| 05350    | F    | \$3.55  |
| 05360    | G    | \$3.68  |
| 05370    | H    | \$3.79  |
| 05380    | I    | \$3.79  |
| 05390    | J    | \$4.49  |
| 05400    | K    | \$4.49  |
| 05410    | L    | \$5.13  |
| 05420    | M    | \$5.41  |
| 05430    | N    | \$5.41  |
| 05440    | O    | \$5.41  |
| 05450    | P    | \$5.67  |
| 05460    | Q    | \$5.67  |
| 05470    | R    | \$5.67  |
| 05480    | S    | \$6.62  |
| 05490    | T    | \$6.62  |
| 05500    | U    | \$7.13  |
| 05510    | V    | \$7.13  |
| 05520    | W    | \$7.65  |
| 05530    | X    | \$9.02  |
| 05540    | Y    | \$9.64  |
| 05550    | Z    | \$10.43 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 04780    | 1    | \$3.37 |
| 04790    | 2    | \$3.14 |
| 04800    | 3    | \$3.14 |
| 04810    | 4    | \$3.14 |
| 04820    | 5    | \$3.14 |
| 04830    | 6    | \$3.14 |
| 04840    | 7    | \$2.51 |
| 04850    | 8    | \$2.80 |
| 04860    | 9    | \$2.78 |
| 04870    | 10   | \$2.60 |
| 04880    | 11   | \$2.60 |
| 04890    | 12   | \$2.60 |
| 04900    | 13   | \$2.51 |
| 04910    | 14   | \$2.51 |
| 04920    | 15   | \$2.51 |
| 04930    | 16   | \$2.36 |
| 04940    | 17   | \$2.30 |
| 04950    | 18   | \$2.22 |
| 04960    | 19   | \$2.13 |
| 04970    | 20   | \$2.13 |
| 04980    | 21   | \$2.08 |
| 04990    | 22   | \$2.08 |
| 05000    | 23   | \$2.02 |
| 05010    | 24   | \$1.93 |
| 05020    | 25   | \$1.90 |
| 05030    | 26   | \$1.86 |
| 05040    | 27   | \$1.86 |
| 05050    | 28   | \$1.72 |
| 05060    | 29   | \$1.72 |
| 05070    | 30   | \$1.72 |
| 05080    | 31   | \$1.59 |
| 05090    | 32   | \$1.59 |
| 05100    | 33   | \$1.59 |
| 05110    | 34   | \$1.59 |
| 05120    | 35   | \$1.59 |
| 05130    | 36   | \$1.65 |
| 05140    | 37   | \$1.65 |
| 05150    | 38   | \$1.65 |
| 05160    | 39   | \$1.52 |
| 05170    | 40   | \$1.52 |
| 05180    | 41   | \$1.51 |
| 05190    | 42   | \$1.49 |
| 05200    | 43   | \$1.49 |
| 05210    | 44   | \$1.49 |
| 05220    | 45   | \$1.49 |
| 05230    | 46   | \$1.49 |
| 05240    | 47   | \$1.49 |
| 05250    | 48   | \$1.49 |
| 05260    | 49   | \$1.49 |
| 05270    | 50   | \$1.49 |
| 05280    | 51   | \$1.49 |
| 05290    | 52   | \$1.49 |

#### Carded Type 190

| Part No. | Size  | Price  | Part No. | Size  | Price   |
|----------|-------|--------|----------|-------|---------|
| 04497    | 1/16  | \$4.36 | 04647    | 19/64 | \$4.99  |
| 04507    | 5/64  | \$4.52 | 04657    | 5/16  | \$5.24  |
| 04517    | 3/32  | \$4.59 | 04667    | 21/64 | \$5.52  |
| 04527    | 7/64  | \$4.84 | 04677    | 11/32 | \$6.44  |
| 04537    | 1/8   | \$5.69 | 04687    | 23/64 | \$6.84  |
| 04547    | 9/64  | \$4.01 | 04697    | 3/8   | \$7.55  |
| 04557    | 5/32  | \$4.25 | 04707    | 25/64 | \$8.14  |
| 04567    | 11/64 | \$4.42 | 04717    | 13/32 | \$8.65  |
| 04577    | 3/16  | \$5.16 | 04727    | 27/64 | \$8.95  |
| 04587    | 13/64 | \$5.67 | 04737    | 7/16  | \$9.96  |
| 04597    | 7/32  | \$5.82 | 04747    | 29/64 | \$10.91 |
| 04607    | 15/64 | \$6.18 | 04757    | 15/32 | \$11.51 |
| 04617    | 1/4   | \$6.68 | 04767    | 31/64 | \$11.86 |
| 04627    | 17/64 | \$4.20 | 04777    | 1/2   | \$12.18 |
| 04637    | 9/32  | \$4.46 |          |       |         |

Continued Type 190 Sets/Displays on page 3.

## HSS Heavy-Duty NAS 907B

### Type 190 Sets/Displays

135° Split Point Jobber Length  
Heavy-Duty Black Oxide Black

| Part No. | Size  | Price    |
|----------|-------|----------|
| 43330    | A-10  | \$23.80  |
| 43320    | A-11  | \$40.96  |
| 43340    | A-13  | \$31.12  |
| 43350    | A-15  | \$87.06  |
| 43360    | A-21  | \$78.17  |
| 43370    | A-26  | \$157.15 |
| 43380    | A-29  | \$160.63 |
| 60590    | A-29P | \$165.62 |
| 43390    | A-60  | \$125.54 |
| 43420    | A-115 | \$477.15 |

| Part No. | Size   | Price   |
|----------|--------|---------|
| 44870    | PL-7A  | \$24.56 |
| 44880    | PL-10A | \$29.20 |
| 44890    | PL-13A | \$36.67 |
| 44900    | PL-14A | \$61.66 |

### 300 Piece Assortments

| Part No. | Size   | Price      |
|----------|--------|------------|
| 06520    | 300-HD | \$1,045.86 |

### Fractional Drills - 96 Piece Assortment

| Part No. | Size  | Price    |
|----------|-------|----------|
| 16010    | 96-HD | \$471.22 |

### Wire Gauge Drills - 249 Piece Assortment

| Part No. | Size   | Price    |
|----------|--------|----------|
| 16030    | 249-HD | \$512.14 |

### Letter Drills - 72 Piece Assortment

| Part No. | Size  | Price    |
|----------|-------|----------|
| 16020    | 72-HD | \$457.13 |

## Type 190-GF

Goldstrike™ 135° Split Point  
Premium 3-Flats on Shank with  
Flats, 3/16 & Larger Gold Surface Treated

Heavy-duty 135° split point drills perform well in very demanding applications. The flats on the shank give positive chuck grip. Drills are ideal for use with hand held drills with keyless chucks.



### Fractional

| Part No. | Size  | Price  |
|----------|-------|--------|
| 40490    | 1/16  | \$1.32 |
| 40500    | 5/64  | \$1.37 |
| 40510    | 3/32  | \$1.39 |
| 40520    | 7/64  | \$1.48 |
| 40530    | 1/8   | \$1.69 |
| 40540    | 9/64  | \$1.79 |
| 40550    | 5/32  | \$1.91 |
| 40560    | 11/64 | \$1.99 |
| 40561    | 3/16  | \$2.71 |
| 40562    | 13/64 | \$2.99 |
| 40563    | 7/32  | \$3.09 |
| 40564    | 15/64 | \$3.29 |
| 40569    | 1/4   | \$3.59 |
| 40571    | 17/64 | \$4.30 |
| 40572    | 9/32  | \$4.58 |
| 40573    | 19/64 | \$5.16 |
| 40574    | 5/16  | \$5.49 |
| 40579    | 21/64 | \$5.81 |
| 40581    | 11/32 | \$6.84 |
| 40582    | 23/64 | \$7.29 |
| 40583    | 3/8   | \$7.91 |

## Type 190-GF

Continued

Goldstrike™ 135° Split Point  
Premium 3-Flats on Shank with  
Flats, 3/16 & Larger Gold Surface Treated

### Fractional

| Part No. | Size  | Price   |
|----------|-------|---------|
| 40584    | 25/64 | \$8.62  |
| 40589    | 13/32 | \$9.09  |
| 40591    | 27/64 | \$9.51  |
| 40592    | 7/16  | \$10.68 |
| 40593    | 29/64 | \$11.76 |
| 40594    | 15/32 | \$12.50 |
| 40601    | 31/64 | \$12.86 |
| 40602    | 1/2   | \$13.24 |

## Type 190-GF Sets/Displays

Gold-Strike™ - 3-Flats on Shank  
3/16" and Larger

| Part No. | Size               | Price    |
|----------|--------------------|----------|
| 40611    | GF-13              | \$37.60  |
| 40612    | GF-15              | \$102.03 |
| 40613    | GF-21              | \$91.54  |
| 40604    | GF-29              | \$182.54 |
| 40614    | GF-29P (Ultra Dex) | \$187.85 |

### 300 Piece Assortments

| Part No. | Size   | Price      |
|----------|--------|------------|
| 40632    | 300-GF | \$1,198.94 |

## Type 190-GFR

135° Split Point 3/8" Reduced Shank  
with Flats - Gold Surface Treated



### Fractional

| Part No. | Size  | Price   |
|----------|-------|---------|
| 40633    | 25/64 | \$11.06 |
| 40634    | 13/32 | \$11.56 |
| 40639    | 27/64 | \$11.97 |
| 40621    | 7/16  | \$13.14 |
| 40622    | 29/64 | \$14.22 |
| 40623    | 15/32 | \$14.95 |
| 40624    | 31/64 | \$15.31 |
| 40629    | 1/2   | \$15.70 |

## Type 190-GFR Sets

135° Split Point 3/8" Reduced Shank  
with Flats - Gold Surface Treated

Same as Type 190-GF except with 3/8" reduced shanks.

| Part No. | Size    | Price    |
|----------|---------|----------|
| 40631    | GF-21RS | \$126.74 |
| 40641    | GF-29RS | \$201.86 |
| 40651    | GF29RSP | \$204.22 |

Jobber, screw & mechanics drills #97 thru 9/32 thru  
L = 12 per pack. 19/64 thru 1/2 & thru Z = 6 per  
pack. Over 1/2 = 1 per pack.

# Jobber Length Drills

## Goldstrike™, V-line

## Type 198

V-line - Heavy-Duty - Black Oxide  
135° Split Point

These 135° split point drills are self centering and perform well in harder metals. The heavy-duty construction makes this series of drills ideal for the medium to light tensile strength metal drilling applications.

American made value line drill.



### Fractional

| Part No. | Size  | Price   |
|----------|-------|---------|
| 02782    | 1/16  | \$1.33  |
| 02792    | 5/64  | \$1.39  |
| 02802    | 3/32  | \$1.41  |
| 02812    | 7/64  | \$1.35  |
| 02822    | 1/8   | \$1.53  |
| 02832    | 9/64  | \$1.64  |
| 02842    | 5/32  | \$1.74  |
| 02852    | 11/64 | \$1.80  |
| 02862    | 3/16  | \$2.15  |
| 02872    | 13/64 | \$2.37  |
| 02882    | 7/32  | \$2.44  |
| 02892    | 15/64 | \$2.62  |
| 02902    | 1/4   | \$2.84  |
| 02912    | 17/64 | \$3.38  |
| 02922    | 9/32  | \$3.59  |
| 02932    | 19/64 | \$4.03  |
| 02942    | 5/16  | \$4.29  |
| 02952    | 21/64 | \$4.54  |
| 02962    | 11/32 | \$5.36  |
| 02972    | 23/64 | \$5.70  |
| 02982    | 3/8   | \$6.19  |
| 02992    | 25/64 | \$6.73  |
| 03002    | 13/32 | \$7.13  |
| 03012    | 27/64 | \$7.45  |
| 03022    | 7/16  | \$8.36  |
| 03032    | 29/64 | \$9.21  |
| 03042    | 15/32 | \$9.78  |
| 03052    | 31/64 | \$10.07 |
| 03062    | 1/2   | \$10.36 |

## Type 198 Sets

V-line - Heavy-Duty - Black Oxide  
135° Split Point

| Part No. | Size  | Price    |
|----------|-------|----------|
| 06072    | SA-13 | \$28.80  |
| 06082    | SA-15 | \$80.73  |
| 06092    | SA-21 | \$72.97  |
| 06102    | SA-29 | \$147.82 |

# Cutting Tool Lubricant

## Type 11-AG

Ultra S/P™ Super Premium

Super concentrated no run formula. Clings to vertical surfaces for continual lubrication. Rich gold color and thick consistency gives a quality appearance not available with thin runny fluids. Virtually smoke free in even the most heat prone applications. Contains no ozone depleting substances. This fluid will extend tool life and yield a super smooth machined finish.



| Part No. | Size               | Price       |
|----------|--------------------|-------------|
| 96050    | 12 - 4 OZ.         | \$4.29 ea.  |
| 96060    | 48 - 4 OZ.         | \$4.10 ea.  |
| 96070    | 12 - 16 OZ.        | \$13.22 ea. |
| 96071    | Display/ 8 - 4 OZ. | \$34.75     |

# Jobber Length Drills

Price List

## General Purpose

### General Purpose Type 100

#### Bright Flute 118° Point High Speed Steel

118° point, high-speed steel drill performs well in a wide variety of drilling applications. Recommended for non-ferrous metals, wood and plastics.



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 02750      | 1/64  | \$4.85  |
| 02760      | 1/32  | \$2.15  |
| 02770      | 3/64  | \$1.46  |
| 02780      | 1/16  | \$1.20  |
| 02790      | 5/64  | \$1.20  |
| 02800      | 3/32  | \$1.20  |
| 02810      | 7/64  | \$1.22  |
| 02820      | 1/8   | \$1.32  |
| 02830      | 9/64  | \$1.47  |
| 02840      | 5/32  | \$1.52  |
| 02850      | 11/64 | \$1.68  |
| 02860      | 3/16  | \$1.94  |
| 02870      | 13/64 | \$2.14  |
| 02880      | 7/32  | \$2.36  |
| 02890      | 15/64 | \$2.54  |
| 02900      | 1/4   | \$2.85  |
| 02910      | 17/64 | \$3.53  |
| 02920      | 9/32  | \$3.92  |
| 02930      | 19/64 | \$4.29  |
| 02940      | 5/16  | \$4.40  |
| 02950      | 21/64 | \$4.85  |
| 02960      | 11/32 | \$5.62  |
| 02970      | 23/64 | \$6.21  |
| 02980      | 3/8   | \$6.40  |
| 02990      | 25/64 | \$7.16  |
| 03000      | 13/32 | \$7.32  |
| 03010      | 27/64 | \$8.09  |
| 03020      | 7/16  | \$8.70  |
| 03030      | 29/64 | \$10.09 |
| 03040      | 15/32 | \$10.24 |
| 03050      | 31/64 | \$10.69 |
| 03060      | 1/2   | \$10.84 |
| 48370      | 33/64 | \$21.60 |
| 48380      | 17/32 | \$22.61 |
| 48390      | 35/64 | \$24.45 |
| 48400      | 9/16  | \$25.62 |
| 48410      | 37/64 | \$25.71 |
| 48420      | 19/32 | \$26.38 |
| 48430      | 39/64 | \$28.98 |
| 48440      | 5/8   | \$28.30 |
| 48450      | 41/64 | \$29.96 |
| 48460      | 21/32 | \$29.93 |
| 48470      | 43/64 | \$35.18 |
| 48480      | 11/16 | \$34.37 |
| 48730      | 3/4   | \$38.51 |

| Letter   |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 04160    | A    | \$2.85 |
| 04170    | B    | \$2.85 |
| 04180    | C    | \$2.78 |
| 04190    | D    | \$2.78 |
| 04200    | E    | \$2.85 |
| 04210    | F    | \$3.37 |
| 04220    | G    | \$3.61 |
| 04230    | H    | \$3.68 |
| 04240    | I    | \$3.68 |
| 04250    | J    | \$4.15 |
| 04260    | K    | \$4.15 |
| 04270    | L    | \$4.60 |
| 04280    | M    | \$4.85 |
| 04290    | N    | \$4.85 |
| 04300    | O    | \$4.89 |
| 04310    | P    | \$5.32 |
| 04320    | Q    | \$5.45 |
| 04330    | R    | \$5.69 |
| 04340    | S    | \$6.54 |
| 04350    | T    | \$6.54 |
| 04360    | U    | \$6.62 |
| 04370    | V    | \$6.70 |
| 04380    | W    | \$7.45 |
| 04390    | X    | \$8.54 |
| 04400    | Y    | \$8.93 |
| 04410    | Z    | \$9.93 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 03190    | 1    | \$2.78 |
| 03200    | 2    | \$2.78 |
| 03210    | 3    | \$2.78 |
| 03220    | 4    | \$2.78 |
| 03230    | 5    | \$2.78 |
| 03240    | 6    | \$2.78 |
| 03250    | 7    | \$2.05 |
| 03260    | 8    | \$2.05 |
| 03270    | 9    | \$2.25 |
| 03280    | 10   | \$2.25 |
| 03290    | 11   | \$2.25 |
| 03300    | 12   | \$2.25 |
| 03310    | 13   | \$1.99 |
| 03320    | 14   | \$1.99 |
| 03330    | 15   | \$1.99 |
| 03340    | 16   | \$1.99 |
| 03350    | 17   | \$1.99 |
| 03360    | 18   | \$1.78 |
| 03370    | 19   | \$1.78 |
| 03380    | 20   | \$1.78 |
| 03390    | 21   | \$1.62 |
| 03400    | 22   | \$1.62 |
| 03410    | 23   | \$1.62 |
| 03420    | 24   | \$1.62 |
| 03430    | 25   | \$1.47 |
| 03440    | 26   | \$1.47 |
| 03450    | 27   | \$1.47 |
| 03460    | 28   | \$1.47 |
| 03470    | 29   | \$1.47 |
| 03480    | 30   | \$1.47 |
| 03490    | 31   | \$1.37 |
| 03500    | 32   | \$1.37 |
| 03510    | 33   | \$1.37 |
| 03520    | 34   | \$1.37 |
| 03530    | 35   | \$1.32 |
| 03540    | 36   | \$1.32 |
| 03550    | 37   | \$1.32 |
| 03560    | 38   | \$1.32 |
| 03570    | 39   | \$1.32 |
| 03580    | 40   | \$1.32 |
| 03590    | 41   | \$1.32 |
| 03600    | 42   | \$1.34 |
| 03610    | 43   | \$1.34 |
| 03620    | 44   | \$1.34 |
| 03630    | 45   | \$1.34 |
| 03640    | 46   | \$1.34 |
| 03650    | 47   | \$1.34 |
| 03660    | 48   | \$1.34 |
| 03670    | 49   | \$1.34 |
| 03680    | 50   | \$1.34 |
| 03690    | 51   | \$1.34 |
| 03700    | 52   | \$1.34 |
| 03710    | 53   | \$1.46 |
| 03720    | 54   | \$1.46 |
| 03730    | 55   | \$1.46 |
| 03740    | 56   | \$1.46 |
| 03750    | 57   | \$1.48 |
| 03760    | 58   | \$1.48 |
| 03770    | 59   | \$1.48 |
| 03780    | 60   | \$1.48 |
| 03790    | 61   | \$1.90 |
| 03800    | 62   | \$1.90 |
| 03810    | 63   | \$1.90 |
| 03820    | 64   | \$1.90 |
| 03830    | 65   | \$1.90 |
| 03840    | 66   | \$1.90 |
| 03850    | 67   | \$1.90 |
| 03860    | 68   | \$2.31 |
| 03870    | 69   | \$2.44 |
| 03880    | 70   | \$2.44 |
| 03890    | 71   | \$3.06 |
| 03900    | 72   | \$3.06 |
| 03910    | 73   | \$3.06 |
| 03920    | 74   | \$3.06 |
| 03930    | 75   | \$3.06 |
| 03940    | 76   | \$3.06 |
| 03950    | 77   | \$3.06 |
| 03960    | 78   | \$3.06 |

| Wire     |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 03970    | 79   | \$3.77  |
| 03980    | 80   | \$3.77  |
| 03990    | 81   | \$8.29  |
| 04000    | 82   | \$8.29  |
| 04010    | 83   | \$9.08  |
| 04020    | 84   | \$9.08  |
| 04030    | 85   | \$9.08  |
| 04040    | 86   | \$10.51 |
| 04050    | 87   | \$10.51 |
| 04060    | 88   | \$13.37 |
| 04070    | 89   | \$13.37 |
| 04080    | 90   | \$13.37 |
| 04090    | 91   | \$13.37 |
| 04100    | 92   | \$13.37 |
| 04110    | 93   | \$13.37 |
| 04120    | 94   | \$16.46 |
| 04130    | 95   | \$16.46 |
| 04140    | 96   | \$18.35 |
| 04150    | 97   | \$30.58 |

| Carded   |       |        | Type 100 |       |         |
|----------|-------|--------|----------|-------|---------|
| Part No. | Size  | Price  | Part No. | Size  | Price   |
| 02787    | 1/16  | \$3.84 | 02927    | 9/32  | \$4.36  |
| 02797    | 5/64  | \$3.84 | 02937    | 19/64 | \$4.72  |
| 02807    | 3/32  | \$3.84 | 02947    | 5/16  | \$4.98  |
| 02817    | 7/64  | \$4.09 | 02957    | 21/64 | \$5.28  |
| 02827    | 1/8   | \$4.36 | 02967    | 11/32 | \$6.20  |
| 02837    | 9/64  | \$3.38 | 02977    | 23/64 | \$6.84  |
| 02847    | 5/32  | \$3.48 | 02987    | 3/8   | \$6.99  |
| 02857    | 11/64 | \$3.80 | 02997    | 25/64 | \$7.78  |
| 02867    | 3/16  | \$4.30 | 03007    | 13/32 | \$7.93  |
| 02877    | 13/64 | \$4.71 | 03017    | 27/64 | \$8.71  |
| 02887    | 7/32  | \$5.19 | 03027    | 7/16  | \$9.31  |
| 02897    | 15/64 | \$5.51 | 03037    | 29/64 | \$10.80 |
| 02907    | 1/4   | \$6.14 | 03047    | 15/32 | \$10.95 |
| 02917    | 17/64 | \$3.94 | 03057    | 31/64 | \$11.41 |
|          |       |        | 03067    | 1/2   | \$11.58 |

### Type 100 Sets

#### General Purpose - Bright Flute 118° Point - High-Speed Steel

| Part No. | Size  | Price    |
|----------|-------|----------|
| 43400    | J-10  | \$20.64  |
| 43410    | J-11  | \$42.13  |
| 43430    | J-13  | \$29.20  |
| 43450    | J-15  | \$80.82  |
| 43460    | J-20  | \$50.26  |
| 43480    | J-21  | \$71.84  |
| 43500    | J-26  | \$148.62 |
| 43520    | J-29  | \$149.70 |
| 43540    | J-60  | \$105.88 |
| 43550    | J-115 | \$438.71 |
| 43570    | TRI-1 | \$27.58  |

### Type 100 Sets/Displays

| Bright   |       |         |
|----------|-------|---------|
| Part No. | Size  | Price   |
| 44260    | PL-7  | \$15.04 |
| 44270    | PL-10 | \$20.20 |
| 44280    | PL-13 | \$25.73 |
| 44290    | PL-14 | \$52.45 |

| 300 Piece Assortments |        |          |
|-----------------------|--------|----------|
| Part No.              | Size   | Price    |
| 54720                 | 300-BR | \$976.41 |

| Fractional Drills - 96 Piece Assortment |       |          |
|-----------------------------------------|-------|----------|
| Part No.                                | Size  | Price    |
| 54690                                   | 96-BR | \$454.00 |

| Wire Gauge Drills - 249 Piece Assortment |        |          |
|------------------------------------------|--------|----------|
| Part No.                                 | Size   | Price    |
| 54700                                    | 249-BR | \$477.17 |

| Letter Drills - 72 Piece Assortment |       |          |
|-------------------------------------|-------|----------|
| Part No.                            | Size  | Price    |
| 54710                               | 72-BR | \$454.00 |

### 1/4" Reduced Shank

#### Type 120

#### 118° Point - General Purpose Bright Finish - Shorter than Jobber Length

118° point high-speed-steel drill is designed for use in portable air and electric drilling equipment with 1/4" chucks. The shorter than jobber length greatly increases rigidity and improves drilling performance.



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 28800      | 17/64 | \$4.29  |
| 28810      | 9/32  | \$4.29  |
| 28820      | 19/64 | \$5.09  |
| 28830      | 5/16  | \$5.09  |
| 28840      | 21/64 | \$6.06  |
| 28850      | 11/32 | \$6.06  |
| 28860      | 23/64 | \$7.03  |
| 28870      | 3/8   | \$7.03  |
| 28880      | 25/64 | \$8.31  |
| 28890      | 13/32 | \$8.31  |
| 28900      | 27/64 | \$9.46  |
| 28910      | 7/16  | \$9.46  |
| 28920      | 29/64 | \$11.05 |
| 28930      | 15/32 | \$11.05 |
| 28940      | 31/64 | \$11.87 |
| 28950      | 1/2   | \$11.87 |

| Carded   |       |        | Type 120 |       |         |
|----------|-------|--------|----------|-------|---------|
| Part No. | Size  | Price  | Part No. | Size  | Price   |
| 28807    | 17/64 | \$4.68 | 28887    | 25/64 | \$8.90  |
| 28817    | 9/32  | \$4.68 | 28897    | 13/32 | \$8.90  |
| 28827    | 19/64 | \$5.50 | 28907    | 27/64 | \$10.04 |
| 28837    | 5/16  | \$5.50 | 28917    | 7/16  | \$10.04 |
| 28847    | 21/64 | \$6.63 | 28927    | 29/64 | \$11.73 |
| 28857    | 11/32 | \$6.63 | 28937    | 15/32 | \$11.73 |
| 28867    | 23/64 | \$7.62 | 28947    | 31/64 | \$12.56 |
| 28877    | 3/8   | \$7.62 | 28957    | 1/2   | \$12.56 |

#### Type 120 Sets

#### 1/4" Shank - General Purpose 118° Point - Bright Finish - Shorter than Jobber Length

| Part No. | Size  | Price    |
|----------|-------|----------|
| 43580    | Q-15  | \$86.06  |
| 43620    | Q-29  | \$162.35 |
| 47080    | DC-4N | \$34.08  |
| 47090    | DC-5N | \$37.04  |

### 3/8" Reduced Shank

#### Type 128

#### 118° Point General Purpose - Bright Finish High-Speed Steel

This general purpose 118° point high-speed steel drill is designed for use in portable air or electric drilling equipment with 3/8" chucks. Note: Surface treated flutes on sizes larger than 1/2".



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 59570      | 25/64 | \$10.89 |
| 59580      | 13/32 | \$10.03 |
| 59590      | 27/64 | \$11.30 |
| 59600      | 29/64 | \$12.02 |
| 59610      | 31/64 | \$13.68 |
| 59500      | 7/16  | \$10.22 |
| 59510      | 15/32 | \$11.53 |
| 59520      | 1/2   | \$12.97 |
| 59530      | 17/32 | \$26.58 |
| 59540      | 9/16  | \$27.62 |
| 59550      | 19/32 | \$30.03 |
| 59560      | 5/8   | \$30.24 |

| Carded   |       |         | Type 128 |       |         |
|----------|-------|---------|----------|-------|---------|
| Part No. | Size  | Price   | Part No. | Size  | Price   |
| 59577    | 25/64 | \$11.54 | 59607    | 29/64 | \$12.71 |
| 59587    | 13/32 | \$10.66 | 59517    | 15/32 | \$12.23 |
| 59597    | 27/64 | \$11.94 | 59617    | 31/64 | \$14.47 |
| 59507    | 7/16  | \$10.92 | 59527    | 1/2   | \$13.76 |

#### Type 128 Sets

#### 3/8" Shank - Bright Finish General Purpose 118° Point Bright Finish High-Speed Steel

| Part No. | Size  | Price    |
|----------|-------|----------|
| 44540    | R-15  | \$92.06  |
| 44530    | R-29  | \$165.80 |
| 44550    | R-29P | \$171.12 |
| 44520    | R-115 | \$455.79 |

### Type 115

#### 118° Point - High Speed Steel General Purpose - Black Oxide

This 118° point, high-speed steel drill performs well in a wide variety of ferrous metal drilling applications. The black surface treatment prevents chip welding and increases abrasion resistance.



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 01000      | 1/64  | \$4.85  |
| 01010      | 1/32  | \$2.15  |
| 01020      | 3/64  | \$1.46  |
| 01030      | 1/16  | \$1.20  |
| 01040      | 5/64  | \$1.20  |
| 01050      | 3/32  | \$1.20  |
| 01060      | 7/64  | \$1.22  |
| 01070      | 1/8   | \$1.32  |
| 01080      | 9/64  | \$1.47  |
| 01090      | 5/32  | \$1.52  |
| 01100      | 11/64 | \$1.68  |
| 01110      | 3/16  | \$1.94  |
| 01120      | 13/64 | \$2.14  |
| 01130      | 7/32  | \$2.36  |
| 01140      | 15/64 | \$2.54  |
| 01150      | 1/4   | \$2.85  |
| 01160      | 17/64 | \$3.53  |
| 01170      | 9/32  | \$3.92  |
| 01180      | 19/64 | \$4.29  |
| 01190      | 5/16  | \$4.40  |
| 01200      | 21/64 | \$4.85  |
| 01210      | 11/32 | \$5.62  |
| 01220      | 23/64 | \$6.21  |
| 01230      | 3/8   | \$6.40  |
| 01240      | 25/64 | \$7.16  |
| 01250      | 13/32 | \$7.32  |
| 01260      | 27/64 | \$8.09  |
| 01270      | 7/16  | \$8.70  |
| 01280      | 29/64 | \$10.09 |
| 01290      | 15/32 | \$10.24 |
| 01300      | 31/64 | \$10.69 |
| 01310      | 1/2   | \$10.84 |
| 01320      | 33/64 | \$21.60 |
| 01330      | 17/32 | \$22.61 |
| 01340      | 35/64 | \$24.45 |
| 01350      | 9/16  | \$25.62 |
| 01360      | 37/64 | \$25.71 |
| 01370      | 19/32 | \$26.38 |
| 01380      | 39/64 | \$28.98 |
| 01390      | 5/8   | \$28.30 |
| 01400      | 41/64 | \$29.96 |
| 01410      | 21/32 | \$29.93 |
| 01420      | 43/64 | \$35.18 |
| 01430      | 11/16 | \$34.37 |
| 12370      | 3/4   | \$38.51 |

| Letter   |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 02410    | A    | \$2.85 |
| 02420    | B    | \$2.85 |
| 02430    | C    | \$2.78 |
| 02440    | D    | \$2.78 |
| 02450    | E    | \$2.85 |
| 02460    | F    | \$3.37 |
| 02470    | G    | \$3.61 |
| 02480    | H    | \$3.68 |
| 02490    | I    | \$3.68 |
| 02500    | J    | \$4.15 |
| 02510    | K    | \$4.15 |
| 02520    | L    | \$4.60 |
| 02530    | M    | \$4.85 |
| 02540    | N    | \$4.85 |
| 02550    | O    | \$4.89 |
| 02560    | P    | \$5.32 |

Continued Type 115 - Letter on page 6.

Proudly Manufactured in the U.S.A.

## General Purpose, V- line

### Type 115

118° Point - HSS

General Purpose - Black Oxide

| Letter   |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 02570    | Q    | \$5.45 |
| 02580    | R    | \$5.69 |
| 02590    | S    | \$6.54 |
| 02600    | T    | \$6.54 |
| 02610    | U    | \$6.62 |
| 02620    | V    | \$6.70 |
| 02630    | W    | \$7.45 |
| 02640    | X    | \$8.54 |
| 02650    | Y    | \$8.93 |
| 02660    | Z    | \$9.93 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 01440    | 1    | \$2.78 |
| 01450    | 2    | \$2.78 |
| 01460    | 3    | \$2.78 |
| 01470    | 4    | \$2.78 |
| 01480    | 5    | \$2.78 |
| 01490    | 6    | \$2.78 |
| 01500    | 7    | \$2.05 |
| 01510    | 8    | \$2.05 |
| 01520    | 9    | \$2.25 |
| 01530    | 10   | \$2.25 |
| 01540    | 11   | \$2.25 |
| 01550    | 12   | \$2.25 |
| 01560    | 13   | \$1.99 |
| 01570    | 14   | \$1.99 |
| 01580    | 15   | \$1.99 |
| 01590    | 16   | \$1.99 |
| 01600    | 17   | \$1.99 |
| 01610    | 18   | \$1.78 |
| 01620    | 19   | \$1.78 |
| 01630    | 20   | \$1.78 |
| 01640    | 21   | \$1.62 |
| 01650    | 22   | \$1.62 |
| 01660    | 23   | \$1.62 |
| 01670    | 24   | \$1.62 |
| 01680    | 25   | \$1.47 |
| 01690    | 26   | \$1.47 |
| 01700    | 27   | \$1.47 |
| 01710    | 28   | \$1.47 |
| 01720    | 29   | \$1.47 |
| 01730    | 30   | \$1.47 |
| 01740    | 31   | \$1.37 |
| 01750    | 32   | \$1.37 |
| 01760    | 33   | \$1.37 |
| 01770    | 34   | \$1.37 |
| 01780    | 35   | \$1.32 |
| 01790    | 36   | \$1.32 |
| 01800    | 37   | \$1.32 |
| 01810    | 38   | \$1.32 |
| 01820    | 39   | \$1.32 |
| 01830    | 40   | \$1.32 |
| 01840    | 41   | \$1.32 |
| 01850    | 42   | \$1.34 |
| 01860    | 43   | \$1.34 |
| 01870    | 44   | \$1.34 |
| 01880    | 45   | \$1.34 |
| 01890    | 46   | \$1.34 |
| 01900    | 47   | \$1.34 |
| 01910    | 48   | \$1.34 |
| 01920    | 49   | \$1.34 |
| 01930    | 50   | \$1.34 |
| 01940    | 51   | \$1.34 |

| Wire (continued) |      |        |
|------------------|------|--------|
| Part No.         | Size | Price  |
| 01950            | 52   | \$1.34 |
| 01960            | 53   | \$1.46 |
| 01970            | 54   | \$1.46 |
| 01980            | 55   | \$1.46 |
| 01990            | 56   | \$1.46 |
| 02000            | 57   | \$1.48 |
| 02010            | 58   | \$1.48 |
| 02020            | 59   | \$1.48 |
| 02030            | 60   | \$1.48 |
| 02040            | 61   | \$1.90 |
| 02050            | 62   | \$1.90 |
| 02060            | 63   | \$1.90 |
| 02070            | 64   | \$1.90 |
| 02080            | 65   | \$1.90 |
| 02090            | 66   | \$1.90 |
| 02100            | 67   | \$1.90 |
| 02110            | 68   | \$2.31 |
| 02120            | 69   | \$2.44 |
| 02130            | 70   | \$2.44 |
| 02140            | 71   | \$3.06 |
| 02150            | 72   | \$3.06 |
| 02160            | 73   | \$3.06 |
| 02170            | 74   | \$3.06 |
| 02180            | 75   | \$3.06 |
| 02190            | 76   | \$3.06 |
| 02200            | 77   | \$3.06 |
| 02210            | 78   | \$3.06 |
| 02220            | 79   | \$3.77 |
| 02230            | 80   | \$3.77 |

| Carded   |       |        | Type 115 |       |         |
|----------|-------|--------|----------|-------|---------|
| Part No. | Size  | Price  | Part No. | Size  | Price   |
| 01037    | 1/16  | \$3.84 | 01177    | 9/32  | \$4.36  |
| 01047    | 5/64  | \$3.84 | 01187    | 19/64 | \$4.72  |
| 01057    | 3/32  | \$3.84 | 01197    | 5/16  | \$4.98  |
| 01067    | 7/64  | \$4.09 | 01207    | 21/64 | \$5.28  |
| 01077    | 1/8   | \$4.36 | 01217    | 11/32 | \$6.20  |
| 01087    | 9/64  | \$3.38 | 01227    | 23/64 | \$6.84  |
| 01097    | 5/32  | \$3.48 | 01237    | 3/8   | \$6.99  |
| 01107    | 11/64 | \$3.80 | 01247    | 25/64 | \$7.78  |
| 01117    | 3/16  | \$4.30 | 01257    | 13/32 | \$7.93  |
| 01127    | 13/64 | \$4.71 | 01267    | 27/64 | \$8.71  |
| 01137    | 7/32  | \$5.19 | 01277    | 7/16  | \$9.31  |
| 01147    | 15/64 | \$5.51 | 01287    | 29/64 | \$10.80 |
| 01157    | 1/4   | \$6.14 | 01297    | 15/32 | \$10.95 |
| 01167    | 17/64 | \$3.94 | 01307    | 31/64 | \$11.41 |
|          |       |        | 01317    | 1/2   | \$11.58 |

### Type 115 Sets/Displays

Black Oxide - General Purpose

| Part No. | Size  | Price    |
|----------|-------|----------|
| 42000    | B-10  | \$20.64  |
| 42010    | B-11  | \$42.13  |
| 42020    | B-13  | \$29.20  |
| 42030    | B-15  | \$80.82  |
| 42040    | B-20  | \$50.26  |
| 42050    | B-21  | \$71.84  |
| 42060    | B-26  | \$148.62 |
| 42070    | B-29  | \$149.70 |
| 42080    | B-60  | \$105.88 |
| 43300    | B-80  | \$250.31 |
| 43310    | B-114 | \$443.76 |
| 43440    | B-115 | \$438.71 |

Continued on the next Column

### Type 115 Sets/Displays

Black Oxide - General Purpose

| 300 Piece Assortments                    |        |          |
|------------------------------------------|--------|----------|
| Part No.                                 | Size   | Price    |
| 54750                                    | 300-BL | \$976.41 |
| Fractional Drills - 96 Piece Assortment  |        |          |
| Part No.                                 | Size   | Price    |
| 54760                                    | 96-BL  | \$454.00 |
| Wire Gauge Drills - 249 Piece Assortment |        |          |
| Part No.                                 | Size   | Price    |
| 54770                                    | 249-BL | \$477.17 |
| Letter Drills - 72 Piece Assortment      |        |          |
| Part No.                                 | Size   | Price    |
| 54780                                    | 72-BL  | \$454.00 |

### Type 118

V-line - 118° Point

General Purpose - Black Oxide

These general purpose drills are ideal for a wide variety of light tensile strength metal drilling applications. This series is designed for the user whose applications are well served without the need for the tighter tolerances of our standard Type 115.

American made value line drill.



| Fractional |       |        |
|------------|-------|--------|
| Part No.   | Size  | Price  |
| 02783      | 1/16  | \$1.21 |
| 02793      | 5/64  | \$1.21 |
| 02803      | 3/32  | \$1.21 |
| 02813      | 7/64  | \$1.13 |
| 02823      | 1/8   | \$1.19 |
| 02833      | 9/64  | \$1.34 |
| 02843      | 5/32  | \$1.40 |
| 02853      | 11/64 | \$1.52 |
| 02863      | 3/16  | \$1.76 |
| 02873      | 13/64 | \$1.95 |
| 02883      | 7/32  | \$2.16 |
| 02893      | 15/64 | \$2.30 |
| 02903      | 1/4   | \$2.59 |
| 02913      | 17/64 | \$3.18 |
| 02923      | 9/32  | \$3.52 |
| 02933      | 19/64 | \$3.87 |
| 02943      | 5/16  | \$3.95 |
| 02953      | 21/64 | \$4.38 |
| 02963      | 11/32 | \$5.08 |
| 02973      | 23/64 | \$5.59 |
| 02983      | 3/8   | \$5.76 |
| 02993      | 25/64 | \$6.44 |
| 03003      | 13/32 | \$6.57 |
| 03013      | 27/64 | \$7.29 |
| 03023      | 7/16  | \$7.83 |
| 03033      | 29/64 | \$9.07 |
| 03043      | 15/32 | \$9.22 |
| 03053      | 31/64 | \$9.63 |
| 03063      | 1/2   | \$9.76 |

### Type 118 Sets

Black Oxide - General Purpose

| Part No. | Size  | Price    |
|----------|-------|----------|
| 06073    | SJ-13 | \$26.71  |
| 06083    | SJ-15 | \$74.42  |
| 06093    | SJ-21 | \$67.39  |
| 06103    | SJ-29 | \$135.64 |

Proudly Manufactured in the U.S.A.

Order: 1-800-328-4655

### Automotive Series Tang Drive Type 230

#### General Purpose -118° Point Black Oxide

This is a standard jobber length drill with a tang for use with A.S.A. split sleeve drill drivers.



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 13300      | 1/8   | \$1.87  |
| 13360      | 9/64  | \$1.87  |
| 13400      | 5/32  | \$2.15  |
| 13440      | 11/64 | \$2.49  |
| 13490      | 3/16  | \$2.78  |
| 13540      | 13/64 | \$3.17  |
| 13570      | 7/32  | \$3.48  |
| 13600      | 15/64 | \$3.69  |
| 13630      | 1/4   | \$4.00  |
| 13670      | 17/64 | \$4.80  |
| 13700      | 9/32  | \$5.32  |
| 13730      | 19/64 | \$5.68  |
| 13760      | 5/16  | \$6.14  |
| 13790      | 21/64 | \$6.77  |
| 13820      | 11/32 | \$7.16  |
| 13850      | 23/64 | \$8.04  |
| 13870      | 3/8   | \$8.52  |
| 13890      | 25/64 | \$9.43  |
| 13910      | 13/32 | \$9.83  |
| 13920      | 27/64 | \$11.09 |
| 13930      | 7/16  | \$11.58 |
| 13940      | 29/64 | \$13.29 |
| 13950      | 15/32 | \$14.10 |
| 13960      | 31/64 | \$14.83 |
| 13970      | 1/2   | \$14.83 |
| 13980      | 33/64 | \$25.16 |
| 13990      | 17/32 | \$26.47 |
| 14000      | 35/64 | \$28.88 |
| 14010      | 9/16  | \$30.73 |
| 14020      | 37/64 | \$31.12 |
| 14030      | 19/32 | \$31.12 |
| 14040      | 39/64 | \$33.83 |
| 14050      | 5/8   | \$33.83 |
| 14060      | 41/64 | \$35.72 |
| 14070      | 21/32 | \$35.72 |
| 14080      | 43/64 | \$41.26 |
| 14090      | 11/16 | \$41.26 |

### Cutting Tool Lubricant Type 11-AG

#### Ultra S/P™ Super Premium

Super concentrated no run formula. Clings to vertical surfaces for continual lubrication. Rich gold color and thick consistency gives a quality appearance not available with thin runny fluids. Virtually smoke free in even the most heat prone applications. Contains no ozone depleting substances.

This fluid will extend tool life and yield a super smooth machined finish.



| Part No. | Size               | Price       |
|----------|--------------------|-------------|
| 96050    | 12 - 4 OZ.         | \$4.29 ea.  |
| 96060    | 48 - 4 OZ.         | \$4.10 ea.  |
| 96070    | 12 - 16 OZ.        | \$13.22 ea. |
| 96071    | Display/ 8 - 4 OZ. | \$34.75     |

### High Helix Fast Spiral Type 240-F

#### Bright Finish 118° Point - High-Speed Steel

This 118° point, high-speed steel drill performs well in deep hole drilling of low tensile strength material such as aluminum, zinc, copper, wood, refrigeration die castings, auto hardware, slate & epoxy based plastics. Also use to drill free machining steels, brasses & bronzes.



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 06550      | 1/32  | \$4.25  |
| 06560      | 3/64  | \$3.85  |
| 06570      | 1/16  | \$3.85  |
| 06580      | 5/64  | \$3.85  |
| 06590      | 3/32  | \$1.78  |
| 06600      | 7/64  | \$1.78  |
| 06610      | 1/8   | \$1.78  |
| 06620      | 9/64  | \$1.78  |
| 06630      | 5/32  | \$1.94  |
| 06640      | 11/64 | \$2.28  |
| 06650      | 3/16  | \$2.64  |
| 06660      | 13/64 | \$2.85  |
| 06670      | 7/32  | \$3.28  |
| 06680      | 15/64 | \$3.46  |
| 06690      | 1/4   | \$3.59  |
| 06700      | 17/64 | \$4.53  |
| 06710      | 9/32  | \$4.85  |
| 06720      | 19/64 | \$5.24  |
| 06730      | 5/16  | \$5.78  |
| 06740      | 21/64 | \$6.29  |
| 06750      | 11/32 | \$7.10  |
| 06760      | 23/64 | \$8.30  |
| 06770      | 3/8   | \$8.68  |
| 06780      | 25/64 | \$9.76  |
| 06790      | 13/32 | \$10.14 |
| 06800      | 27/64 | \$11.40 |
| 06810      | 7/16  | \$12.00 |
| 06820      | 29/64 | \$12.30 |
| 06830      | 15/32 | \$13.17 |
| 06840      | 31/64 | \$13.94 |
| 06850      | 1/2   | \$13.94 |

| Letter   |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 07660    | A    | \$3.84  |
| 07670    | B    | \$3.84  |
| 07680    | C    | \$3.84  |
| 07690    | D    | \$3.84  |
| 07700    | E    | \$3.59  |
| 07710    | F    | \$4.36  |
| 07720    | G    | \$4.66  |
| 07730    | H    | \$4.66  |
| 07740    | I    | \$4.66  |
| 07750    | J    | \$5.01  |
| 07760    | K    | \$5.41  |
| 07770    | L    | \$5.39  |
| 07780    | M    | \$5.78  |
| 07790    | N    | \$5.78  |
| 07800    | O    | \$5.78  |
| 07810    | P    | \$6.64  |
| 07820    | Q    | \$6.64  |
| 07830    | R    | \$7.47  |
| 07840    | S    | \$7.47  |
| 07850    | T    | \$8.59  |
| 07860    | U    | \$8.59  |
| 07870    | V    | \$9.27  |
| 07880    | W    | \$10.01 |
| 07890    | X    | \$10.88 |
| 07900    | Y    | \$12.65 |
| 07910    | Z    | \$13.07 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 06860    | 1    | \$3.61 |
| 06870    | 2    | \$3.61 |
| 06880    | 3    | \$3.46 |
| 06890    | 4    | \$3.46 |
| 06900    | 5    | \$3.46 |
| 06910    | 6    | \$3.46 |
| 06920    | 7    | \$2.92 |
| 06930    | 8    | \$2.92 |
| 06940    | 9    | \$2.92 |
| 06950    | 10   | \$2.92 |
| 06960    | 11   | \$2.77 |
| 06970    | 12   | \$2.77 |
| 06980    | 13   | \$2.64 |
| 06990    | 14   | \$2.64 |
| 07000    | 15   | \$2.64 |
| 07010    | 16   | \$2.64 |
| 07020    | 17   | \$2.64 |
| 07030    | 18   | \$2.28 |
| 07040    | 19   | \$2.28 |
| 07050    | 20   | \$2.28 |
| 07060    | 21   | \$2.05 |
| 07070    | 22   | \$2.05 |
| 07080    | 23   | \$1.94 |
| 07090    | 24   | \$1.90 |
| 07100    | 25   | \$1.87 |
| 07110    | 26   | \$1.87 |
| 07120    | 27   | \$1.87 |
| 07130    | 28   | \$1.78 |
| 07140    | 29   | \$1.78 |
| 07150    | 30   | \$1.78 |
| 07160    | 31   | \$1.78 |
| 07170    | 32   | \$1.78 |
| 07180    | 33   | \$1.78 |
| 07190    | 34   | \$1.78 |
| 07200    | 35   | \$1.78 |
| 07210    | 36   | \$1.78 |
| 07220    | 37   | \$1.78 |
| 07230    | 38   | \$1.78 |
| 07240    | 39   | \$1.78 |
| 07250    | 40   | \$1.78 |
| 07260    | 41   | \$1.78 |
| 07270    | 42   | \$3.42 |
| 07280    | 43   | \$4.45 |
| 07290    | 44   | \$4.45 |
| 07300    | 45   | \$4.45 |
| 07310    | 46   | \$4.45 |
| 07320    | 47   | \$4.45 |
| 07330    | 48   | \$4.45 |
| 07340    | 49   | \$4.45 |
| 07350    | 50   | \$4.45 |
| 07360    | 51   | \$4.45 |
| 07370    | 52   | \$4.45 |
| 07380    | 53   | \$4.45 |
| 07390    | 54   | \$4.45 |
| 07400    | 55   | \$4.45 |
| 07410    | 56   | \$4.45 |
| 07420    | 57   | \$4.45 |
| 07430    | 58   | \$4.45 |
| 07440    | 59   | \$4.45 |
| 07450    | 60   | \$4.45 |

**Proudly Manufactured in the U.S.A.**  
**Order : 1-800-328-4655**

Jobber, screw & mechanics drills #97 thru 9/32 thru L = 12 per pack. 19/64 thru 1/2 & thru Z = 6 per pack. Over 1/2 = 1 per pack.

Metric jobber drill thru 7.4mm = 10 per pack, thru 13mm = 5 per pack, over 13mm = 1 per pack.

## Heavy-Duty, TiN Coated

### Parabolic Flute Type 190-P

#### Heavy-Duty - 135° Split Point - Black Oxide

Parabolic flute drills are designed to allow deep hole drilling without frequent drill removal to clear chips. These drills perform best in low to medium tensile strength materials. The split point and heavy-duty design provides superior performance by permitting higher feed rates and continuous drilling of deep holes.



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 36800      | 1/16  | \$2.01  |
| 36810      | 5/64  | \$2.01  |
| 36820      | 3/32  | \$1.87  |
| 36830      | 7/64  | \$1.98  |
| 36840      | 1/8   | \$2.04  |
| 36850      | 9/64  | \$2.06  |
| 36860      | 5/32  | \$2.16  |
| 36870      | 11/64 | \$2.24  |
| 36880      | 3/16  | \$2.68  |
| 36890      | 13/64 | \$2.98  |
| 36900      | 7/32  | \$3.18  |
| 36910      | 15/64 | \$3.41  |
| 36920      | 1/4   | \$3.68  |
| 36930      | 17/64 | \$4.57  |
| 36940      | 9/32  | \$4.67  |
| 36950      | 19/64 | \$5.31  |
| 36960      | 5/16  | \$5.67  |
| 36970      | 21/64 | \$6.39  |
| 36980      | 11/32 | \$7.20  |
| 36990      | 23/64 | \$7.98  |
| 37000      | 3/8   | \$8.36  |
| 37010      | 25/64 | \$9.42  |
| 37020      | 13/32 | \$9.74  |
| 37030      | 27/64 | \$10.78 |
| 37040      | 7/16  | \$11.15 |
| 37050      | 29/64 | \$12.56 |
| 37060      | 15/32 | \$13.27 |
| 37070      | 31/64 | \$14.09 |
| 37080      | 1/2   | \$14.31 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 68161    | 1    | \$4.17 |
| 68171    | 2    | \$4.17 |
| 38171    | 3    | \$3.86 |
| 68181    | 4    | \$3.86 |
| 68191    | 5    | \$3.86 |
| 68201    | 6    | \$3.86 |
| 58421    | 7    | \$3.45 |
| 68211    | 8    | \$3.45 |
| 68221    | 9    | \$3.45 |
| 68231    | 10   | \$3.23 |
| 68241    | 11   | \$2.98 |
| 68251    | 12   | \$2.98 |
| 68261    | 13   | \$2.90 |
| 68271    | 14   | \$2.90 |
| 68281    | 15   | \$2.90 |
| 68291    | 16   | \$2.90 |
| 68301    | 17   | \$2.90 |
| 58591    | 18   | \$2.55 |
| 68311    | 19   | \$2.55 |
| 58381    | 20   | \$2.55 |
| 58721    | 21   | \$2.39 |
| 68321    | 22   | \$2.39 |
| 68331    | 23   | \$2.36 |
| 68341    | 24   | \$2.36 |
| 58901    | 25   | \$2.29 |
| 68351    | 26   | \$2.29 |
| 68361    | 27   | \$2.29 |
| 68371    | 28   | \$2.14 |
| 37321    | 29   | \$2.13 |
| 68381    | 30   | \$2.14 |

| Wire (Continued) |      |        |
|------------------|------|--------|
| Part No.         | Size | Price  |
| 68391            | 31   | \$2.14 |
| 68401            | 32   | \$2.14 |
| 58441            | 33   | \$2.13 |
| 68411            | 34   | \$2.14 |
| 68421            | 35   | \$2.14 |
| 58581            | 36   | \$2.13 |
| 37721            | 37   | \$2.13 |
| 68431            | 38   | \$2.14 |
| 58451            | 39   | \$2.13 |
| 38321            | 40   | \$2.13 |

| Letter   |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 70880    | A    | \$5.20  |
| 70890    | B    | \$5.20  |
| 70900    | C    | \$5.20  |
| 70910    | D    | \$5.07  |
| 71950    | E    | \$3.68  |
| 58481    | F    | \$5.50  |
| 70920    | G    | \$5.85  |
| 70930    | H    | \$5.96  |
| 70940    | I    | \$5.96  |
| 70950    | J    | \$6.16  |
| 71960    | K    | \$6.79  |
| 70960    | L    | \$6.79  |
| 70970    | M    | \$7.29  |
| 70980    | N    | \$7.29  |
| 70990    | O    | \$7.29  |
| 71000    | P    | \$8.01  |
| 71010    | Q    | \$8.09  |
| 71020    | R    | \$8.18  |
| 71030    | S    | \$8.75  |
| 71040    | T    | \$9.70  |
| 71050    | U    | \$9.70  |
| 71060    | V    | \$9.88  |
| 71070    | W    | \$10.28 |
| 72000    | X    | \$12.05 |
| 71080    | Y    | \$13.94 |
| 71090    | Z    | \$14.22 |

### Type 190-P Sets

#### Heavy-Duty - 135° Split Point - Black Oxide

| Part No. | Size | Price    |
|----------|------|----------|
| 68080    | P-13 | \$38.21  |
| 68100    | P-15 | \$102.29 |
| 68120    | P-21 | \$92.83  |
| 68150    | P-29 | \$188.12 |

### Parabolic Flute Type 190-PT

#### Heavy-Duty - Parabolic Flute 135° Split Point - TiN Coated

This exceptional high performance drill with the super hard TiN coating, may extend tool life 500% or more in very abrasive drilling applications. The parabolic flutes eliminate the need for frequent drill removal in deep hole drilling.



| Fractional |       |        |
|------------|-------|--------|
| Part No.   | Size  | Price  |
| 37870      | 1/16  | \$3.80 |
| 37880      | 5/64  | \$3.84 |
| 37890      | 3/32  | \$3.84 |
| 37900      | 7/64  | \$3.96 |
| 37910      | 1/8   | \$4.01 |
| 37920      | 9/64  | \$4.60 |
| 37930      | 5/32  | \$4.70 |
| 37940      | 11/64 | \$4.75 |
| 37950      | 3/16  | \$5.15 |
| 37960      | 13/64 | \$6.88 |

| Fractional (Continued) |       |         |
|------------------------|-------|---------|
| Part No.               | Size  | Price   |
| 37970                  | 7/32  | \$7.10  |
| 37980                  | 15/64 | \$7.29  |
| 37990                  | 1/4   | \$7.56  |
| 38000                  | 17/64 | \$10.68 |
| 38010                  | 9/32  | \$10.80 |
| 38020                  | 19/64 | \$11.41 |
| 38030                  | 5/16  | \$11.75 |
| 38040                  | 21/64 | \$13.63 |
| 38050                  | 11/32 | \$14.39 |
| 38060                  | 23/64 | \$15.10 |
| 38070                  | 3/8   | \$15.44 |
| 38080                  | 25/64 | \$17.68 |
| 38090                  | 13/32 | \$17.97 |
| 38100                  | 27/64 | \$18.98 |
| 38110                  | 7/16  | \$19.30 |
| 38120                  | 29/64 | \$21.82 |
| 38130                  | 15/32 | \$22.49 |
| 38140                  | 31/64 | \$23.21 |
| 38150                  | 1/2   | \$23.46 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 68162    | 1    | \$8.04 |
| 68172    | 2    | \$8.04 |
| 38172    | 3    | \$7.41 |
| 68182    | 4    | \$7.66 |
| 68192    | 5    | \$7.66 |
| 68202    | 6    | \$7.66 |
| 58422    | 7    | \$7.13 |
| 68212    | 8    | \$7.19 |
| 68222    | 9    | \$7.19 |
| 68232    | 10   | \$7.13 |
| 68242    | 11   | \$6.94 |
| 68252    | 12   | \$6.94 |
| 68262    | 13   | \$5.48 |
| 68272    | 14   | \$5.48 |
| 68282    | 15   | \$5.48 |
| 68292    | 16   | \$5.48 |
| 68302    | 17   | \$5.48 |
| 58592    | 18   | \$4.83 |
| 68312    | 19   | \$5.15 |
| 58382    | 20   | \$4.83 |
| 58722    | 21   | \$4.66 |
| 68322    | 22   | \$5.00 |
| 68332    | 23   | \$5.05 |
| 68342    | 24   | \$5.00 |
| 58902    | 25   | \$4.66 |
| 68352    | 26   | \$4.66 |
| 68362    | 27   | \$4.66 |
| 68372    | 28   | \$4.47 |
| 37322    | 29   | \$4.66 |
| 68382    | 30   | \$4.47 |
| 68392    | 31   | \$3.92 |
| 68402    | 32   | \$3.92 |
| 58442    | 33   | \$3.92 |
| 68412    | 34   | \$3.92 |
| 68422    | 35   | \$3.92 |
| 58582    | 36   | \$3.92 |
| 37722    | 37   | \$3.92 |
| 58452    | 39   | \$3.92 |
| 38322    | 40   | \$3.92 |

| Letter   |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 58372    | A    | \$8.19  |
| 58402    | B    | \$8.19  |
| 58412    | C    | \$8.19  |
| 58462    | D    | \$8.03  |
| 58472    | E    | \$7.75  |
| 58482    | F    | \$10.68 |
| 58492    | G    | \$11.02 |
| 58512    | H    | \$11.14 |
| 58532    | I    | \$11.14 |
| 58542    | J    | \$11.32 |

Continued Type 240PT -Letter on page 9.

Jobber, screw & mechanics drills #97 thru 9/32 thru L = 12 per pack. 19/64 thru 1/2 & thru Z = 6 per pack. Over 1/2 = 1 per pack. Tin Coated thru 9/32 = 3 per pack. 19/64 thru 1/2 = 6 per pack.

### Parabolic Flute

#### Type 190-PT

Heavy-Duty - Parabolic Flute  
135° Split Point - TiN Coated

| Part No. | Letter | Size | Price   |
|----------|--------|------|---------|
| 58552    | K      |      | \$11.75 |
| 58562    | L      |      | \$11.75 |
| 58572    | M      |      | \$12.21 |
| 58602    | N      |      | \$12.21 |
| 58612    | O      |      | \$13.45 |
| 58622    | P      |      | \$14.04 |
| 58632    | Q      |      | \$14.21 |
| 58642    | R      |      | \$14.48 |
| 58652    | S      |      | \$15.01 |
| 58662    | T      |      | \$15.90 |
| 58672    | U      |      | \$15.77 |
| 58732    | V      |      | \$17.22 |
| 58682    | W      |      | \$17.62 |
| 58692    | X      |      | \$19.15 |
| 58702    | Y      |      | \$21.05 |
| 58712    | Z      |      | \$21.30 |

#### Type 190-PT Sets

Heavy-Duty, Parabolic - TiN Coated

| Part No. | Size  | Price    |
|----------|-------|----------|
| 68090    | PT-13 | \$74.87  |
| 68110    | PT-15 | \$184.38 |
| 68130    | PT-21 | \$185.06 |
| 68160    | PT-29 | \$350.73 |

### M42 Cobalt NAS 907J

#### Type 150

#### 135° Split Point - Heavy-Duty

Heavy-duty 135° split point with gold finish for use in drilling hard tough metals, free machining stainless steel, high temperature alloys, titanium and certain plastics.

Manufactured to NAS 907J specifications



| Part No. | Size  | Price   |
|----------|-------|---------|
| 08000    | 3/64  | \$2.24  |
| 08010    | 1/16  | \$2.12  |
| 08020    | 5/64  | \$2.12  |
| 08030    | 3/32  | \$2.12  |
| 08040    | 7/64  | \$2.25  |
| 08050    | 1/8   | \$2.71  |
| 08060    | 9/64  | \$2.82  |
| 08070    | 5/32  | \$3.11  |
| 08080    | 11/64 | \$3.20  |
| 08090    | 3/16  | \$3.61  |
| 08100    | 13/64 | \$4.55  |
| 08110    | 7/32  | \$4.96  |
| 08120    | 15/64 | \$5.34  |
| 08130    | 1/4   | \$5.62  |
| 08140    | 17/64 | \$6.69  |
| 08150    | 9/32  | \$7.00  |
| 08160    | 19/64 | \$8.34  |
| 08170    | 5/16  | \$8.98  |
| 08180    | 21/64 | \$9.92  |
| 08190    | 11/32 | \$10.92 |
| 08200    | 23/64 | \$12.80 |
| 08210    | 3/8   | \$13.07 |
| 08220    | 25/64 | \$14.85 |
| 08230    | 13/32 | \$15.65 |
| 08240    | 27/64 | \$16.82 |
| 08250    | 7/16  | \$17.40 |
| 08260    | 29/64 | \$21.40 |
| 08270    | 15/32 | \$21.71 |
| 08280    | 31/64 | \$22.40 |
| 08290    | 1/2   | \$22.69 |

| Part No. | Size | Price   |
|----------|------|---------|
| 08940    | A    | \$5.62  |
| 08950    | B    | \$6.40  |
| 08960    | C    | \$6.40  |
| 08970    | D    | \$6.40  |
| 08980    | E    | \$5.62  |
| 08990    | F    | \$6.62  |
| 09000    | G    | \$6.62  |
| 09010    | H    | \$7.42  |
| 09020    | I    | \$6.98  |
| 09030    | J    | \$7.42  |
| 09040    | K    | \$7.42  |
| 09050    | L    | \$8.29  |
| 09060    | M    | \$8.95  |
| 09070    | N    | \$8.98  |
| 09080    | O    | \$9.88  |
| 09090    | P    | \$10.66 |
| 09100    | Q    | \$10.80 |
| 09110    | R    | \$10.80 |
| 09120    | S    | \$13.48 |
| 09130    | T    | \$13.48 |
| 09140    | U    | \$13.48 |
| 09150    | V    | \$15.45 |
| 09160    | W    | \$15.71 |
| 09170    | X    | \$15.71 |
| 09180    | Y    | \$16.77 |
| 09190    | Z    | \$18.21 |

| Part No. | Size | Price  |
|----------|------|--------|
| 08300    | 1    | \$5.87 |
| 08310    | 2    | \$5.87 |
| 08320    | 3    | \$5.26 |
| 08330    | 4    | \$5.50 |
| 08340    | 5    | \$5.50 |
| 08350    | 6    | \$5.50 |
| 08360    | 7    | \$4.23 |
| 08370    | 8    | \$4.29 |
| 08380    | 9    | \$4.29 |
| 08390    | 10   | \$4.29 |
| 08400    | 11   | \$4.61 |
| 08410    | 12   | \$4.52 |
| 08420    | 13   | \$3.94 |
| 08430    | 14   | \$4.03 |
| 08440    | 15   | \$4.03 |
| 08450    | 16   | \$3.75 |
| 08460    | 17   | \$3.69 |
| 08470    | 18   | \$3.37 |
| 08480    | 19   | \$3.27 |
| 08490    | 20   | \$3.16 |
| 08500    | 21   | \$3.01 |
| 08510    | 22   | \$3.27 |
| 08520    | 23   | \$3.27 |
| 08530    | 24   | \$3.29 |
| 08540    | 25   | \$2.99 |
| 08550    | 26   | \$2.92 |
| 08560    | 27   | \$2.97 |
| 08570    | 28   | \$2.78 |
| 08580    | 29   | \$2.71 |
| 08590    | 30   | \$2.50 |
| 08600    | 31   | \$2.47 |
| 08610    | 32   | \$2.39 |
| 08620    | 33   | \$2.32 |
| 08630    | 34   | \$2.32 |
| 08640    | 35   | \$2.32 |
| 08650    | 36   | \$2.26 |
| 08660    | 37   | \$2.26 |
| 08670    | 38   | \$2.16 |
| 08680    | 39   | \$2.16 |
| 08690    | 40   | \$2.16 |

| Part No. | Size | Price  |
|----------|------|--------|
| 08700    | 41   | \$2.12 |
| 08710    | 42   | \$2.04 |
| 08720    | 43   | \$2.04 |
| 08730    | 44   | \$2.04 |
| 08740    | 45   | \$2.04 |
| 08750    | 46   | \$2.04 |
| 08760    | 47   | \$2.04 |
| 08770    | 48   | \$2.04 |
| 08780    | 49   | \$2.04 |
| 08790    | 50   | \$2.04 |
| 08800    | 51   | \$2.04 |
| 08810    | 52   | \$2.04 |
| 08820    | 53   | \$2.26 |
| 08830    | 54   | \$2.26 |
| 08840    | 55   | \$2.26 |
| 08850    | 56   | \$2.26 |
| 08860    | 57   | \$2.53 |
| 08870    | 58   | \$2.53 |
| 08880    | 59   | \$2.53 |
| 08890    | 60   | \$2.53 |

| Carded   |       |         | Type 150 |       |         |
|----------|-------|---------|----------|-------|---------|
| Part No. | Size  | Price   | Part No. | Size  | Price   |
| 08007    | 3/64  | \$7.06  | 08157    | 9/32  | \$7.47  |
| 08017    | 1/16  | \$6.74  | 08167    | 19/64 | \$8.76  |
| 08027    | 5/64  | \$6.74  | 08177    | 5/16  | \$9.59  |
| 08037    | 3/32  | \$6.74  | 08187    | 21/64 | \$10.36 |
| 08047    | 7/64  | \$7.11  | 08197    | 11/32 | \$11.56 |
| 08057    | 1/8   | \$8.48  | 08207    | 23/64 | \$13.43 |
| 08067    | 9/64  | \$6.09  | 08217    | 3/8   | \$13.70 |
| 08077    | 5/32  | \$6.66  | 08227    | 25/64 | \$15.63 |
| 08087    | 11/64 | \$6.86  | 08237    | 13/32 | \$16.46 |
| 08097    | 3/16  | \$7.67  | 08247    | 27/64 | \$17.64 |
| 08107    | 13/64 | \$9.54  | 08257    | 7/16  | \$18.22 |
| 08117    | 7/32  | \$10.38 | 08267    | 29/64 | \$22.19 |
| 08127    | 15/64 | \$11.12 | 08277    | 15/32 | \$22.50 |
| 08137    | 1/4   | \$11.69 | 08287    | 31/64 | \$23.19 |
| 08147    | 17/64 | \$7.13  | 08297    | 1/2   | \$23.51 |

### M42 Cobalt NAS 907J

#### Type 150 - Sets/Displays

#### 135° Split Point - Heavy-Duty

| Part No. | Size  | Price    |
|----------|-------|----------|
| 68320    | D-13  | \$54.39  |
| 68340    | D-15  | \$163.06 |
| 68310    | D-20  | \$77.83  |
| 68360    | D-21  | \$144.28 |
| 68380    | D-26  | \$272.31 |
| 68400    | D-29  | \$306.30 |
| 68410    | D-29P | \$312.62 |
| 68420    | D-60  | \$195.34 |
| 69280    | D-115 | \$773.94 |

| 300 Piece Countertop Displays |       |            |
|-------------------------------|-------|------------|
| Part No.                      | Size  | Price      |
| 68460                         | 300-D | \$1,905.52 |

| Fractional Drills - 96 Piece Assortment |      |          |
|-----------------------------------------|------|----------|
| Part No.                                | Size | Price    |
| 68440                                   | 96-D | \$767.76 |

Jobber, screw & mechanics drills #97 thru 9/32 thru L  
= 12 per pack. 19/64 thru 1/2 & thru Z = 6 per pack.  
Over 1/2 = 1 per pack.

# Jobber Length Drills

Price List



M42 Cobalt, TiN Coated & Titanium Aluminum Nitride

## TiN Coated & Titanium Aluminum Nitride Type 150-N & Type 150-ALN NAS 907J

### 135° Split Point - Heavy-Duty

Heavy-duty 135° split point with gold finish for use in drilling hard tough metals, free machining stainless steel, high temperature alloys, titanium and certain plastics.

Manufactured to NAS 907J specifications

| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 79600      | 1/16  | \$4.22  |
| 79610      | 5/64  | \$4.19  |
| 79620      | 3/32  | \$4.19  |
| 79630      | 7/64  | \$4.43  |
| 79640      | 1/8   | \$4.93  |
| 79650      | 9/64  | \$5.06  |
| 79660      | 5/32  | \$5.39  |
| 79670      | 11/64 | \$5.69  |
| 79680      | 3/16  | \$6.06  |
| 79690      | 13/64 | \$8.13  |
| 79700      | 7/32  | \$8.59  |
| 79710      | 15/64 | \$8.92  |
| 79720      | 1/4   | \$9.31  |
| 79730      | 17/64 | \$11.08 |
| 79740      | 9/32  | \$11.38 |
| 79750      | 19/64 | \$12.80 |
| 79760      | 5/16  | \$13.43 |
| 79770      | 21/64 | \$15.43 |
| 79780      | 11/32 | \$16.42 |
| 79790      | 23/64 | \$18.40 |
| 79800      | 3/8   | \$18.65 |
| 79810      | 25/64 | \$21.71 |
| 79820      | 13/32 | \$22.44 |
| 79830      | 27/64 | \$24.09 |
| 79840      | 7/16  | \$24.50 |
| 79850      | 29/64 | \$29.20 |
| 79860      | 15/32 | \$29.55 |
| 79870      | 31/64 | \$31.61 |
| 79880      | 1/2   | \$30.26 |

| Letter   |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 79320    | A    | \$8.47  |
| 79330    | B    | \$9.24  |
| 79340    | C    | \$9.24  |
| 79350    | D    | \$9.24  |
| 79360    | E    | \$9.31  |
| 79370    | F    | \$9.68  |
| 79380    | G    | \$9.68  |
| 79390    | H    | \$10.46 |
| 79400    | I    | \$11.38 |
| 79410    | J    | \$11.17 |
| 79420    | K    | \$11.17 |
| 79430    | L    | \$12.01 |
| 79440    | M    | \$12.65 |
| 79450    | N    | \$12.68 |
| 79460    | O    | \$13.56 |
| 79470    | P    | \$14.32 |
| 79480    | Q    | \$14.46 |
| 79490    | R    | \$14.46 |
| 79500    | S    | \$17.08 |
| 79510    | T    | \$17.65 |
| 79520    | U    | \$17.65 |
| 79530    | V    | \$19.58 |
| 79540    | W    | \$19.83 |
| 79550    | X    | \$20.50 |
| 79560    | Y    | \$21.54 |
| 79570    | Z    | \$22.94 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 77001    | #1   | \$8.99 |
| 77011    | 2    | \$8.99 |
| 77021    | 3    | \$8.36 |
| 77031    | 4    | \$8.61 |
| 77041    | 5    | \$8.61 |
| 77051    | 6    | \$8.61 |
| 77061    | 7    | \$7.30 |
| 77071    | 8    | \$7.36 |
| 77081    | 9    | \$7.36 |
| 77091    | 10   | \$7.36 |
| 77101    | 11   | \$7.69 |
| 77111    | 12   | \$7.60 |
| 77121    | 13   | \$6.22 |
| 77131    | 14   | \$6.32 |
| 77141    | 15   | \$6.32 |

| Wire - Continued |    |        |
|------------------|----|--------|
| 77151            | 16 | \$6.02 |
| 77161            | 17 | \$5.96 |
| 77171            | 18 | \$5.63 |
| 77181            | 19 | \$5.52 |
| 77191            | 20 | \$5.41 |
| 77201            | 21 | \$5.26 |
| 77211            | 22 | \$5.52 |
| 77221            | 23 | \$5.52 |
| 77231            | 24 | \$5.55 |
| 77241            | 25 | \$5.24 |
| 77251            | 26 | \$5.16 |
| 77261            | 27 | \$5.21 |
| 77271            | 28 | \$5.02 |
| 77281            | 29 | \$4.95 |
| 77291            | 30 | \$4.73 |
| 77301            | 31 | \$4.70 |
| 77311            | 32 | \$4.60 |
| 77321            | 33 | \$4.54 |
| 77331            | 34 | \$4.54 |
| 77341            | 35 | \$4.54 |
| 77351            | 36 | \$4.54 |
| 77361            | 37 | \$4.54 |
| 77371            | 38 | \$4.32 |
| 77381            | 39 | \$4.38 |
| 77391            | 40 | \$4.38 |
| 77401            | 41 | \$4.32 |
| 77411            | 42 | \$4.25 |
| 77421            | 43 | \$4.25 |
| 77431            | 44 | \$4.25 |
| 77441            | 45 | \$4.25 |
| 77451            | 46 | \$4.25 |
| 77461            | 47 | \$4.25 |
| 77471            | 48 | \$4.25 |
| 77481            | 49 | \$4.25 |
| 77491            | 50 | \$4.25 |
| 77501            | 51 | \$4.25 |
| 77511            | 52 | \$4.25 |
| 77521            | 53 | \$4.48 |
| 77531            | 54 | \$4.48 |
| 77541            | 55 | \$4.48 |
| 77551            | 56 | \$4.48 |
| 77561            | 57 | \$4.76 |
| 77571            | 58 | \$4.76 |
| 77581            | 59 | \$4.76 |
| 77591            | 60 | \$4.76 |

### Type 150-N Sets

#### Titanium Nitride Coated NAS 907J 135° Split Point - Heavy-Duty

| Part No. | Size   | Price      |
|----------|--------|------------|
| 79890    | DN-13  | \$85.32    |
| 79900    | DN-15  | \$221.17   |
| 79910    | DN-21  | \$208.48   |
| 79930    | DN-26  | \$374.75   |
| 79920    | DN-29  | \$424.39   |
| 79940    | DN-60  | \$341.53   |
| 79950    | DN-115 | \$1,175.74 |

### Type 150-ALN Sets

#### Titanium Aluminum Nitride NAS 907J 135° Split Point - Heavy-Duty

For use where extreme temperatures are found, allows for increased machining speeds up to 200%. Can be used in machining stainless steels, nickel based and titanium alloys, not recommended for aluminum

| Part No. | Size  | Price   |
|----------|-------|---------|
| 80003    | 1/16  | \$5.06  |
| 80013    | 5/64  | \$5.03  |
| 80023    | 3/32  | \$5.03  |
| 80033    | 7/64  | \$5.32  |
| 80043    | 1/8   | \$5.92  |
| 80053    | 9/64  | \$6.07  |
| 80063    | 5/32  | \$6.47  |
| 80073    | 11/64 | \$6.83  |
| 80083    | 3/16  | \$7.27  |
| 80093    | 13/64 | \$9.76  |
| 80103    | 7/32  | \$10.31 |
| 80113    | 15/64 | \$10.70 |



| Fractional - Continued |       |         |
|------------------------|-------|---------|
| 80123                  | 1/4   | \$11.17 |
| 80133                  | 17/64 | \$13.30 |
| 80143                  | 9/32  | \$13.66 |
| 80153                  | 19/64 | \$15.36 |
| 80163                  | 5/16  | \$16.12 |
| 80173                  | 21/64 | \$18.52 |
| 80183                  | 11/32 | \$19.70 |
| 80193                  | 23/64 | \$22.08 |
| 80203                  | 3/8   | \$22.38 |
| 80213                  | 25/64 | \$26.05 |
| 80223                  | 13/32 | \$26.93 |
| 80233                  | 27/64 | \$28.91 |
| 80243                  | 7/16  | \$29.40 |
| 80253                  | 29/64 | \$35.04 |
| 80263                  | 15/32 | \$35.46 |
| 80273                  | 31/64 | \$37.93 |
| 80283                  | 1/2   | \$36.31 |

| Letter   |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 80293    | A    | \$10.16 |
| 80303    | B    | \$11.09 |
| 80313    | C    | \$11.09 |
| 80323    | D    | \$11.09 |
| 80333    | E    | \$11.17 |
| 80343    | F    | \$11.62 |
| 80353    | G    | \$11.62 |
| 80363    | H    | \$12.55 |
| 80373    | I    | \$13.66 |
| 80383    | J    | \$13.40 |
| 80393    | K    | \$13.40 |
| 80403    | L    | \$14.41 |
| 80413    | M    | \$15.18 |
| 80423    | N    | \$15.22 |
| 80433    | O    | \$16.27 |
| 80443    | P    | \$17.18 |
| 80453    | Q    | \$17.35 |
| 80463    | R    | \$17.35 |
| 80473    | S    | \$20.50 |
| 80483    | T    | \$21.18 |
| 80493    | U    | \$21.18 |
| 80503    | V    | \$23.50 |
| 80513    | W    | \$23.80 |
| 80523    | X    | \$24.60 |
| 80533    | Y    | \$25.85 |
| 80543    | Z    | \$27.53 |

| Wire     |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 80553    | #1   | \$10.79 |
| 80563    | 2    | \$10.79 |
| 80573    | 3    | \$10.03 |
| 80583    | 4    | \$10.33 |
| 80593    | 5    | \$10.33 |
| 80603    | 6    | \$10.33 |
| 80613    | 7    | \$8.76  |
| 80623    | 8    | \$8.83  |
| 80633    | 9    | \$8.83  |
| 80643    | 10   | \$8.83  |
| 80653    | 11   | \$9.23  |
| 80663    | 12   | \$9.12  |
| 80673    | 13   | \$7.46  |
| 80683    | 14   | \$7.58  |
| 80693    | 15   | \$7.58  |
| 80703    | 16   | \$7.22  |
| 80713    | 17   | \$7.15  |
| 80723    | 18   | \$6.76  |
| 80733    | 19   | \$6.62  |
| 80743    | 20   | \$6.49  |
| 80753    | 21   | \$6.31  |
| 80763    | 22   | \$6.62  |
| 80773    | 23   | \$6.62  |
| 80783    | 24   | \$6.66  |
| 80793    | 25   | \$6.29  |
| 80803    | 26   | \$6.19  |

Continued Type 150-ALN - Wire on page 11

Type 150-ALN Sets Titanium Aluminum Nitride NAS  
907J 135° Split Point - Heavy-Duty

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 80813    | 27   | \$6.25 |
| 80823    | 28   | \$6.02 |
| 80833    | 29   | \$5.94 |
| 80843    | 30   | \$5.68 |
| 80853    | 31   | \$5.64 |
| 80863    | 32   | \$5.52 |
| 80873    | 33   | \$5.45 |
| 80883    | 34   | \$5.45 |
| 80893    | 35   | \$5.45 |
| 80903    | 36   | \$5.45 |
| 80913    | 37   | \$5.45 |
| 80923    | 38   | \$5.18 |
| 80933    | 39   | \$5.26 |
| 80943    | 40   | \$5.26 |
| 80953    | 41   | \$5.18 |
| 80963    | 42   | \$5.10 |
| 80973    | 43   | \$5.10 |
| 80983    | 44   | \$5.10 |
| 80993    | 45   | \$5.10 |
| 81003    | 46   | \$5.10 |
| 81013    | 47   | \$5.10 |
| 81023    | 48   | \$5.10 |
| 81033    | 49   | \$5.10 |
| 81043    | 50   | \$5.10 |
| 81053    | 51   | \$5.10 |
| 81063    | 52   | \$5.10 |
| 81073    | 53   | \$5.38 |
| 81083    | 54   | \$5.38 |
| 81093    | 55   | \$5.38 |
| 81103    | 56   | \$5.38 |
| 81113    | 57   | \$5.71 |
| 81123    | 58   | \$5.71 |
| 81133    | 59   | \$5.71 |
| 81143    | 60   | \$5.71 |

HSS Heavy-Duty NAS 907B  
Type 190-AN

## TiN Coated - 135° Split Point -

Titanium nitride coated, heavy-duty, 135° split point drills perform well in very demanding applications. The TiN coating provides a super hard surface with high lubricity. The tool life may be extended 500% or more in high wear or very abrasive drilling applications.

Manufactured to NAS 907B specifications



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 97890      | 1/16  | \$3.64  |
| 97880      | 5/64  | \$3.66  |
| 97870      | 3/32  | \$3.66  |
| 97860      | 7/64  | \$3.79  |
| 97850      | 1/8   | \$3.85  |
| 97840      | 9/64  | \$4.40  |
| 97830      | 5/32  | \$4.47  |
| 97820      | 11/64 | \$4.54  |
| 97810      | 3/16  | \$4.92  |
| 97800      | 13/64 | \$6.55  |
| 97790      | 7/32  | \$6.75  |
| 97780      | 15/64 | \$6.95  |
| 97770      | 1/4   | \$7.21  |
| 97760      | 17/64 | \$10.20 |
| 97750      | 9/32  | \$10.32 |
| 97740      | 19/64 | \$10.90 |
| 97730      | 5/16  | \$11.23 |
| 97720      | 21/64 | \$13.01 |
| 97710      | 11/32 | \$13.75 |
| 97700      | 23/64 | \$14.42 |
| 97690      | 3/8   | \$14.75 |
| 97680      | 25/64 | \$16.85 |
| 97670      | 13/32 | \$17.15 |
| 97660      | 27/64 | \$18.10 |
| 97650      | 7/16  | \$18.42 |
| 97640      | 29/64 | \$20.82 |
| 97630      | 15/32 | \$21.46 |
| 97620      | 31/64 | \$22.17 |
| 97610      | 1/2   | \$22.38 |

| Letter   |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 95710    | A    | \$7.65  |
| 95700    | B    | \$7.65  |
| 95690    | C    | \$7.65  |
| 95680    | D    | \$7.49  |
| 95670    | E    | \$7.21  |
| 95660    | F    | \$10.14 |
| 95650    | G    | \$10.48 |
| 95640    | H    | \$10.61 |
| 95630    | I    | \$10.61 |
| 95620    | J    | \$10.81 |
| 95610    | K    | \$11.37 |
| 95600    | L    | \$11.23 |
| 95590    | M    | \$11.69 |
| 95580    | N    | \$11.69 |
| 95570    | O    | \$12.92 |
| 95560    | P    | \$13.52 |
| 95550    | Q    | \$13.68 |
| 95540    | R    | \$13.95 |
| 95530    | S    | \$14.49 |
| 95520    | T    | \$15.38 |
| 95510    | U    | \$15.24 |
| 95500    | V    | \$16.77 |
| 95490    | W    | \$17.09 |
| 95480    | X    | \$18.63 |
| 95470    | Y    | \$20.52 |
| 95460    | Z    | \$20.77 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 98520    | 1    | \$7.38 |
| 98510    | 2    | \$7.38 |
| 98500    | 3    | \$7.10 |
| 98490    | 4    | \$7.10 |
| 98480    | 5    | \$7.10 |
| 98470    | 6    | \$7.10 |
| 98460    | 7    | \$6.73 |
| 98450    | 8    | \$6.73 |
| 98440    | 9    | \$6.73 |
| 98430    | 10   | \$6.68 |
| 98420    | 11   | \$6.45 |
| 98410    | 12   | \$6.45 |
| 98400    | 13   | \$4.99 |
| 98390    | 14   | \$4.99 |
| 98380    | 15   | \$4.99 |
| 98370    | 16   | \$4.99 |
| 98360    | 17   | \$4.99 |
| 98350    | 18   | \$4.67 |
| 98340    | 19   | \$4.67 |
| 98330    | 20   | \$4.67 |
| 98320    | 21   | \$4.52 |
| 98310    | 22   | \$4.52 |
| 98300    | 23   | \$4.47 |
| 98290    | 24   | \$4.47 |
| 98280    | 25   | \$4.40 |
| 98270    | 26   | \$4.40 |
| 98260    | 27   | \$4.40 |
| 98250    | 28   | \$4.20 |
| 98240    | 29   | \$4.20 |
| 98230    | 30   | \$4.20 |
| 98220    | 31   | \$3.66 |
| 98210    | 32   | \$3.66 |
| 98200    | 33   | \$3.66 |
| 98190    | 34   | \$3.66 |
| 98180    | 35   | \$3.66 |
| 98170    | 36   | \$3.66 |
| 98160    | 37   | \$3.66 |
| 98150    | 38   | \$3.66 |
| 98140    | 39   | \$3.66 |
| 98130    | 40   | \$3.66 |
| 98120    | 41   | \$3.66 |
| 98110    | 42   | \$3.66 |
| 98100    | 43   | \$3.66 |
| 98090    | 44   | \$3.66 |
| 98080    | 45   | \$3.66 |
| 98070    | 46   | \$3.66 |
| 98060    | 47   | \$3.66 |
| 98050    | 48   | \$3.66 |
| 98040    | 49   | \$3.66 |
| 98030    | 50   | \$3.66 |
| 98020    | 51   | \$3.66 |
| 98010    | 52   | \$3.66 |

HSS Heavy-Duty NAS 907B  
Type 190-AN Sets

## TiN Coated - 135° Split Point

| Part No. | Size                               | Price      |
|----------|------------------------------------|------------|
| 88670    | AN-13                              | \$70.86    |
| 88680    | AN-15                              | \$175.60   |
| 96740    | AN-21                              | \$175.15   |
| 96690    | AN-29                              | \$333.55   |
| 96770    | AN-29PON<br>Blaze Orange Ultra Dex | \$341.49   |
| 96700    | AN-60                              | \$284.68   |
| 95110    | AN-115                             | \$1,027.79 |

TiN Coated thru 9/32, L, #52 = 3 per pack, 19/64 thru 1/2 = 6 per pack.

HSS Heavy-Duty NAS 907B  
Type 190ACNTitanium Carbon Nitride (TiCN) 135°  
Split Point

TiCN is harder and has a lower coefficient of friction than the TiN coating.

Manufactured to NAS 907B specifications



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 80002      | 1/16  | \$4.27  |
| 80012      | 5/64  | \$4.30  |
| 80022      | 3/32  | \$4.30  |
| 80032      | 7/64  | \$4.43  |
| 80042      | 1/8   | \$4.49  |
| 80052      | 9/64  | \$5.06  |
| 80062      | 5/32  | \$5.15  |
| 80072      | 11/64 | \$5.22  |
| 80082      | 3/16  | \$5.60  |
| 80092      | 13/64 | \$7.68  |
| 80102      | 7/32  | \$7.87  |
| 80112      | 15/64 | \$8.10  |
| 80122      | 1/4   | \$8.35  |
| 80132      | 17/64 | \$11.48 |
| 80142      | 9/32  | \$11.57 |
| 80152      | 19/64 | \$12.17 |
| 80162      | 5/16  | \$12.96 |
| 80172      | 21/64 | \$14.83 |
| 80182      | 11/32 | \$15.60 |
| 80192      | 23/64 | \$16.29 |
| 80202      | 3/8   | \$16.79 |
| 80212      | 25/64 | \$19.01 |
| 80222      | 13/32 | \$19.29 |
| 80232      | 27/64 | \$20.27 |
| 80242      | 7/16  | \$20.94 |
| 80252      | 29/64 | \$23.44 |
| 80262      | 15/32 | \$24.07 |
| 80272      | 31/64 | \$24.83 |
| 80282      | 1/2   | \$25.49 |

| Letter   |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 80292    | A    | \$8.98  |
| 80302    | B    | \$8.98  |
| 80312    | C    | \$8.98  |
| 80322    | D    | \$8.78  |
| 80332    | E    | \$8.45  |
| 80342    | F    | \$11.89 |
| 80352    | G    | \$12.30 |
| 80362    | H    | \$12.44 |
| 80372    | I    | \$12.44 |
| 80382    | J    | \$12.67 |
| 80392    | K    | \$13.33 |
| 80402    | L    | \$13.17 |
| 80412    | M    | \$13.71 |
| 80422    | N    | \$13.71 |
| 80432    | O    | \$15.15 |
| 80442    | P    | \$15.86 |
| 80452    | Q    | \$16.04 |
| 80462    | R    | \$16.36 |
| 80472    | S    | \$17.00 |
| 80482    | T    | \$18.03 |
| 80492    | U    | \$17.88 |
| 80502    | V    | \$19.67 |
| 80512    | W    | \$20.05 |
| 80522    | X    | \$21.86 |
| 80532    | Y    | \$24.07 |
| 80542    | Z    | \$24.36 |

## Titanium Carbon Nitride, Titanium Aluminum Nitride Heavy-Duty

### HSS Heavy-Duty NAS 907B

#### Type 190ACN

#### Titanium Carbon Nitride (TiCN)

#### 135° Split Point

TiCN is harder and has a lower coefficient of friction than the TiN coating.

Manufactured to NAS 907B specifications

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 80552    | 1    | \$8.66 |
| 80562    | 2    | \$8.66 |
| 80572    | 3    | \$8.33 |
| 80582    | 4    | \$8.33 |
| 80592    | 5    | \$8.33 |
| 80602    | 6    | \$8.33 |
| 80612    | 7    | \$7.89 |
| 80622    | 8    | \$7.89 |
| 80632    | 9    | \$7.89 |
| 80642    | 10   | \$7.83 |
| 80652    | 11   | \$7.57 |
| 80662    | 12   | \$7.57 |
| 80672    | 13   | \$5.85 |
| 80682    | 14   | \$5.85 |
| 80692    | 15   | \$5.85 |
| 80702    | 16   | \$5.85 |
| 80712    | 17   | \$5.85 |
| 80722    | 18   | \$5.48 |
| 80732    | 19   | \$5.48 |
| 80742    | 20   | \$5.48 |
| 80752    | 21   | \$5.30 |
| 80762    | 22   | \$5.30 |
| 80772    | 23   | \$5.25 |
| 80782    | 24   | \$5.25 |
| 80792    | 25   | \$5.15 |
| 80802    | 26   | \$5.15 |
| 80812    | 27   | \$5.15 |
| 80822    | 28   | \$4.93 |
| 80832    | 29   | \$4.93 |
| 80842    | 30   | \$4.93 |
| 80852    | 31   | \$4.29 |
| 80862    | 32   | \$4.29 |
| 80872    | 33   | \$4.29 |
| 80882    | 34   | \$4.29 |
| 80892    | 35   | \$4.29 |
| 80902    | 36   | \$4.29 |
| 80912    | 37   | \$4.29 |
| 80922    | 38   | \$4.29 |
| 80932    | 39   | \$4.29 |
| 80942    | 40   | \$4.29 |
| 80952    | 41   | \$4.29 |
| 80962    | 42   | \$4.29 |
| 80972    | 43   | \$4.29 |
| 80982    | 44   | \$4.29 |
| 80992    | 45   | \$4.29 |
| 81002    | 46   | \$4.29 |
| 81012    | 47   | \$4.29 |
| 81022    | 48   | \$4.29 |
| 81032    | 49   | \$4.29 |
| 81042    | 50   | \$4.29 |
| 81052    | 51   | \$4.29 |
| 81062    | 52   | \$4.29 |

### HSS Heavy-Duty NAS 907B

#### Type 190ACN Sets

#### Titanium Carbon Nitride (TiCN)

#### 135° Split Point

| Part No. | Size    | Price    |
|----------|---------|----------|
| 81182    | TiCN-15 | \$198.55 |
| 81152    | TiCN-21 | \$198.33 |
| 81162    | TiCN-29 | \$378.20 |

### HSS Heavy-Duty NAS 907B

#### Type 190ALN

#### Titanium Aluminum Nitride (TiAlN) 135° Split Point

Designed for use in high temperature operations and difficult to machine material.

Manufactured to NAS 907B specifications



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 80000      | 1/16  | \$4.27  |
| 80010      | 5/64  | \$4.30  |
| 80020      | 3/32  | \$4.30  |
| 80030      | 7/64  | \$4.43  |
| 80040      | 1/8   | \$4.49  |
| 80050      | 9/64  | \$5.06  |
| 80060      | 5/32  | \$5.15  |
| 80070      | 11/64 | \$5.22  |
| 80080      | 3/16  | \$5.60  |
| 80090      | 13/64 | \$7.68  |
| 80100      | 7/32  | \$7.87  |
| 80110      | 15/64 | \$8.10  |
| 80120      | 1/4   | \$8.35  |
| 80130      | 17/64 | \$11.48 |
| 80140      | 9/32  | \$11.57 |
| 80150      | 19/64 | \$12.17 |
| 80160      | 5/16  | \$12.96 |
| 80170      | 21/64 | \$14.83 |
| 80180      | 11/32 | \$15.60 |
| 80190      | 23/64 | \$16.29 |
| 80200      | 3/8   | \$16.79 |
| 80210      | 25/64 | \$19.01 |
| 80220      | 13/32 | \$19.29 |
| 80230      | 27/64 | \$20.27 |
| 80240      | 7/16  | \$20.94 |
| 80250      | 29/64 | \$23.44 |
| 80260      | 15/32 | \$24.07 |
| 80270      | 31/64 | \$24.83 |
| 80280      | 1/2   | \$25.49 |

| Letter   |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 80290    | A    | \$8.98  |
| 80300    | B    | \$8.98  |
| 80310    | C    | \$8.98  |
| 80320    | D    | \$8.78  |
| 80330    | E    | \$8.45  |
| 80340    | F    | \$11.89 |
| 80350    | G    | \$12.30 |
| 80360    | H    | \$12.44 |
| 80370    | I    | \$12.44 |
| 80380    | J    | \$12.67 |
| 80390    | K    | \$13.33 |
| 80400    | L    | \$13.17 |
| 80410    | M    | \$13.71 |
| 80420    | N    | \$13.71 |
| 80430    | O    | \$15.15 |
| 80440    | P    | \$15.86 |
| 80450    | Q    | \$16.04 |
| 80460    | R    | \$16.36 |
| 80470    | S    | \$17.00 |
| 80480    | T    | \$18.03 |
| 80490    | U    | \$17.88 |
| 80500    | V    | \$19.67 |
| 80510    | W    | \$20.05 |
| 80520    | X    | \$21.86 |
| 80530    | Y    | \$24.07 |
| 80540    | Z    | \$24.36 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 80550    | 1    | \$8.66 |
| 80560    | 2    | \$8.66 |
| 80570    | 3    | \$8.33 |
| 80580    | 4    | \$8.33 |
| 80590    | 5    | \$8.33 |
| 80600    | 6    | \$8.33 |
| 80610    | 7    | \$7.89 |
| 80620    | 8    | \$7.89 |
| 80630    | 9    | \$7.89 |
| 80640    | 10   | \$7.83 |
| 80650    | 11   | \$7.57 |
| 80660    | 12   | \$7.57 |
| 80670    | 13   | \$5.85 |
| 80680    | 14   | \$5.85 |
| 80690    | 15   | \$5.85 |
| 80700    | 16   | \$5.85 |
| 80710    | 17   | \$5.85 |
| 80720    | 18   | \$5.48 |
| 80730    | 19   | \$5.48 |
| 80740    | 20   | \$5.48 |
| 80750    | 21   | \$5.30 |
| 80760    | 22   | \$5.30 |
| 80770    | 23   | \$5.25 |
| 80780    | 24   | \$5.25 |
| 80790    | 25   | \$5.15 |
| 80800    | 26   | \$5.15 |
| 80810    | 27   | \$5.15 |
| 80820    | 28   | \$4.93 |
| 80830    | 29   | \$4.93 |
| 80840    | 30   | \$4.93 |
| 80850    | 31   | \$4.29 |
| 80860    | 32   | \$4.29 |
| 80870    | 33   | \$4.29 |
| 80880    | 34   | \$4.29 |
| 80890    | 35   | \$4.29 |
| 80900    | 36   | \$4.29 |
| 80910    | 37   | \$4.29 |
| 80920    | 38   | \$4.29 |
| 80930    | 39   | \$4.29 |
| 80940    | 40   | \$4.29 |
| 80950    | 41   | \$4.29 |
| 80960    | 42   | \$4.29 |
| 80970    | 43   | \$4.29 |
| 80980    | 44   | \$4.29 |
| 80990    | 45   | \$4.29 |
| 81000    | 46   | \$4.29 |
| 81010    | 47   | \$4.29 |
| 81020    | 48   | \$4.29 |
| 81030    | 49   | \$4.29 |
| 81040    | 50   | \$4.29 |
| 81050    | 51   | \$4.29 |
| 81060    | 52   | \$4.29 |

### HSS Heavy-Duty NAS 907B

#### Type 190ALN Sets

#### Titanium Aluminum Nitride (TiAlN)

#### 135° Split Point

| Part No. | Size   | Price    |
|----------|--------|----------|
| 81150    | ALN-15 | \$198.55 |
| 81160    | ALN-21 | \$198.33 |
| 81180    | ALN-29 | \$378.20 |

## HSS Black Oxide 118° Split Point - NAS 907A Type 340-A

118° split point is self-centering for reduced thrust and easier penetration. Black oxide finish for increased wear resistance and added lubricity. Manufactured to NAS 907A aerospace specification.



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 35730      | 1/16  | \$1.67  |
| 35740      | 5/64  | \$1.70  |
| 35750      | 3/32  | \$1.70  |
| 35760      | 7/64  | \$1.83  |
| 35770      | 1/8   | \$1.88  |
| 35780      | 9/64  | \$1.90  |
| 35790      | 5/32  | \$1.97  |
| 35800      | 11/64 | \$2.02  |
| 35810      | 3/16  | \$2.45  |
| 35820      | 13/64 | \$2.74  |
| 35830      | 7/32  | \$2.91  |
| 35840      | 15/64 | \$3.12  |
| 35850      | 1/4   | \$3.37  |
| 35860      | 17/64 | \$4.16  |
| 35870      | 9/32  | \$4.29  |
| 35880      | 19/64 | \$4.86  |
| 35890      | 5/16  | \$5.20  |
| 35900      | 21/64 | \$5.86  |
| 35910      | 11/32 | \$6.61  |
| 35920      | 23/64 | \$7.31  |
| 35930      | 3/8   | \$7.63  |
| 35940      | 25/64 | \$8.63  |
| 35950      | 13/32 | \$8.92  |
| 35960      | 27/64 | \$9.89  |
| 35970      | 7/16  | \$10.19 |
| 35980      | 29/64 | \$11.52 |
| 35990      | 15/32 | \$12.16 |
| 36000      | 31/64 | \$12.90 |
| 36010      | 1/2   | \$13.14 |

| Letter   |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 82750    | A    | \$3.28  |
| 82760    | B    | \$3.28  |
| 82770    | C    | \$3.11  |
| 82780    | D    | \$3.11  |
| 82790    | E    | \$3.11  |
| 82800    | F    | \$3.55  |
| 82810    | G    | \$3.68  |
| 82820    | H    | \$3.79  |
| 82830    | I    | \$3.79  |
| 82840    | J    | \$4.49  |
| 82850    | K    | \$4.49  |
| 82860    | L    | \$5.13  |
| 82870    | M    | \$5.41  |
| 82880    | N    | \$5.41  |
| 82890    | O    | \$5.41  |
| 82900    | P    | \$5.67  |
| 82910    | Q    | \$5.67  |
| 82920    | R    | \$5.67  |
| 82930    | S    | \$6.62  |
| 82940    | T    | \$6.62  |
| 82950    | U    | \$7.13  |
| 82960    | V    | \$7.13  |
| 82970    | W    | \$7.65  |
| 82980    | X    | \$9.02  |
| 82990    | Y    | \$9.64  |
| 83000    | Z    | \$10.43 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 66710    | 1    | \$3.44 |
| 57280    | 2    | \$3.44 |
| 66700    | 3    | \$3.16 |
| 57370    | 4    | \$3.16 |
| 95430    | 5    | \$3.16 |
| 66690    | 6    | \$3.16 |
| 66680    | 7    | \$2.80 |
| 66770    | 8    | \$2.80 |
| 66760    | 9    | \$2.80 |
| 92630    | 10   | \$2.75 |
| 66670    | 11   | \$2.53 |
| 66220    | 12   | \$2.53 |
| 92640    | 13   | \$2.46 |
| 66660    | 14   | \$2.46 |
| 66650    | 15   | \$2.46 |
| 66640    | 16   | \$2.46 |
| 57290    | 17   | \$2.46 |
| 66810    | 18   | \$2.13 |
| 57550    | 19   | \$2.13 |
| 66630    | 20   | \$2.13 |
| 66620    | 21   | \$1.95 |
| 57630    | 22   | \$1.95 |
| 66610    | 23   | \$1.93 |
| 66720    | 24   | \$1.93 |
| 57360    | 25   | \$1.86 |
| 66600    | 26   | \$1.86 |
| 66750    | 27   | \$1.86 |
| 57700    | 28   | \$1.65 |
| 66590    | 29   | \$1.65 |
| 95420    | 30   | \$1.65 |
| 66800    | 31   | \$1.65 |
| 66350    | 32   | \$1.65 |
| 66580    | 33   | \$1.65 |
| 66740    | 34   | \$1.65 |
| 57350    | 35   | \$1.65 |
| 66570    | 36   | \$1.65 |
| 66560    | 37   | \$1.65 |
| 66550    | 38   | \$1.65 |
| 57560    | 39   | \$1.65 |
| 66540    | 40   | \$1.65 |
| 66530    | 41   | \$1.69 |
| 66520    | 42   | \$1.69 |
| 66730    | 43   | \$1.69 |
| 66830    | 44   | \$1.69 |
| 66790    | 45   | \$1.69 |
| 95410    | 46   | \$1.69 |
| 66310    | 47   | \$1.69 |
| 66780    | 48   | \$1.69 |
| 66510    | 49   | \$1.69 |
| 66500    | 50   | \$1.69 |
| 66300    | 51   | \$1.69 |
| 66370    | 52   | \$1.69 |

## TiN Coated - General Purpose Type 100-BN

### 118° Point

Titanium nitride coated, general purpose construction, 118° point performs well in mild drilling applications with strong abrasive wear characteristics. The tool life may be extended 500% or more in these high wear applications.



| Fractional |      |        |
|------------|------|--------|
| Part No.   | Size | Price  |
| 97920      | 1/64 | \$4.95 |
| 97910      | 1/32 | \$3.68 |
| 97900      | 3/64 | \$3.37 |

## TiN Coated - General Purpose Type 100-BN 118° Point

| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 22570      | 1/16  | \$3.45  |
| 22580      | 5/64  | \$3.48  |
| 22590      | 3/32  | \$3.48  |
| 22600      | 7/64  | \$3.60  |
| 22610      | 1/8   | \$3.65  |
| 22620      | 9/64  | \$4.17  |
| 22630      | 5/32  | \$4.26  |
| 22640      | 11/64 | \$4.32  |
| 22650      | 3/16  | \$4.43  |
| 22660      | 13/64 | \$6.23  |
| 22670      | 7/32  | \$6.42  |
| 22680      | 15/64 | \$6.61  |
| 22690      | 1/4   | \$6.86  |
| 22700      | 17/64 | \$9.70  |
| 22710      | 9/32  | \$9.79  |
| 22720      | 19/64 | \$10.36 |
| 22730      | 5/16  | \$10.65 |
| 22740      | 21/64 | \$12.35 |
| 22750      | 11/32 | \$13.05 |
| 22760      | 23/64 | \$13.70 |
| 22770      | 3/8   | \$14.00 |
| 22780      | 25/64 | \$16.02 |
| 22790      | 13/32 | \$16.27 |
| 22800      | 27/64 | \$17.19 |
| 22810      | 7/16  | \$17.48 |
| 22820      | 29/64 | \$19.78 |
| 22830      | 15/32 | \$20.40 |
| 22840      | 31/64 | \$21.07 |
| 22850      | 1/2   | \$21.24 |
| 32500      | 33/64 | \$26.08 |
| 32510      | 17/32 | \$26.93 |
| 32520      | 35/64 | \$28.52 |
| 32530      | 9/16  | \$27.97 |
| 32540      | 37/64 | \$29.32 |
| 32550      | 19/32 | \$30.17 |
| 32560      | 39/64 | \$32.39 |
| 32570      | 5/8   | \$29.35 |
| 32580      | 41/64 | \$46.18 |
| 32590      | 21/32 | \$46.16 |
| 32600      | 43/64 | \$50.63 |
| 32610      | 11/16 | \$49.94 |
| 32650      | 3/4   | \$66.85 |

| Letter   |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 22890    | A    | \$7.25  |
| 22900    | B    | \$7.25  |
| 22910    | C    | \$7.25  |
| 22920    | D    | \$7.14  |
| 22930    | E    | \$6.86  |
| 22940    | F    | \$9.64  |
| 22950    | G    | \$9.96  |
| 22960    | H    | \$10.08 |
| 22970    | I    | \$10.08 |
| 22980    | J    | \$10.29 |
| 22990    | K    | \$10.81 |
| 23000    | L    | \$10.65 |
| 23010    | M    | \$11.11 |
| 23020    | N    | \$11.11 |
| 23030    | O    | \$12.28 |
| 23040    | P    | \$12.84 |
| 23050    | Q    | \$12.99 |
| 23060    | R    | \$13.25 |
| 23070    | S    | \$13.76 |
| 23080    | T    | \$14.61 |
| 23090    | U    | \$14.49 |
| 23100    | V    | \$15.94 |
| 23110    | W    | \$16.23 |
| 23120    | X    | \$17.71 |
| 23130    | Y    | \$19.47 |
| 23140    | Z    | \$19.73 |

Continued Type 100-BN - Wire on page 14

# Jobber Length, Mechanic & Screw Machine Length Drills

TiN Coated, Magnum Super Premium

## TiN Coated - General Purpose

Type 100-BN 118° Point

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 47790    | 1    | \$6.99 |
| 47800    | 2    | \$6.99 |
| 47810    | 3    | \$6.73 |
| 47820    | 4    | \$6.73 |
| 47830    | 5    | \$6.73 |
| 47840    | 6    | \$6.73 |
| 47850    | 7    | \$6.73 |
| 47860    | 8    | \$6.41 |
| 47870    | 9    | \$6.41 |
| 47880    | 10   | \$6.35 |
| 47890    | 11   | \$6.15 |
| 47900    | 12   | \$6.15 |
| 47910    | 13   | \$4.75 |
| 47920    | 14   | \$4.75 |
| 47930    | 15   | \$4.75 |
| 47940    | 16   | \$4.75 |
| 47950    | 17   | \$4.75 |
| 47960    | 18   | \$4.43 |
| 47970    | 19   | \$4.43 |
| 47980    | 20   | \$4.43 |
| 47990    | 21   | \$4.29 |
| 48000    | 22   | \$4.29 |
| 48010    | 23   | \$4.26 |
| 48020    | 24   | \$4.26 |
| 48030    | 25   | \$4.17 |
| 48040    | 26   | \$4.17 |
| 48050    | 27   | \$4.17 |
| 48060    | 28   | \$3.97 |
| 48070    | 29   | \$3.97 |
| 48080    | 30   | \$3.97 |
| 48090    | 31   | \$3.48 |
| 48100    | 32   | \$3.48 |
| 48110    | 33   | \$3.48 |
| 48120    | 34   | \$3.48 |
| 48130    | 35   | \$3.48 |
| 48140    | 36   | \$3.48 |
| 48150    | 37   | \$3.48 |
| 48160    | 38   | \$3.48 |
| 48170    | 39   | \$3.48 |
| 48180    | 40   | \$3.48 |
| 48190    | 41   | \$3.48 |
| 48200    | 42   | \$3.48 |
| 48210    | 43   | \$3.48 |
| 48220    | 44   | \$3.48 |
| 48230    | 45   | \$3.48 |
| 48240    | 46   | \$3.48 |
| 48250    | 47   | \$3.48 |
| 48260    | 48   | \$3.48 |
| 48270    | 49   | \$3.48 |
| 48280    | 50   | \$3.48 |
| 48290    | 51   | \$3.48 |
| 48300    | 52   | \$3.48 |
| 98000    | 53   | \$3.48 |
| 97990    | 54   | \$3.48 |
| 97980    | 55   | \$3.48 |
| 97970    | 56   | \$3.48 |
| 97960    | 57   | \$3.48 |
| 97950    | 58   | \$3.48 |
| 97940    | 59   | \$3.48 |
| 97930    | 60   | \$3.48 |
| 81200    | 61   | \$2.97 |
| 81210    | 62   | \$2.97 |
| 81220    | 63   | \$2.97 |
| 81230    | 64   | \$2.97 |
| 81240    | 65   | \$2.97 |
| 81250    | 66   | \$2.97 |
| 81260    | 67   | \$2.97 |
| 81270    | 68   | \$3.05 |
| 81280    | 69   | \$3.19 |
| 81290    | 70   | \$3.19 |
| 81300    | 71   | \$3.71 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 81310    | 72   | \$3.71 |
| 81320    | 73   | \$3.71 |
| 81330    | 74   | \$3.71 |
| 81340    | 75   | \$3.71 |
| 81350    | 76   | \$3.71 |
| 81360    | 77   | \$3.71 |
| 81370    | 78   | \$3.71 |
| 81380    | 79   | \$4.29 |
| 81390    | 80   | \$4.29 |

### Type 100-BN Sets

TiN Coated - 118° Point

| Part No. | Size   | Price    |
|----------|--------|----------|
| 48310    | BN-13  | \$67.63  |
| 48320    | BN-15  | \$167.55 |
| 48330    | BN-29  | \$317.58 |
| 48340    | BN-60  | \$271.02 |
| 48350    | BN-115 | \$980.31 |

## Mechanic Length Drills

Type 175-AG

Magnum Super Premium

3-Flats on Shank - 135° Split Point

- Special Hi-Molybdenum tool steel.
- 135° split point for fast penetration and accurate starting without center punch.
- Precision ground point, flutes, body, clearance and drill diameter for the ultimate in accuracy and performance



| 3-Flats on Shank |       |         |
|------------------|-------|---------|
| Part No.         | Size  | Price   |
| 22860            | 1/16  | \$1.33  |
| 22870            | 5/64  | \$1.38  |
| 22880            | 3/32  | \$1.40  |
| 86950            | 7/64  | \$1.49  |
| 86960            | 1/8   | \$1.78  |
| 86970            | 9/64  | \$1.80  |
| 86980            | 5/32  | \$1.92  |
| 86990            | 11/64 | \$2.00  |
| 87000            | 3/16  | \$2.63  |
| 87010            | 13/64 | \$2.90  |
| 87020            | 7/32  | \$2.97  |
| 87030            | 15/64 | \$3.19  |
| 87040            | 1/4   | \$3.59  |
| 87050            | 17/64 | \$4.18  |
| 87060            | 9/32  | \$4.45  |
| 87070            | 19/64 | \$4.96  |
| 87080            | 5/16  | \$5.23  |
| 87090            | 21/64 | \$5.59  |
| 87100            | 11/32 | \$7.14  |
| 87110            | 23/64 | \$7.91  |
| 87120            | 3/8   | \$8.15  |
| 87130            | 25/64 | \$9.32  |
| 87140            | 13/32 | \$9.63  |
| 87150            | 27/64 | \$10.67 |
| 87160            | 7/16  | \$11.05 |
| 87170            | 29/64 | \$12.41 |
| 87180            | 15/32 | \$13.19 |
| 87190            | 31/64 | \$14.01 |
| 87200            | 1/2   | \$14.22 |

| Carded                |       |        | Type 175-AG |       |         |
|-----------------------|-------|--------|-------------|-------|---------|
| Part No.              | Size  | Price  | Part No.    | Size  | Price   |
| 22867                 | 1/16  | \$4.38 | 87057       | 17/64 | \$4.70  |
| 22877                 | 5/64  | \$4.53 | 87067       | 9/32  | \$4.96  |
| 22887                 | 3/32  | \$4.60 | 87077       | 19/64 | \$5.49  |
| 86957                 | 7/64  | \$4.87 | 87087       | 5/16  | \$5.74  |
| 86967                 | 1/8   | \$5.72 | 87097       | 21/64 | \$6.11  |
| (3 per card thru 1/8) |       |        | 87107       | 11/32 | \$7.65  |
| 86977                 | 9/64  | \$4.05 | 87117       | 23/64 | \$8.42  |
| 86987                 | 5/32  | \$4.28 | 87127       | 3/8   | \$8.79  |
| 86997                 | 11/64 | \$4.43 | 87137       | 25/64 | \$9.99  |
| 87007                 | 3/16  | \$5.72 | 87147       | 13/32 | \$10.30 |
| 87017                 | 13/64 | \$6.23 | 87157       | 27/64 | \$11.32 |
| 87027                 | 7/32  | \$6.38 | 87167       | 7/16  | \$11.69 |
| 87037                 | 15/64 | \$6.84 | 87177       | 29/64 | \$13.07 |
| 87047                 | 1/4   | \$7.61 | 87187       | 15/32 | \$13.83 |
| (2 per card thru 1/4) |       |        | 87197       | 31/64 | \$14.66 |
|                       |       |        | 87207       | 1/2   | \$14.85 |

## Type 175-AG Sets/Displays

Mechanic Length - Black & Gold

Magnum Super Premium 3-Flats on

Shank 3/16 & Larger 135° Split Point

| Part # | Size                        | Price    |
|--------|-----------------------------|----------|
| 66460  | SPM-13                      | \$35.85  |
| 66470  | SPM-15                      | \$101.64 |
| 57810  | SPM-21                      | \$89.90  |
| 66480  | SPM-29                      | \$184.78 |
| 66820  | SPM-29P (Black Ultra Dex)   | \$187.15 |
| 67650  | SPM-29PO (Orange Ultra Dex) | \$187.15 |

### 300 Piece Countertop Displays

| Part # | Size   | Price      |
|--------|--------|------------|
| 57640  | 300SPM | \$1,160.65 |

### Fractional Drills - 96 Piece Assortment

| Part # | Size   | Price    |
|--------|--------|----------|
| 37270  | 96-SPM | \$514.58 |

## Display Packages

Type 175-AG

Mechanic Length Drills

Magnum Super Premium

Super premium drills in attractive, strong selling displays. The complete super premium drill feature/benefit story is printed on the cards. Display prices are 15% lower than the combined prices of individual drills. 1/16 thru 1/8 sizes are packed 3 per card and 9/64 thru 1/4 are packed 2 per card. 175-AG drills with flattened reduced shanks are used where indicated.



| Display No. DC145SP |         |          |
|---------------------|---------|----------|
| Part No.            | Size    | Price    |
| 81651               | DC145SP | \$438.10 |

| Display No. DC116SP |         |          |
|---------------------|---------|----------|
| Part No.            | Size    | Price    |
| 81631               | DC116SP | \$393.00 |

| Display No. DC72SP |        |          |
|--------------------|--------|----------|
| Part No.           | Size   | Price    |
| 81641              | DC72SP | \$231.94 |

## Mechanic Length Drills

## Type 178-AG

**3/8" Reduced Shank  
3-Flats on Shank - 135° Split Point  
Magnum Super Premium**

Drill is a Type 175-AG with a 3/8" reduced shank.

- Special Hi-Molybdenum tool steel.
- 135° split point for fast penetration and accurate starting without center punch.



## 3-Flats on Shank - 3/8" Shank

| Part No. | Size  | Price   |
|----------|-------|---------|
| 81560    | 13/32 | \$12.66 |
| 81570    | 27/64 | \$13.41 |
| 81580    | 7/16  | \$13.80 |
| 81590    | 29/64 | \$15.18 |
| 81600    | 15/32 | \$15.93 |
| 81610    | 31/64 | \$16.77 |
| 81620    | 1/2   | \$16.97 |

| Carded Part No. | Size  | Type 178-AG Price |
|-----------------|-------|-------------------|
| 81567           | 13/32 | \$13.60           |
| 81577           | 27/64 | \$14.34           |
| 81587           | 7/16  | \$14.34           |
| 81597           | 29/64 | \$16.04           |
| 81607           | 15/32 | \$16.88           |
| 81617           | 31/64 | \$17.71           |
| 81627           | 1/2   | \$17.92           |

## Type 178-AG Sets/Displays

**3/8" Reduced Shank  
3-Flats on Shank - 135° Split Point  
Magnum Super Premium**

| Part # | Size                         | Price    |
|--------|------------------------------|----------|
| 57910  | RSPM-15                      | \$109.80 |
| 92340  | SPM-21R                      | \$124.89 |
| 57920  | RSPM-29                      | \$200.91 |
| 57950  | RSPM-29P (Black Ultra Dex)   | \$203.26 |
| 58150  | RSPM-29PO (Orange Ultra Dex) | \$203.26 |

## 300 Piece Assortments

| Part # | Size    | Price      |
|--------|---------|------------|
| 57641  | 300RSPM | \$1,261.46 |

## Fractional Drills - 96 Piece Assortment

| Part # | Size   | Price    |
|--------|--------|----------|
| 37271  | 96RSPM | \$561.15 |

## Type QR-AG

## 1/4" Hex Shank

**Quick Release Drills - 135° Split Pt.  
- Magnum Super Premium**

Drill is a Type 175-AG with a quick release shank.

- Special Hi-Molybdenum tool steel.
- 135° split point for fast penetration and accurate starting without center punch.
- Body & clearance treated for maximum lubricity.
- Especially designed for hand held drills.
- Adaptor eases changing of cutting tools.
- 6 per pack thru 1/4
- 3 per pack 9/32 thru 1/2



Jobber, screw & mechanics drills #97 thru 9/32 thru L = 12 per pack. 19/64 thru 1/2 & thru Z = 6 per pack. Over 1/2 = 1 per pack.

## Type QR-AG

## 1/4" Hex Shank

**Quick Release Drills - 135° Split Point**

## QR-AG 1/4" Hex Shank

| Part No. | Size                  | Price   |
|----------|-----------------------|---------|
| 34501    | 1/16                  | \$4.89  |
| 34521    | 3/32                  | \$4.89  |
| 34541    | 1/8                   | \$4.49  |
| 34561    | 5/32                  | \$5.01  |
| 34581    | 3/16                  | \$5.62  |
| 34611    | 7/32                  | \$7.12  |
| 34631    | 1/4                   | \$7.64  |
| 34651    | 9/32                  | \$7.39  |
| 34671    | 5/16                  | \$7.62  |
| 34691    | 11/32                 | \$8.10  |
| 34711    | 3/8                   | \$8.75  |
| 34731    | 13/32                 | \$10.11 |
| 34751    | 7/16                  | \$11.83 |
| 34771    | 15/32                 | \$12.56 |
| 34791    | 1/2                   | \$14.01 |
| 34801    | Quick Release Adaptor | \$16.19 |

| Carded Part No. | Size                  | QR-AG 1/4" Hex Shank Price |
|-----------------|-----------------------|----------------------------|
| 34507           | 1/16 (2 per card)     | \$10.22                    |
| 34527           | 3/32 (2 per card)     | \$10.22                    |
| 34547           | 1/8 (2 per card)      | \$9.41                     |
| 34567           | 5/32 (2 per card)     | \$10.45                    |
| 34587           | 3/16 (2 per card)     | \$11.76                    |
| 34617           | 7/32 (1 per card)     | \$7.45                     |
| 34637           | 1/4 (1 per card)      | \$7.98                     |
| 34657           | 9/32 (1 per card)     | \$7.73                     |
| 34677           | 5/16 (1 per card)     | \$7.95                     |
| 34697           | 11/32 (1 per card)    | \$8.46                     |
| 34717           | 3/8 (1 per card)      | \$9.16                     |
| 34737           | 13/32 (1 per card)    | \$10.57                    |
| 34757           | 7/16 (1 per card)     | \$12.37                    |
| 34777           | 15/32 (1 per card)    | \$13.13                    |
| 34797           | 1/2 (1 per card)      | \$14.63                    |
| 34807           | Quick Release Adaptor | \$16.91                    |

## Type QR-AG Sets

**1/4" Hex Shank - Quick Release  
Drills 135° Split Point.  
Magnum Super Premium**

| QR 12-AG |                                                                  | Hard Case - Index |
|----------|------------------------------------------------------------------|-------------------|
| Part No. | Size                                                             | Price             |
| 34811    | 1/16, 3/32, 1/8, 5/32,                                           | \$118.45          |
|          | 3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2<br>& Quick Release Adaptor |                   |

| QR 16-AG |                                                                                                                          | Soft Pouch - Index |
|----------|--------------------------------------------------------------------------------------------------------------------------|--------------------|
| Part No. | Size                                                                                                                     | Price              |
| 34812    | 1/16, 3/32, 1/8, 5/32,<br>3/16, 7/32, 1/4, 9/32, 5/16,<br>11/32, 3/8, 13/32, 7/16, 15/32, 1/2<br>& Quick Release Adaptor | \$156.61           |

| QR 7A-AG                                                  |                                          | Soft Pouch - Index |
|-----------------------------------------------------------|------------------------------------------|--------------------|
| Part No.                                                  | Size                                     | Price              |
| 34803                                                     | 1/16, 3/32, 1/8, 5/32<br>3/16, 7/32, 1/4 | \$52.48            |
| Sets QR-7A and QR-7B do not include Quick Release Adaptor |                                          |                    |

| QR 7B-AG                                                  |                                        | Soft Pouch - Index |
|-----------------------------------------------------------|----------------------------------------|--------------------|
| Part No.                                                  | Size                                   | Price              |
| 34804                                                     | 1/8, 3/16, 1/4, 5/16<br>3/8, 7/16, 1/2 | \$72.78            |
| Sets QR-7A and QR-7B do not include Quick Release Adaptor |                                        |                    |

## Type 191

**V-line - Black Oxide CAD-HD Series  
135° Split Point**

Advances in drill making technology allow us to make excellent drills for those very price sensitive portions of the business. The mechanic length yields a sturdier drill w/ less flexing. This resistance to flexing provide longer life than other drills in many applications.



| CAD-HD Part No. | Size  | Price   |
|-----------------|-------|---------|
| 04492           | 1/16  | \$1.33  |
| 04502           | 5/64  | \$1.33  |
| 04512           | 3/32  | \$1.33  |
| 04522           | 7/64  | \$1.23  |
| 04532           | 1/8   | \$1.40  |
| 04542           | 9/64  | \$1.49  |
| 04552           | 5/32  | \$1.59  |
| 04562           | 11/64 | \$1.64  |
| 04572           | 3/16  | \$1.97  |
| 04582           | 13/64 | \$2.17  |
| 04592           | 7/32  | \$2.23  |
| 04602           | 15/64 | \$2.39  |
| 04612           | 1/4   | \$2.60  |
| 04622           | 17/64 | \$3.25  |
| 04632           | 9/32  | \$3.44  |
| 04642           | 19/64 | \$3.91  |
| 04652           | 5/16  | \$4.14  |
| 04662           | 21/64 | \$4.38  |
| 04672           | 11/32 | \$5.15  |
| 04682           | 23/64 | \$5.49  |
| 04692           | 3/8   | \$5.98  |
| 04702           | 25/64 | \$6.51  |
| 04712           | 13/32 | \$6.89  |
| 04722           | 27/64 | \$7.19  |
| 04732           | 7/16  | \$8.07  |
| 04742           | 29/64 | \$8.88  |
| 04752           | 15/32 | \$9.44  |
| 04762           | 31/64 | \$9.72  |
| 04772           | 1/2   | \$10.00 |

## Type 191 Sets CAD-HD

**V-line - Black Oxide CAD-HD Series  
135° Split Point**

| Part No. | Size    | Price    |
|----------|---------|----------|
| 43342    | CAD-13A | \$28.94  |
| 43352    | CAD-15A | \$78.41  |
| 43362    | CAD-21A | \$70.98  |
| 43382    | CAD-29A | \$141.45 |

## Type 135-AG

**Magnum Super Premium  
135° Split Point - Gold Surface**

Special Hi-Moybdenum tool steel. Gold surface treated body and clearance for maximum lubricity. Heavy-duty construction, 135° split point, no center punch needed - will not walk.



| Fractional Part No. | Size  | Price  |
|---------------------|-------|--------|
| 87710               | 1/16  | \$1.33 |
| 87720               | 5/64  | \$1.38 |
| 87730               | 3/32  | \$1.40 |
| 87740               | 7/64  | \$1.49 |
| 87750               | 1/8   | \$1.59 |
| 87760               | 9/64  | \$1.63 |
| 87770               | 5/32  | \$1.79 |
| 87780               | 11/64 | \$1.99 |
| 87790               | 3/16  | \$2.06 |
| 87800               | 13/64 | \$2.21 |
| 87810               | 7/32  | \$2.61 |
| 87820               | 15/64 | \$2.62 |
| 87830               | 1/4   | \$2.80 |

Continued Type 135-AG on page 16.

# Screw Machine Length Drills

Price List

## Magnum Super Premium, Heavy-Duty

### Screw Machine Length Drills

#### Type 135-AG NAS 907C

| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 87840      | 17/64 | \$3.25  |
| 87850      | 9/32  | \$3.52  |
| 87860      | 19/64 | \$3.74  |
| 87870      | 5/16  | \$4.10  |
| 87880      | 21/64 | \$4.42  |
| 87890      | 11/32 | \$4.99  |
| 87900      | 23/64 | \$5.81  |
| 87910      | 3/8   | \$6.10  |
| 87920      | 25/64 | \$6.86  |
| 87930      | 13/32 | \$7.25  |
| 87940      | 27/64 | \$7.88  |
| 87950      | 7/16  | \$8.06  |
| 87960      | 29/64 | \$9.55  |
| 87970      | 15/32 | \$10.15 |
| 87980      | 31/64 | \$10.43 |
| 87990      | 1/2   | \$10.43 |
| 88000      | 33/64 | \$23.85 |
| 88010      | 17/32 | \$24.92 |
| 88020      | 35/64 | \$25.98 |
| 88030      | 9/16  | \$25.98 |
| 88040      | 37/64 | \$29.74 |
| 88050      | 19/32 | \$29.74 |
| 88060      | 39/64 | \$29.81 |
| 88070      | 5/8   | \$30.02 |
| 88080      | 41/64 | \$34.38 |
| 88090      | 21/32 | \$38.21 |
| 89210      | 43/64 | \$34.38 |
| 89220      | 11/16 | \$38.21 |
| 89230      | 45/64 | \$41.36 |
| 89240      | 23/32 | \$41.36 |
| 89250      | 47/64 | \$44.53 |
| 89260      | 3/4   | \$43.73 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 87600    | 1    | \$3.05 |
| 87590    | 2    | \$3.05 |
| 87580    | 3    | \$2.78 |
| 87570    | 4    | \$2.78 |
| 87560    | 5    | \$2.78 |
| 87550    | 6    | \$2.78 |
| 87540    | 7    | \$2.48 |
| 87530    | 8    | \$2.48 |
| 87520    | 9    | \$2.48 |
| 87510    | 10   | \$2.48 |
| 87500    | 11   | \$2.48 |
| 87490    | 12   | \$2.48 |
| 87480    | 13   | \$2.31 |
| 87470    | 14   | \$2.31 |
| 87460    | 15   | \$2.31 |
| 87450    | 16   | \$2.31 |
| 87440    | 17   | \$2.31 |
| 87430    | 18   | \$2.07 |
| 87420    | 19   | \$2.07 |
| 87410    | 20   | \$2.07 |
| 87400    | 21   | \$1.98 |
| 87390    | 22   | \$1.98 |
| 87380    | 23   | \$1.98 |
| 87370    | 24   | \$1.98 |
| 87360    | 25   | \$1.89 |
| 87350    | 26   | \$1.89 |
| 87340    | 27   | \$1.89 |
| 87330    | 28   | \$1.69 |
| 87320    | 29   | \$1.69 |
| 87310    | 30   | \$1.69 |
| 87300    | 31   | \$1.64 |
| 87290    | 32   | \$1.64 |
| 87280    | 33   | \$1.64 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 87270    | 34   | \$1.64 |
| 87260    | 35   | \$1.62 |
| 87250    | 36   | \$1.62 |
| 87240    | 37   | \$1.62 |
| 87230    | 38   | \$1.62 |
| 87220    | 39   | \$1.62 |
| 87210    | 40   | \$1.62 |
| 23360    | 41   | \$1.62 |
| 23370    | 42   | \$1.62 |
| 23380    | 43   | \$1.62 |
| 23390    | 44   | \$1.62 |
| 23400    | 45   | \$1.62 |
| 23410    | 46   | \$1.62 |
| 23420    | 47   | \$1.62 |
| 23430    | 48   | \$1.62 |
| 23440    | 49   | \$1.62 |
| 23450    | 50   | \$1.62 |
| 23460    | 51   | \$1.62 |
| 23470    | 52   | \$1.62 |
| 23480    | 53   | \$1.62 |
| 23490    | 54   | \$1.62 |
| 23500    | 55   | \$1.62 |
| 23510    | 56   | \$1.62 |
| 23520    | 57   | \$1.62 |
| 23530    | 58   | \$1.62 |
| 23540    | 59   | \$1.62 |
| 23550    | 60   | \$1.62 |

| Letter   |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 23601    | A    | \$3.15  |
| 23611    | B    | \$3.15  |
| 23621    | C    | \$3.15  |
| 23631    | D    | \$3.15  |
| 23641    | E    | \$2.80  |
| 23651    | F    | \$3.45  |
| 23661    | G    | \$3.65  |
| 23671    | H    | \$3.65  |
| 23681    | I    | \$3.65  |
| 23691    | J    | \$3.90  |
| 23701    | K    | \$4.21  |
| 23711    | L    | \$4.21  |
| 23721    | M    | \$4.64  |
| 23731    | N    | \$4.64  |
| 23741    | O    | \$4.64  |
| 23751    | P    | \$5.12  |
| 23761    | Q    | \$5.12  |
| 23771    | R    | \$5.12  |
| 23781    | S    | \$5.87  |
| 23791    | T    | \$6.89  |
| 23801    | U    | \$6.89  |
| 23811    | V    | \$7.39  |
| 23821    | W    | \$7.69  |
| 23831    | X    | \$9.00  |
| 23841    | Y    | \$10.69 |
| 23851    | Z    | \$10.69 |

#### Type 135-AG Sets

#### Screw Machine Length 135° Split Point - Black & Gold Magnum Super Premium

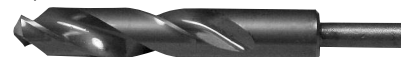
| Part No. | Size   | Price    |
|----------|--------|----------|
| 66850    | SPT-26 | \$186.65 |
| 66490    | SPT-29 | \$158.13 |
| 23560    | SPT-60 | \$140.77 |

#### Type 125

#### 1/4" Shank - 135° Split Point

#### Heavy-Duty - High-Speed Steel

This high-speed steel drill is recommended for "punch" drilling in hard, tough sheet metal applications where quick and accurately located holes are required.



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 22410      | 17/64 | \$4.17  |
| 22420      | 9/32  | \$4.17  |
| 22430      | 19/64 | \$4.98  |
| 22440      | 5/16  | \$4.98  |
| 22450      | 21/64 | \$5.69  |
| 22460      | 11/32 | \$5.69  |
| 22470      | 23/64 | \$6.71  |
| 22480      | 3/8   | \$6.71  |
| 22490      | 25/64 | \$8.26  |
| 22500      | 13/32 | \$8.26  |
| 22510      | 27/64 | \$9.54  |
| 22520      | 7/16  | \$9.54  |
| 22530      | 29/64 | \$10.89 |
| 22540      | 15/32 | \$10.89 |
| 22550      | 31/64 | \$12.02 |
| 22560      | 1/2   | \$12.02 |

| Carded   | Type 125 | Heavy Duty HSS |
|----------|----------|----------------|
| Part No. | Size     | Price          |
| 22417    | 17/64    | \$4.55         |
| 22427    | 9/32     | \$4.55         |
| 22437    | 19/64    | \$5.38         |
| 22447    | 5/16     | \$5.38         |
| 22457    | 21/64    | \$6.15         |
| 22467    | 11/32    | \$6.15         |
| 22477    | 23/64    | \$7.17         |
| 22487    | 3/8      | \$7.17         |
| 22497    | 25/64    | \$8.69         |
| 22507    | 13/32    | \$8.69         |
| 22517    | 27/64    | \$9.96         |
| 22527    | 7/16     | \$9.96         |
| 22537    | 29/64    | \$11.31        |
| 22547    | 15/32    | \$11.31        |
| 22557    | 31/64    | \$12.39        |
| 22567    | 1/2      | \$12.39        |

#### Type 135 NAS 907C

#### Heavy-Duty 135° Split Point - Black Oxide

A sturdy drill for use in portable power drilling. Accurate centering, fast penetration. Ideal for sheet metal work.

**NOTE:** Sizes smaller than #52 are not split pointed. For bright finish see Type 260-TW on page 14.



| Fractional |       |        |
|------------|-------|--------|
| Part No.   | Size  | Price  |
| 25560      | 1/16  | \$1.32 |
| 25570      | 5/64  | \$1.32 |
| 25580      | 3/32  | \$1.32 |
| 25590      | 7/64  | \$1.32 |
| 25600      | 1/8   | \$1.32 |
| 25610      | 9/64  | \$1.47 |
| 25620      | 5/32  | \$1.52 |
| 25630      | 11/64 | \$1.68 |
| 25640      | 3/16  | \$1.94 |
| 25650      | 13/64 | \$2.05 |
| 25660      | 7/32  | \$2.36 |
| 25670      | 15/64 | \$2.54 |
| 25680      | 1/4   | \$2.80 |
| 25690      | 17/64 | \$3.25 |
| 25700      | 9/32  | \$3.52 |
| 25710      | 19/64 | \$3.74 |

Continued Type 135 on page 17

## Screw Machine Length Drills

## Type 135 NAS 907C

| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 25720      | 5/16  | \$4.10  |
| 25730      | 21/64 | \$4.42  |
| 25740      | 11/32 | \$4.99  |
| 25750      | 23/64 | \$5.81  |
| 25760      | 3/8   | \$6.10  |
| 25770      | 25/64 | \$6.86  |
| 25780      | 13/32 | \$7.25  |
| 25790      | 27/64 | \$7.88  |
| 25800      | 7/16  | \$8.06  |
| 25810      | 29/64 | \$9.55  |
| 25820      | 15/32 | \$10.15 |
| 25830      | 31/64 | \$10.43 |
| 25840      | 1/2   | \$10.43 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 25850    | 1    | \$2.78 |
| 25860    | 2    | \$2.78 |
| 25870    | 3    | \$2.78 |
| 25880    | 4    | \$2.78 |
| 25890    | 5    | \$2.78 |
| 25900    | 6    | \$2.78 |
| 25910    | 7    | \$2.25 |
| 25920    | 8    | \$2.25 |
| 25930    | 9    | \$2.25 |
| 25940    | 10   | \$2.25 |
| 25960    | 11   | \$2.25 |
| 25970    | 12   | \$2.25 |
| 25980    | 13   | \$2.05 |
| 25990    | 14   | \$2.05 |
| 26000    | 15   | \$2.05 |
| 26010    | 16   | \$2.05 |
| 26020    | 17   | \$2.05 |
| 26030    | 18   | \$1.78 |
| 26040    | 19   | \$1.78 |
| 26050    | 20   | \$1.78 |
| 26060    | 21   | \$1.68 |
| 26070    | 22   | \$1.68 |
| 26080    | 23   | \$1.68 |
| 26090    | 24   | \$1.68 |
| 26100    | 25   | \$1.68 |
| 26110    | 26   | \$1.68 |
| 26120    | 27   | \$1.68 |
| 26130    | 28   | \$1.47 |
| 26140    | 29   | \$1.47 |
| 26150    | 30   | \$1.47 |
| 26160    | 31   | \$1.37 |
| 26170    | 32   | \$1.37 |
| 26180    | 33   | \$1.37 |
| 26190    | 34   | \$1.37 |
| 26200    | 35   | \$1.32 |
| 26210    | 36   | \$1.32 |
| 26220    | 37   | \$1.32 |
| 26230    | 38   | \$1.32 |
| 26240    | 39   | \$1.32 |
| 26250    | 40   | \$1.32 |
| 26260    | 41   | \$1.32 |
| 26270    | 42   | \$1.32 |
| 26280    | 43   | \$1.32 |
| 26290    | 44   | \$1.32 |
| 26300    | 45   | \$1.32 |
| 26310    | 46   | \$1.32 |
| 26320    | 47   | \$1.32 |
| 26330    | 48   | \$1.32 |
| 26340    | 49   | \$1.32 |
| 26350    | 50   | \$1.32 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 26360    | 51   | \$1.32 |
| 26370    | 52   | \$1.32 |
| 26380    | 53   | \$1.46 |
| 26390    | 54   | \$1.46 |
| 26400    | 55   | \$1.46 |
| 26410    | 56   | \$1.46 |
| 26420    | 57   | \$1.48 |
| 26430    | 58   | \$1.48 |
| 26440    | 59   | \$1.48 |
| 26450    | 60   | \$1.48 |

## Type 135 Sets

## 135° Split Point, Black Oxide Heavy Duty

| Part No. | Size | Price    |
|----------|------|----------|
| 43660    | T-10 | \$23.78  |
| 43670    | T-11 | \$45.79  |
| 43690    | T-13 | \$30.35  |
| 43710    | T-21 | \$76.01  |
| 43730    | T-29 | \$154.73 |
| 43750    | T-60 | \$114.99 |

## Type 260-TW NAS 907C

## Heavy-Duty - 135° Split Point

## Bright Finish

A sturdy drill for use in portable power drilling.

Accurate centering, fast penetration. Ideal for sheet metal work. Polished Finish

**NOTE:** Sizes smaller than #52 are not split pointed.



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 52240      | 1/16  | \$1.32  |
| 52250      | 5/64  | \$1.32  |
| 52260      | 3/32  | \$1.32  |
| 52270      | 7/64  | \$1.32  |
| 52280      | 1/8   | \$1.32  |
| 52290      | 9/64  | \$1.47  |
| 52300      | 5/32  | \$1.52  |
| 52310      | 11/64 | \$1.68  |
| 52320      | 3/16  | \$2.18  |
| 52330      | 13/64 | \$2.30  |
| 52340      | 7/32  | \$2.78  |
| 52350      | 15/64 | \$2.80  |
| 52360      | 1/4   | \$2.99  |
| 52370      | 17/64 | \$3.44  |
| 52380      | 9/32  | \$3.75  |
| 52390      | 19/64 | \$4.00  |
| 52400      | 5/16  | \$4.30  |
| 52410      | 21/64 | \$4.71  |
| 52420      | 11/32 | \$5.34  |
| 52430      | 23/64 | \$6.17  |
| 52440      | 3/8   | \$6.49  |
| 52450      | 25/64 | \$7.29  |
| 52460      | 13/32 | \$7.56  |
| 52470      | 27/64 | \$8.30  |
| 52480      | 7/16  | \$8.51  |
| 52490      | 29/64 | \$9.99  |
| 52500      | 15/32 | \$10.48 |
| 52510      | 31/64 | \$10.89 |
| 52520      | 1/2   | \$10.89 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 52530    | 1    | \$3.01 |
| 52540    | 2    | \$3.01 |
| 52550    | 3    | \$2.82 |
| 52560    | 4    | \$2.82 |
| 52570    | 5    | \$2.82 |
| 52580    | 6    | \$2.82 |
| 52590    | 7    | \$2.44 |
| 52600    | 8    | \$2.44 |
| 52610    | 9    | \$2.44 |
| 52620    | 10   | \$2.44 |
| 52630    | 11   | \$2.44 |
| 52640    | 12   | \$2.44 |
| 52650    | 13   | \$2.44 |
| 52660    | 14   | \$2.44 |
| 52670    | 15   | \$2.44 |
| 52680    | 16   | \$2.44 |
| 52690    | 17   | \$2.44 |
| 52700    | 18   | \$2.04 |
| 52710    | 19   | \$2.04 |
| 52720    | 20   | \$2.04 |
| 52730    | 21   | \$1.95 |
| 52740    | 22   | \$1.95 |
| 52750    | 23   | \$1.95 |
| 52760    | 24   | \$1.95 |
| 52770    | 25   | \$1.87 |
| 52780    | 26   | \$1.87 |
| 52790    | 27   | \$1.87 |
| 52800    | 28   | \$1.74 |
| 52810    | 29   | \$1.74 |
| 52820    | 30   | \$1.74 |
| 52830    | 31   | \$1.69 |
| 52840    | 32   | \$1.69 |
| 52850    | 33   | \$1.69 |
| 52860    | 34   | \$1.69 |
| 52870    | 35   | \$1.69 |
| 52880    | 36   | \$1.69 |
| 52890    | 37   | \$1.69 |
| 52900    | 38   | \$1.69 |
| 52910    | 39   | \$1.69 |
| 52920    | 40   | \$1.69 |
| 52930    | 41   | \$1.69 |
| 52940    | 42   | \$1.69 |
| 52950    | 43   | \$1.69 |
| 52960    | 44   | \$1.69 |
| 52970    | 45   | \$1.69 |
| 52980    | 46   | \$1.69 |
| 52990    | 47   | \$1.69 |
| 53000    | 48   | \$1.69 |
| 53010    | 49   | \$1.69 |
| 53020    | 50   | \$1.69 |
| 53030    | 51   | \$1.69 |
| 53040    | 52   | \$1.69 |
| 53050    | 53   | \$1.69 |
| 53060    | 54   | \$1.69 |
| 53070    | 55   | \$1.69 |
| 53080    | 56   | \$1.69 |
| 53090    | 57   | \$1.69 |
| 53100    | 58   | \$1.69 |
| 53110    | 59   | \$1.69 |
| 53120    | 60   | \$1.69 |

Proudly Manufactured in the U.S.A.

Order: 1-800-328-4655

## HSS - General Purpose

### Screw Machine Length Drills

#### Type 260

**HSS - General Purpose - 118° point - Short Length**

**Bright-Flute® thru 3/4" diameter.**

**Surface treated flutes over 3/4" diameter.**

The short length of drill and flute makes this an especially rigid drill for greater drilling accuracy. Can be used for all screw machine operation. This drill is designed for ease of penetration and to facilitate chip removal in tough, hard materials



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 23860      | 3/64  | \$1.57  |
| 23870      | 1/16  | \$1.51  |
| 23880      | 5/64  | \$1.51  |
| 23890      | 3/32  | \$1.51  |
| 23900      | 7/64  | \$1.51  |
| 23910      | 1/8   | \$1.51  |
| 23920      | 9/64  | \$1.53  |
| 23930      | 5/32  | \$1.69  |
| 23940      | 11/64 | \$1.87  |
| 23950      | 3/16  | \$1.97  |
| 23960      | 13/64 | \$2.05  |
| 23970      | 7/32  | \$2.48  |
| 23980      | 15/64 | \$2.50  |
| 23990      | 1/4   | \$2.62  |
| 24000      | 17/64 | \$3.13  |
| 24010      | 9/32  | \$3.38  |
| 24020      | 19/64 | \$3.59  |
| 24030      | 5/16  | \$3.90  |
| 24040      | 21/64 | \$4.22  |
| 24050      | 11/32 | \$4.80  |
| 24060      | 23/64 | \$5.57  |
| 24070      | 3/8   | \$5.84  |
| 24080      | 25/64 | \$6.57  |
| 24090      | 13/32 | \$6.97  |
| 24100      | 27/64 | \$7.56  |
| 24110      | 7/16  | \$7.72  |
| 24120      | 29/64 | \$9.16  |
| 24130      | 15/32 | \$9.75  |
| 24140      | 31/64 | \$10.02 |
| 24150      | 1/2   | \$10.02 |
| 24160      | 33/64 | \$22.86 |
| 24170      | 17/32 | \$23.88 |
| 24180      | 35/64 | \$24.90 |
| 24190      | 9/16  | \$24.90 |
| 24200      | 37/64 | \$28.50 |
| 24210      | 19/32 | \$28.50 |
| 24220      | 39/64 | \$29.86 |
| 24230      | 5/8   | \$28.78 |
| 24240      | 41/64 | \$32.96 |
| 24250      | 21/32 | \$36.64 |
| 24260      | 43/64 | \$32.96 |
| 24270      | 11/16 | \$36.64 |
| 24280      | 45/64 | \$39.67 |
| 24290      | 23/32 | \$39.67 |
| 24300      | 47/64 | \$42.67 |
| 24310      | 3/4   | \$41.91 |
| 24320      | 49/64 | \$45.70 |
| 24330      | 25/32 | \$45.70 |
| 24340      | 51/64 | \$48.85 |
| 24350      | 13/16 | \$48.10 |
| 24360      | 53/64 | \$51.01 |
| 24370      | 27/32 | \$51.01 |
| 24380      | 55/64 | \$52.75 |

| Fractional (continued) |         |          |
|------------------------|---------|----------|
| Part No.               | Size    | Price    |
| 24390                  | 7/8     | \$52.36  |
| 24400                  | 57/64   | \$54.77  |
| 24410                  | 29/32   | \$54.77  |
| 24420                  | 59/64   | \$60.43  |
| 24430                  | 15/16   | \$60.43  |
| 24440                  | 61/64   | \$65.63  |
| 24450                  | 31/32   | \$65.63  |
| 24460                  | 63/64   | \$69.54  |
| 24470                  | 1-INCH  | \$67.29  |
| 24480                  | 1-1/16  | \$85.70  |
| 24490                  | 1-1/8   | \$97.08  |
| 24500                  | 1-3/16  | \$112.66 |
| 24510                  | 1-1/4   | \$100.71 |
| 24520                  | 1-5/16  | \$177.17 |
| 24530                  | 1-3/8   | \$188.88 |
| 24540                  | 1-7/16  | \$202.54 |
| 24550                  | 1-1/2   | \$213.50 |
| 24560                  | 1-9/16  | \$241.21 |
| 24570                  | 1-5/8   | \$270.66 |
| 24580                  | 1-11/16 | \$309.46 |
| 24590                  | 1-3/4   | \$320.60 |
| 24600                  | 1-13/16 | \$351.65 |
| 24610                  | 1-7/8   | \$361.74 |
| 24620                  | 1-15/16 | \$383.71 |
| 24630                  | 2-INCH  | \$403.18 |

| Letter   |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 23600    | A    | \$2.97  |
| 23610    | B    | \$2.97  |
| 23620    | C    | \$2.97  |
| 23630    | D    | \$2.97  |
| 23640    | E    | \$2.62  |
| 23650    | F    | \$3.30  |
| 23660    | G    | \$3.49  |
| 23670    | H    | \$3.49  |
| 23680    | I    | \$3.49  |
| 23690    | J    | \$3.74  |
| 23700    | K    | \$4.03  |
| 23710    | L    | \$4.03  |
| 23720    | M    | \$4.44  |
| 23730    | N    | \$4.44  |
| 23740    | O    | \$4.44  |
| 23750    | P    | \$4.91  |
| 23760    | Q    | \$4.91  |
| 23770    | R    | \$4.91  |
| 23780    | S    | \$5.62  |
| 23790    | T    | \$6.61  |
| 23800    | U    | \$6.61  |
| 23810    | V    | \$7.07  |
| 23820    | W    | \$7.38  |
| 23830    | X    | \$8.62  |
| 23840    | Y    | \$10.25 |
| 23850    | Z    | \$10.25 |

Proudly Manufactured in the U.S.A.

| Wire (continued) |      |        |
|------------------|------|--------|
| Part No.         | Size | Price  |
| 24640            | 1    | \$2.62 |
| 24650            | 2    | \$2.62 |
| 24660            | 3    | \$2.50 |
| 24670            | 4    | \$2.50 |
| 24680            | 5    | \$2.50 |
| 24690            | 6    | \$2.50 |
| 24700            | 7    | \$2.03 |
| 24710            | 8    | \$2.03 |
| 24720            | 9    | \$2.03 |
| 24730            | 10   | \$2.03 |
| 24740            | 11   | \$2.01 |
| 24750            | 12   | \$2.03 |
| 24760            | 13   | \$2.03 |
| 24770            | 14   | \$2.03 |
| 24780            | 15   | \$2.03 |
| 24790            | 16   | \$2.03 |
| 24800            | 17   | \$2.03 |
| 24810            | 18   | \$1.84 |
| 24820            | 19   | \$1.84 |
| 24830            | 20   | \$1.84 |
| 24840            | 21   | \$1.69 |
| 24850            | 22   | \$1.69 |
| 24860            | 23   | \$1.69 |
| 24870            | 24   | \$1.69 |
| 24880            | 25   | \$1.69 |
| 24890            | 26   | \$1.64 |
| 24900            | 27   | \$1.64 |
| 24910            | 28   | \$1.51 |
| 24920            | 29   | \$1.51 |
| 24930            | 30   | \$1.51 |
| 24940            | 31   | \$1.48 |
| 24950            | 32   | \$1.48 |
| 24960            | 33   | \$1.48 |
| 24970            | 34   | \$1.48 |
| 24980            | 35   | \$1.48 |
| 24990            | 36   | \$1.48 |
| 25000            | 37   | \$1.48 |
| 25010            | 38   | \$1.48 |
| 25020            | 39   | \$1.48 |
| 25030            | 40   | \$1.48 |
| 25040            | 41   | \$1.48 |
| 25050            | 42   | \$1.48 |
| 25060            | 43   | \$1.48 |
| 25070            | 44   | \$1.48 |
| 25080            | 45   | \$1.48 |
| 25090            | 46   | \$1.48 |
| 25100            | 47   | \$1.48 |
| 25110            | 48   | \$1.48 |
| 25120            | 49   | \$1.48 |
| 25130            | 50   | \$1.48 |
| 25140            | 51   | \$1.48 |
| 25150            | 52   | \$1.48 |
| 25160            | 53   | \$1.48 |
| 25170            | 54   | \$1.48 |
| 25180            | 55   | \$1.48 |
| 25190            | 56   | \$1.48 |
| 25200            | 57   | \$1.48 |
| 25210            | 58   | \$1.48 |
| 25220            | 59   | \$1.48 |
| 25230            | 60   | \$1.48 |

#### Type 260 Sets

**HSS - General Purpose 118° Point Short Length**

| Part No. | Size  | Price    |
|----------|-------|----------|
| 10390    | SM-29 | \$154.10 |
| 35210    | SM-60 | \$130.35 |

## Type 260-D

## M42 Cobalt - HSS 135° Split Point - Gold Finish Heavy-Duty

Heavy-duty 135° split point with gold finish made to aircraft specifications. Use to drill hard, tough metals, free machining stainless steel, titanium alloys and certain abrasive plastics.



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 39800      | 1/16  | \$2.26  |
| 39810      | 5/64  | \$2.26  |
| 39820      | 3/32  | \$2.26  |
| 39830      | 7/64  | \$2.26  |
| 39840      | 1/8   | \$2.35  |
| 39850      | 9/64  | \$2.35  |
| 39860      | 5/32  | \$2.82  |
| 39870      | 11/64 | \$3.25  |
| 39880      | 3/16  | \$3.45  |
| 39890      | 13/64 | \$3.93  |
| 39900      | 7/32  | \$4.61  |
| 39910      | 15/64 | \$4.84  |
| 39920      | 1/4   | \$5.11  |
| 39930      | 17/64 | \$6.09  |
| 39940      | 9/32  | \$6.21  |
| 39950      | 19/64 | \$7.61  |
| 39960      | 5/16  | \$7.76  |
| 39970      | 21/64 | \$9.22  |
| 39980      | 11/32 | \$9.36  |
| 39990      | 23/64 | \$11.12 |
| 40000      | 3/8   | \$11.51 |
| 40010      | 25/64 | \$13.50 |
| 40020      | 13/32 | \$13.90 |
| 40030      | 27/64 | \$15.14 |
| 40040      | 7/16  | \$15.39 |
| 40050      | 29/64 | \$19.25 |
| 40060      | 15/32 | \$19.85 |
| 40070      | 31/64 | \$19.85 |
| 40080      | 1/2   | \$19.68 |
| 51780      | 3/4   | \$50.81 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 40090    | 1    | \$4.87 |
| 40100    | 2    | \$4.87 |
| 40110    | 3    | \$4.52 |
| 40120    | 4    | \$4.52 |
| 40130    | 5    | \$4.52 |
| 40140    | 6    | \$4.52 |
| 40150    | 7    | \$3.72 |
| 40160    | 8    | \$3.72 |
| 40170    | 9    | \$3.72 |
| 40180    | 10   | \$3.72 |
| 40190    | 11   | \$3.66 |
| 40200    | 12   | \$3.66 |
| 40210    | 13   | \$3.66 |
| 40220    | 14   | \$3.66 |
| 40230    | 15   | \$3.66 |
| 40240    | 16   | \$3.66 |
| 40250    | 17   | \$3.52 |
| 40260    | 18   | \$3.25 |
| 40270    | 19   | \$3.25 |
| 40280    | 20   | \$2.98 |
| 40290    | 21   | \$2.92 |
| 40300    | 22   | \$2.92 |
| 40310    | 23   | \$2.92 |
| 40320    | 24   | \$2.92 |
| 40330    | 25   | \$2.53 |
| 40340    | 26   | \$2.53 |
| 40350    | 27   | \$2.53 |
| 40360    | 28   | \$2.35 |
| 40370    | 29   | \$2.35 |
| 40380    | 30   | \$2.35 |
| 40390    | 31   | \$2.35 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 40400    | 32   | \$2.35 |
| 40410    | 33   | \$2.35 |
| 40420    | 34   | \$2.35 |
| 40430    | 35   | \$2.27 |
| 40440    | 36   | \$2.27 |
| 40450    | 37   | \$2.27 |
| 40460    | 38   | \$2.27 |
| 40470    | 39   | \$2.27 |
| 40480    | 40   | \$2.27 |
| 42410    | 41   | \$2.27 |
| 42420    | 42   | \$2.27 |
| 42430    | 43   | \$2.57 |
| 42440    | 44   | \$2.57 |
| 42450    | 45   | \$2.57 |
| 42460    | 46   | \$2.57 |
| 42470    | 47   | \$2.57 |
| 42480    | 48   | \$2.57 |
| 42490    | 49   | \$2.57 |
| 42500    | 50   | \$2.57 |
| 42510    | 51   | \$2.57 |
| 42520    | 52   | \$2.57 |
| 42530    | 53   | \$2.57 |
| 42540    | 54   | \$2.57 |
| 42550    | 55   | \$2.57 |
| 42560    | 56   | \$2.57 |
| 42570    | 57   | \$2.57 |
| 42580    | 58   | \$2.57 |
| 42590    | 59   | \$2.57 |
| 42600    | 60   | \$2.57 |

## Cutting Tool Lubricant

## Type 11-AG

## Ultra S/P™ Super Premium

Super concentrated no run formula. Clings to vertical surfaces for continual lubrication. Rich gold color and thick consistency gives a quality appearance not available with thin runny fluids. Virtually smoke free in even the most heat prone applications. Contains no ozone depleting substances.

This fluid will extend tool life and yield a super smooth machined finish.



| Part No. | Size               | Price       |
|----------|--------------------|-------------|
| 96050    | 12 - 4 OZ.         | \$4.29 ea.  |
| 96060    | 48 - 4 OZ.         | \$4.10 ea.  |
| 96070    | 12 - 16 OZ.        | \$13.22 ea. |
| 96071    | Display/ 8 - 4 OZ. | \$34.75     |

## Type 260-DN

## M42 Cobalt - HSS 135° Split Point - TiN Coated Heavy-Duty

Heavy-duty 135° split point with gold finish made to aircraft specifications. Use to drill hard, tough metals, free machining stainless steel, titanium alloys and certain abrasive plastics.



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 81800      | 1/16  | \$4.40  |
| 81810      | 5/64  | \$4.40  |
| 81820      | 3/32  | \$4.40  |
| 81830      | 7/64  | \$4.40  |
| 81840      | 1/8   | \$4.50  |
| 81850      | 9/64  | \$4.57  |
| 81860      | 5/32  | \$5.06  |
| 81870      | 11/64 | \$5.50  |
| 81880      | 3/16  | \$5.71  |
| 81890      | 13/64 | \$7.55  |
| 81900      | 7/32  | \$8.26  |
| 81910      | 15/64 | \$8.50  |
| 81920      | 1/4   | \$8.78  |
| 81930      | 17/64 | \$10.48 |
| 81940      | 9/32  | \$10.62 |
| 81950      | 19/64 | \$12.07 |
| 81960      | 5/16  | \$12.22 |
| 81970      | 21/64 | \$14.75 |
| 81980      | 11/32 | \$14.90 |
| 81990      | 23/64 | \$16.72 |
| 82000      | 3/8   | \$17.12 |
| 82010      | 25/64 | \$20.14 |
| 82020      | 13/32 | \$20.54 |
| 82030      | 27/64 | \$21.84 |
| 82040      | 7/16  | \$22.09 |
| 82050      | 29/64 | \$26.72 |
| 82060      | 15/32 | \$27.35 |
| 82070      | 31/64 | \$27.35 |
| 82080      | 1/2   | \$27.18 |

## Type 260-AND

## M42 Cobalt - HSS 135° Split Point - Titanium Aluminum Nitride

Can be used in machining stainless steels, nickel based and titanium alloys, not recommended for aluminum



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 37103      | 1/16  | \$5.28  |
| 37113      | 5/64  | \$5.28  |
| 37123      | 3/32  | \$5.28  |
| 37133      | 7/64  | \$5.28  |
| 37143      | 1/8   | \$5.40  |
| 37153      | 9/64  | \$5.48  |
| 37163      | 5/32  | \$6.07  |
| 37173      | 11/64 | \$6.60  |
| 37183      | 3/16  | \$6.85  |
| 37193      | 13/64 | \$9.06  |
| 37203      | 7/32  | \$9.91  |
| 37213      | 15/64 | \$10.20 |
| 37223      | 1/4   | \$10.54 |
| 37233      | 17/64 | \$12.58 |
| 37243      | 9/32  | \$12.74 |
| 37253      | 19/64 | \$14.48 |
| 37263      | 5/16  | \$14.66 |
| 37273      | 21/64 | \$17.70 |
| 37283      | 11/32 | \$17.88 |
| 37293      | 23/64 | \$20.06 |
| 37303      | 3/8   | \$20.54 |
| 37313      | 25/64 | \$24.17 |
| 37323      | 13/32 | \$24.65 |
| 37333      | 27/64 | \$26.21 |
| 37343      | 7/16  | \$26.51 |
| 37353      | 29/64 | \$32.06 |
| 37363      | 15/32 | \$32.82 |
| 37373      | 31/64 | \$32.82 |
| 37383      | 1/2   | \$32.62 |

# Screw Machine Length Drills

*Price List*

## TiN Coated

### Type 260-BN

#### HSS 118° point - TiN Coated

The short length of drill and flute makes this an especially rigid drill for greater drilling accuracy. Can be used for all screw machine operation. This drill is designed for ease of penetration and to facilitate chip removal in tough, hard materials



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 01501      | 1/16  | \$3.11  |
| 01511      | 5/64  | \$3.11  |
| 01521      | 3/32  | \$3.11  |
| 01531      | 7/64  | \$3.11  |
| 01541      | 1/8   | \$3.11  |
| 01551      | 9/64  | \$3.15  |
| 01561      | 5/32  | \$3.27  |
| 01571      | 11/64 | \$3.47  |
| 01581      | 3/16  | \$3.56  |
| 01591      | 13/64 | \$4.30  |
| 01601      | 7/32  | \$4.71  |
| 01611      | 15/64 | \$4.73  |
| 01621      | 1/4   | \$4.85  |
| 01631      | 17/64 | \$6.14  |
| 01641      | 9/32  | \$6.38  |
| 01651      | 19/64 | \$6.57  |
| 01661      | 5/16  | \$6.88  |
| 01671      | 21/64 | \$7.94  |
| 01681      | 11/32 | \$8.50  |
| 01691      | 23/64 | \$9.24  |
| 01701      | 3/8   | \$9.50  |
| 01711      | 25/64 | \$10.92 |
| 01721      | 13/32 | \$11.29 |
| 01731      | 27/64 | \$11.86 |
| 01741      | 7/16  | \$12.02 |
| 01751      | 29/64 | \$13.70 |
| 01761      | 15/32 | \$14.27 |
| 01771      | 31/64 | \$14.53 |
| 01781      | 1/2   | \$14.53 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 24643    | 1    | \$5.57 |
| 24653    | 2    | \$5.57 |
| 24663    | 3    | \$5.44 |
| 24673    | 4    | \$5.44 |
| 24683    | 5    | \$5.44 |
| 24693    | 6    | \$5.44 |
| 24703    | 7    | \$5.02 |
| 24713    | 8    | \$5.02 |
| 24723    | 9    | \$5.02 |
| 24733    | 10   | \$5.02 |
| 24743    | 11   | \$5.02 |
| 24753    | 12   | \$3.71 |
| 24763    | 13   | \$3.71 |
| 24773    | 14   | \$3.71 |
| 24783    | 15   | \$3.71 |
| 24793    | 16   | \$3.71 |
| 24803    | 17   | \$3.71 |
| 24813    | 18   | \$3.54 |
| 24823    | 19   | \$3.54 |
| 24833    | 20   | \$3.54 |
| 24843    | 21   | \$3.40 |
| 24853    | 22   | \$3.40 |
| 24863    | 23   | \$3.40 |
| 24873    | 24   | \$3.40 |
| 24883    | 25   | \$3.40 |
| 24893    | 26   | \$3.36 |
| 24903    | 27   | \$3.36 |
| 24913    | 28   | \$3.25 |
| 24923    | 29   | \$3.25 |

### Type 135-TN NAS 907C

#### Titanium Nitride - Super High Performance 135° Split Point - Heavy-Duty

This heavy-duty drill performs well in very demanding applications. The TiN coating provides a super hard surface with high lubricity. The tool life may be extended 500% or more in high wear or very abrasive applications.



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 97600      | 1/16  | \$3.64  |
| 97590      | 5/64  | \$3.64  |
| 97580      | 3/32  | \$3.64  |
| 97570      | 7/64  | \$3.64  |
| 97560      | 1/8   | \$3.64  |
| 97550      | 9/64  | \$4.15  |
| 97540      | 5/32  | \$4.26  |
| 97530      | 11/64 | \$4.45  |
| 97520      | 3/16  | \$4.54  |
| 97510      | 13/64 | \$5.99  |
| 97500      | 7/32  | \$6.43  |
| 97490      | 15/64 | \$6.45  |
| 97480      | 1/4   | \$6.66  |
| 97470      | 17/64 | \$9.25  |
| 97460      | 9/32  | \$9.22  |
| 97450      | 19/64 | \$9.77  |
| 97440      | 5/16  | \$10.08 |
| 97430      | 21/64 | \$11.62 |
| 97420      | 11/32 | \$12.23 |
| 97410      | 23/64 | \$13.04 |
| 97400      | 3/8   | \$13.36 |
| 97390      | 25/64 | \$15.28 |
| 97380      | 13/32 | \$15.54 |
| 97370      | 27/64 | \$16.24 |
| 97360      | 7/16  | \$16.47 |
| 97350      | 29/64 | \$19.05 |
| 97340      | 15/32 | \$19.56 |
| 97330      | 31/64 | \$19.93 |
| 97320      | 1/2   | \$19.93 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 96670    | 1    | \$6.68 |
| 96660    | 2    | \$6.68 |
| 96650    | 3    | \$6.47 |
| 96640    | 4    | \$6.47 |
| 96630    | 5    | \$6.47 |
| 96620    | 6    | \$6.47 |
| 96610    | 7    | \$6.10 |
| 96600    | 8    | \$6.10 |
| 96590    | 9    | \$6.10 |
| 96580    | 10   | \$6.10 |
| 96570    | 11   | \$6.10 |
| 96560    | 12   | \$6.10 |
| 96550    | 13   | \$4.79 |
| 96540    | 14   | \$4.79 |
| 96530    | 15   | \$4.79 |
| 96520    | 16   | \$4.79 |
| 96510    | 17   | \$4.79 |
| 96500    | 18   | \$4.43 |
| 96490    | 19   | \$4.43 |
| 96480    | 20   | \$4.43 |
| 96470    | 21   | \$4.32 |
| 96460    | 22   | \$4.32 |
| 96450    | 23   | \$4.32 |
| 96440    | 24   | \$4.32 |
| 96430    | 25   | \$4.32 |
| 96420    | 26   | \$4.32 |
| 96410    | 27   | \$4.32 |
| 96400    | 28   | \$4.13 |
| 96390    | 29   | \$4.13 |
| 96380    | 30   | \$4.13 |
| 96370    | 31   | \$3.55 |
| 96360    | 32   | \$3.55 |
| 96350    | 33   | \$3.55 |
| 96340    | 34   | \$3.55 |
| 96330    | 35   | \$3.55 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 24933    | 30   | \$3.25 |
| 24943    | 31   | \$3.15 |
| 24953    | 32   | \$3.15 |
| 24963    | 33   | \$3.15 |
| 24973    | 34   | \$3.15 |
| 24983    | 35   | \$3.15 |
| 24993    | 36   | \$3.15 |
| 25003    | 37   | \$3.15 |
| 25013    | 38   | \$3.15 |
| 25023    | 39   | \$3.15 |
| 25033    | 40   | \$3.15 |
| 25043    | 41   | \$3.15 |
| 25053    | 42   | \$3.15 |
| 25063    | 43   | \$3.15 |
| 25073    | 44   | \$3.15 |
| 25083    | 45   | \$3.15 |
| 25093    | 46   | \$3.15 |
| 25103    | 47   | \$3.15 |
| 25113    | 48   | \$3.15 |
| 25123    | 49   | \$3.15 |
| 25133    | 50   | \$3.15 |
| 25143    | 51   | \$3.15 |
| 25153    | 52   | \$3.15 |
| 25163    | 53   | \$3.15 |
| 25173    | 54   | \$3.15 |
| 25183    | 55   | \$3.15 |
| 25193    | 56   | \$3.15 |
| 25203    | 57   | \$3.15 |
| 25213    | 58   | \$3.15 |
| 25223    | 59   | \$3.15 |
| 25233    | 60   | \$3.15 |

### Type 260-BN Sets

#### HSS 118° point TiN Coated

| Part No. | Size   | Price    |
|----------|--------|----------|
| 25243    | SMN-29 | \$226.24 |
| 25253    | SMN-60 | \$235.96 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 96320    | 36   | \$3.55 |
| 96310    | 37   | \$3.55 |
| 96300    | 38   | \$3.55 |
| 96290    | 39   | \$3.55 |
| 96280    | 40   | \$3.55 |
| 96270    | 41   | \$3.55 |
| 96260    | 42   | \$3.55 |
| 96250    | 43   | \$3.55 |
| 96240    | 44   | \$3.55 |
| 96230    | 45   | \$3.55 |
| 96220    | 46   | \$3.55 |
| 96210    | 47   | \$3.55 |
| 96200    | 48   | \$3.55 |
| 96190    | 49   | \$3.55 |
| 96180    | 50   | \$3.55 |
| 96170    | 51   | \$3.55 |
| 96160    | 52   | \$3.55 |
| 96150    | 53   | \$3.55 |
| 96140    | 54   | \$3.55 |
| 96130    | 55   | \$3.55 |
| 96120    | 56   | \$3.55 |
| 96110    | 57   | \$3.55 |
| 96100    | 58   | \$3.55 |
| 96090    | 59   | \$3.55 |
| 96080    | 60   | \$3.55 |

### Type 135-TN Sets

#### TiN Coated Screw Machine Length 135° Split Point - Heavy-Duty

| Part No. | Size  | Price    |
|----------|-------|----------|
| 96680    | TN-29 | \$318.00 |
| 96730    | TN-60 | \$284.42 |

## Taper Length Drills

### Type 210

#### General Purpose - High-Speed Steel - 118° Point

Bright finish thru 1" diameter.

Surface treated flutes from 1-1/64" to 1-3/4" diameter.

General purpose 118° point, recommended for mild drilling applications where extra long drills are required.



| Fractional |        |         |
|------------|--------|---------|
| Part No.   | Size   | Price   |
| 10490      | 3/64   | \$8.11  |
| 10500      | 1/16   | \$8.11  |
| 10510      | 5/64   | \$8.11  |
| 10520      | 3/32   | \$6.20  |
| 10530      | 7/64   | \$6.41  |
| 10540      | 1/8    | \$6.74  |
| 10550      | 9/64   | \$7.94  |
| 10560      | 5/32   | \$7.23  |
| 10570      | 11/64  | \$8.48  |
| 10580      | 3/16   | \$7.23  |
| 10590      | 13/64  | \$9.66  |
| 10600      | 7/32   | \$10.34 |
| 10610      | 15/64  | \$10.34 |
| 10620      | 1/4    | \$9.21  |
| 10630      | 17/64  | \$11.04 |
| 10640      | 9/32   | \$11.04 |
| 10650      | 19/64  | \$11.82 |
| 10660      | 5/16   | \$11.65 |
| 10670      | 21/64  | \$12.27 |
| 10680      | 11/32  | \$12.89 |
| 10690      | 23/64  | \$14.74 |
| 10700      | 3/8    | \$14.74 |
| 10710      | 25/64  | \$15.95 |
| 10720      | 13/32  | \$15.95 |
| 10730      | 27/64  | \$17.17 |
| 10740      | 7/16   | \$17.17 |
| 10750      | 29/64  | \$19.64 |
| 10760      | 15/32  | \$20.25 |
| 10770      | 31/64  | \$22.09 |
| 10780      | 1/2    | \$23.32 |
| 10790      | 33/64  | \$28.25 |
| 10800      | 17/32  | \$27.51 |
| 10810      | 35/64  | \$31.44 |
| 10820      | 9/16   | \$28.99 |
| 10830      | 37/64  | \$33.83 |
| 10840      | 19/32  | \$33.83 |
| 10850      | 39/64  | \$35.62 |
| 10860      | 5/8    | \$33.83 |
| 10870      | 41/64  | \$40.87 |
| 10880      | 21/32  | \$39.44 |
| 10890      | 43/64  | \$46.35 |
| 10900      | 11/16  | \$44.58 |
| 10910      | 45/64  | \$49.71 |
| 10920      | 23/32  | \$48.95 |
| 10930      | 47/64  | \$54.38 |
| 10940      | 3/4    | \$51.82 |
| 10950      | 49/64  | \$60.08 |
| 10960      | 25/32  | \$60.08 |
| 10970      | 51/64  | \$64.52 |
| 10980      | 13/16  | \$63.51 |
| 10990      | 53/64  | \$67.24 |
| 11000      | 27/32  | \$67.07 |
| 11010      | 55/64  | \$70.46 |
| 11020      | 7/8    | \$69.62 |
| 11030      | 57/64  | \$73.43 |
| 11040      | 29/32  | \$73.43 |
| 11050      | 59/64  | \$80.53 |
| 11060      | 15/16  | \$79.96 |
| 11070      | 61/64  | \$88.52 |
| 11080      | 31/32  | \$88.52 |
| 11090      | 63/64  | \$92.98 |
| 11100      | 1-INCH | \$92.24 |

| Fractional (continued) |         |          |
|------------------------|---------|----------|
| Part No.               | Size    | Price    |
| 11110                  | 1-1/64  | \$126.19 |
| 11120                  | 1-1/32  | \$126.19 |
| 11130                  | 1-3/64  | \$130.49 |
| 11140                  | 1-1/16  | \$130.49 |
| 11150                  | 1-5/64  | \$139.95 |
| 11160                  | 1-3/32  | \$139.95 |
| 11170                  | 1-7/64  | \$145.21 |
| 11180                  | 1-1/8   | \$145.21 |
| 11190                  | 1-9/64  | \$158.12 |
| 11200                  | 1-5/32  | \$158.12 |
| 11210                  | 1-11/64 | \$170.32 |
| 11220                  | 1-3/16  | \$170.32 |
| 11230                  | 1-13/64 | \$177.88 |
| 11240                  | 1-7/32  | \$177.88 |
| 11250                  | 1-15/64 | \$184.81 |
| 11260                  | 1-1/4   | \$184.81 |
| 11270                  | 1-9/32  | \$210.79 |
| 11280                  | 1-5/16  | \$218.53 |
| 11290                  | 1-11/32 | \$226.73 |
| 11300                  | 1-3/8   | \$235.27 |
| 11310                  | 1-13/32 | \$248.54 |
| 11320                  | 1-7/16  | \$256.23 |
| 11330                  | 1-15/32 | \$278.14 |
| 11340                  | 1-1/2   | \$287.26 |
| 11350                  | 1-9/16  | \$321.72 |
| 11360                  | 1-5/8   | \$363.57 |
| 11370                  | 1-3/4   | \$437.69 |

| Letter   |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 11380    | A    | \$12.39 |
| 11390    | B    | \$12.49 |
| 11400    | C    | \$12.49 |
| 11410    | D    | \$12.49 |
| 11420    | E    | \$12.49 |
| 11430    | F    | \$15.95 |
| 11440    | G    | \$15.95 |
| 11450    | H    | \$15.38 |
| 11460    | I    | \$15.38 |
| 11470    | J    | \$15.38 |
| 11480    | K    | \$15.38 |
| 11490    | L    | \$16.88 |
| 11500    | M    | \$16.88 |
| 11510    | N    | \$17.48 |
| 11520    | O    | \$17.48 |
| 11530    | P    | \$17.48 |
| 11540    | Q    | \$16.88 |
| 11550    | R    | \$16.88 |
| 11560    | S    | \$19.40 |
| 11570    | T    | \$19.40 |
| 11580    | U    | \$19.40 |
| 11590    | V    | \$20.36 |
| 11600    | W    | \$20.36 |
| 11610    | X    | \$21.14 |
| 11620    | Y    | \$21.14 |
| 11630    | Z    | \$21.14 |

| Wire     |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 11640    | 1    | \$12.16 |
| 11650    | 2    | \$12.16 |
| 11660    | 3    | \$11.32 |
| 11670    | 4    | \$11.32 |
| 11680    | 5    | \$11.32 |
| 11690    | 6    | \$11.32 |
| 11700    | 7    | \$11.32 |
| 11710    | 8    | \$11.32 |
| 11720    | 9    | \$11.32 |
| 11730    | 10   | \$11.32 |
| 11740    | 11   | \$11.32 |
| 11750    | 12   | \$11.32 |
| 11760    | 13   | \$9.81  |
| 11770    | 14   | \$9.81  |
| 11780    | 15   | \$9.81  |
| 11790    | 16   | \$9.81  |
| 11800    | 17   | \$9.81  |
| 11810    | 18   | \$9.81  |
| 11820    | 19   | \$9.81  |
| 11830    | 20   | \$9.81  |
| 11840    | 21   | \$9.81  |
| 11850    | 22   | \$9.81  |
| 11860    | 23   | \$9.81  |
| 11870    | 24   | \$9.81  |
| 11880    | 25   | \$9.81  |
| 11890    | 26   | \$9.81  |
| 11900    | 27   | \$9.81  |
| 11910    | 28   | \$9.81  |
| 11920    | 29   | \$9.81  |
| 11930    | 30   | \$9.81  |
| 11940    | 31   | \$8.77  |
| 11950    | 32   | \$8.77  |
| 11960    | 33   | \$8.77  |
| 11970    | 34   | \$8.77  |
| 11980    | 35   | \$8.77  |
| 11990    | 36   | \$7.98  |
| 12000    | 37   | \$7.98  |
| 12010    | 38   | \$7.98  |
| 12020    | 39   | \$7.23  |
| 12030    | 40   | \$7.23  |
| 12040    | 41   | \$7.23  |
| 12050    | 42   | \$6.49  |
| 12060    | 43   | \$9.35  |
| 12070    | 44   | \$9.35  |
| 12080    | 45   | \$9.35  |
| 12090    | 46   | \$9.35  |
| 12100    | 47   | \$9.35  |
| 12110    | 48   | \$9.12  |
| 12120    | 49   | \$9.12  |
| 12130    | 50   | \$9.12  |
| 12140    | 51   | \$9.12  |
| 12150    | 52   | \$9.12  |
| 12160    | 53   | \$9.12  |
| 12170    | 54   | \$9.12  |
| 12180    | 55   | \$9.12  |
| 12190    | 56   | \$9.12  |
| 12200    | 57   | \$9.12  |
| 12210    | 58   | \$9.12  |
| 12220    | 59   | \$9.12  |
| 12230    | 60   | \$9.12  |

# Taper & Extra Length Drills

Price List

Automotive, Titanium Nitride, Parabolic, Magnum

## Taper Length Drills

### Type 220

Automotive Series - Tang Drive  
High-Speed Steel - Black Oxide  
118° Point

Same construction as Type 210 except these drills are tapered and Black Oxide. When used with A.S.A. split sleeve drill drivers, these drills serve as economical substitutes for taper shank drills.



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 12870      | 1/8   | \$7.08  |
| 12880      | 9/64  | \$8.35  |
| 12890      | 5/32  | \$7.60  |
| 12900      | 11/64 | \$8.92  |
| 12910      | 3/16  | \$7.60  |
| 12920      | 13/64 | \$10.15 |
| 12930      | 7/32  | \$10.86 |
| 12940      | 15/64 | \$10.86 |
| 12950      | 1/4   | \$9.65  |
| 12960      | 17/64 | \$11.59 |
| 12970      | 9/32  | \$11.59 |
| 12980      | 19/64 | \$12.41 |
| 12990      | 5/16  | \$12.24 |
| 13000      | 21/64 | \$12.89 |
| 13010      | 11/32 | \$13.53 |
| 13020      | 23/64 | \$15.46 |
| 13030      | 3/8   | \$15.46 |
| 13040      | 25/64 | \$16.76 |
| 13050      | 13/32 | \$16.76 |
| 13060      | 27/64 | \$18.03 |
| 13070      | 7/16  | \$18.03 |
| 13080      | 29/64 | \$20.62 |
| 13090      | 15/32 | \$21.25 |
| 13100      | 31/64 | \$23.19 |
| 13110      | 1/2   | \$24.48 |
| 13120      | 33/64 | \$29.63 |
| 13130      | 17/32 | \$28.94 |
| 13140      | 35/64 | \$33.17 |
| 13150      | 9/16  | \$30.55 |
| 13160      | 37/64 | \$37.35 |
| 13170      | 19/32 | \$37.35 |
| 13180      | 39/64 | \$39.36 |
| 13190      | 5/8   | \$37.35 |
| 13200      | 41/64 | \$44.37 |
| 13220      | 43/64 | \$47.85 |
| 13230      | 11/16 | \$45.96 |
| 13240      | 21/32 | \$42.82 |
| 72530      | 47/64 | \$55.98 |
| 72540      | 3/4   | \$53.46 |

Jobber, screw & mechanics drills #97 thru 9/32  
A thru L = 12 per pack. 19/64 thru 1/2 & M thru Z = 6  
per pack.  
Over 1/2 = 1 per pack.  
Tin Coated (190-PT - 87) 1/8 thru 9/32 = 6 per pack,  
19/64 thru 1/2 = 3 per pack.

Proudly Manufactured in the U.S.A.  
Order: 1-800-328-4655

### Type 221-P

Heavy-Duty - Parabolic Flute  
Tang Drive - 135° Split Point  
Black Oxide

Parabolic flute drills are designed to eliminate the need for frequent drill removal in deep hole drilling in low to medium tensile strength materials.



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 35320      | 1/8   | \$7.22  |
| 35330      | 9/64  | \$8.42  |
| 35340      | 5/32  | \$7.94  |
| 35350      | 11/64 | \$9.61  |
| 35360      | 3/16  | \$8.07  |
| 35370      | 13/64 | \$10.53 |
| 35380      | 7/32  | \$10.53 |
| 35390      | 15/64 | \$11.15 |
| 35400      | 1/4   | \$9.92  |
| 35410      | 17/64 | \$12.03 |
| 35420      | 9/32  | \$11.30 |
| 35430      | 19/64 | \$12.61 |
| 35440      | 5/16  | \$11.02 |
| 35450      | 21/64 | \$12.91 |
| 35460      | 11/32 | \$12.61 |
| 35470      | 23/64 | \$14.88 |
| 35480      | 3/8   | \$14.88 |
| 35490      | 25/64 | \$18.10 |
| 35500      | 13/32 | \$16.74 |
| 35510      | 27/64 | \$18.78 |
| 35520      | 7/16  | \$19.23 |
| 35530      | 29/64 | \$20.84 |
| 35540      | 15/32 | \$22.49 |
| 35550      | 31/64 | \$24.18 |
| 35560      | 1/2   | \$23.84 |

### Type 221-PT

Heavy-Duty - Parabolic Flute  
TiN Coated - Tang Drive  
135° Split Point

This high performance drill combines the superior wear resistance of TiN coating and the deep hole drilling advantages of parabolic flutes.



| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 34600      | 1/8   | \$9.38  |
| 34610      | 9/64  | \$10.58 |
| 34620      | 5/32  | \$10.10 |
| 34630      | 11/64 | \$11.68 |
| 34640      | 3/16  | \$10.20 |
| 34650      | 13/64 | \$14.98 |
| 34660      | 7/32  | \$14.98 |
| 34670      | 15/64 | \$15.57 |
| 34680      | 1/4   | \$14.41 |
| 34690      | 17/64 | \$20.29 |
| 34700      | 9/32  | \$19.63 |
| 34710      | 19/64 | \$20.87 |
| 34720      | 5/16  | \$19.37 |
| 34730      | 21/64 | \$21.17 |
| 34740      | 11/32 | \$20.87 |
| 34750      | 23/64 | \$28.31 |
| 34760      | 3/8   | \$28.31 |
| 34770      | 25/64 | \$34.88 |
| 34780      | 13/32 | \$33.58 |
| 34790      | 27/64 | \$35.53 |
| 34800      | 7/16  | \$35.95 |
| 34810      | 29/64 | \$37.51 |
| 34820      | 15/32 | \$39.09 |
| 34830      | 31/64 | \$40.68 |
| 34840      | 1/2   | \$40.37 |

## Extra Length Drills

### Type XGT-AG

Magnum Super Premium Heavy-Duty  
135° Split Point - 6"-9"-12"

Special Hi-Molybdenum tool steel. Gold surface treated for maximum lubricity. Heavy-duty construction, 135° split point, no center punch needed - will not walk. Gyroidal Torsion flute and land construction yields exceptional performance in deep hole drilling applications.



| Fractional |          |          |         |
|------------|----------|----------|---------|
| Part No.   | Size     | Per Pack | Price   |
| 39240      | 1/8X6    | 3        | \$10.13 |
| 39250      | 29X6     | 3        | \$10.68 |
| 39260      | 9/64X6   | 3        | \$10.68 |
| 39270      | 5/32X6   | 3        | \$10.89 |
| 39280      | 11/64X6  | 3        | \$11.50 |
| 39300      | 3/16X6   | 3        | \$11.09 |
| 39310      | 10X6     | 3        | \$11.28 |
| 39320      | 13/64X6  | 3        | \$11.60 |
| 39330      | 7/32X6   | 3        | \$11.94 |
| 39340      | 1X6      | 3        | \$13.50 |
| 39350      | 15/64X6  | 3        | \$13.50 |
| 39360      | 1/4X6    | 3        | \$12.41 |
| 39370      | FX6      | 3        | \$12.73 |
| 39380      | 9/32X6   | 3        | \$12.98 |
| 39390      | 5/16X6   | 3        | \$12.91 |
| 39400      | 11/32X6  | 3        | \$14.94 |
| 39410      | 3/8X6    | 1        | \$17.26 |
| 39420      | 13/32X6  | 1        | \$18.17 |
| 39430      | 7/16X6   | 1        | \$19.46 |
| 39440      | 1/2X6    | 1        | \$20.19 |
| 40780      | 1/8X9    | 1        | \$17.72 |
| 40890      | 9/64X9   | 1        | \$18.77 |
| 40790      | 5/32X9   | 1        | \$18.35 |
| 53140      | 11/64X9  | 1        | \$19.74 |
| 40800      | 3/16X9   | 1        | \$19.33 |
| 53160      | 13/64X9  | 1        | \$21.83 |
| 40810      | 7/32X9   | 1        | \$21.41 |
| 53180      | 15/64X9  | 1        | \$22.64 |
| 40820      | 1/4X9    | 1        | \$22.21 |
| 40830      | 9/32X9   | 1        | \$24.47 |
| 40840      | 5/16X9   | 1        | \$24.53 |
| 40850      | 11/32X9  | 1        | \$26.59 |
| 40860      | 3/8X9    | 1        | \$27.73 |
| 40870      | 7/16X9   | 1        | \$38.88 |
| 40880      | 1/2X9    | 1        | \$43.19 |
| 43050      | 1/8X12   | 1        | \$22.07 |
| 53130      | 9/64X12  | 1        | \$23.02 |
| 43060      | 5/32X12  | 1        | \$22.61 |
| 53150      | 11/64X12 | 1        | \$24.42 |
| 43070      | 3/16X12  | 1        | \$24.01 |
| 53170      | 13/64X12 | 1        | \$27.73 |
| 43080      | 7/32X12  | 1        | \$27.31 |
| 53190      | 15/64X12 | 1        | \$33.25 |
| 43090      | 1/4X12   | 1        | \$32.82 |
| 43100      | 9/32X12  | 1        | \$34.02 |
| 43110      | 5/16X12  | 1        | \$35.32 |
| 43120      | 11/32X12 | 1        | \$37.34 |
| 43130      | 3/8X12   | 1        | \$39.01 |
| 43140      | 7/16X12  | 1        | \$52.63 |
| 43150      | 1/2X12   | 1        | \$60.03 |

## Extra Length Drills

### Type 160 & 165

#### Longboy Drills - 12"- 18" 118° Point

General purpose 118° point high-speed steel drill recommended for a wide range of deep hole production drilling applications.



| Type 160 12" High-Speed Steel |       |         |
|-------------------------------|-------|---------|
| Part No.                      | Size  | Price   |
| 27200                         | 1/8   | \$18.20 |
| 27210                         | 9/64  | \$22.73 |
| 27220                         | 5/32  | \$20.84 |
| 27230                         | 11/64 | \$24.81 |
| 27240                         | 3/16  | \$20.76 |
| 27250                         | 13/64 | \$25.84 |
| 27260                         | 7/32  | \$23.69 |
| 27270                         | 15/64 | \$25.84 |
| 27280                         | 1/4   | \$21.85 |
| 27290                         | 17/64 | \$28.46 |
| 27300                         | 9/32  | \$23.72 |
| 27310                         | 19/64 | \$29.78 |
| 27320                         | 5/16  | \$24.83 |
| 27330                         | 21/64 | \$32.48 |
| 27340                         | 11/32 | \$27.07 |
| 27350                         | 23/64 | \$34.74 |
| 27360                         | 3/8   | \$28.95 |
| 27370                         | 25/64 | \$38.66 |
| 27380                         | 13/32 | \$32.21 |
| 27390                         | 27/64 | \$40.09 |
| 27400                         | 7/16  | \$33.44 |
| 27410                         | 29/64 | \$47.21 |
| 27420                         | 15/32 | \$39.34 |
| 27430                         | 31/64 | \$49.78 |
| 27440                         | 1/2   | \$41.46 |
| 27450                         | 17/32 | \$62.93 |
| 27460                         | 9/16  | \$68.06 |
| 27470                         | 19/32 | \$69.40 |
| 27480                         | 5/8   | \$76.46 |
| 27490                         | 11/16 | \$85.12 |
| 27500                         | 3/4   | \$93.60 |

| Type 165 18" High-Speed Steel |       |          |
|-------------------------------|-------|----------|
| Part No.                      | Size  | Price    |
| 27600                         | 3/16  | \$42.22  |
| 27610                         | 7/32  | \$46.96  |
| 27620                         | 1/4   | \$46.00  |
| 27630                         | 9/32  | \$52.62  |
| 27640                         | 5/16  | \$55.18  |
| 27650                         | 11/32 | \$60.10  |
| 27660                         | 3/8   | \$58.83  |
| 27670                         | 13/32 | \$63.88  |
| 27680                         | 7/16  | \$63.58  |
| 27690                         | 15/32 | \$69.50  |
| 27700                         | 1/2   | \$71.64  |
| 27710                         | 17/32 | \$95.86  |
| 27720                         | 9/16  | \$101.08 |
| 27730                         | 19/32 | \$105.57 |
| 27740                         | 5/8   | \$109.30 |

Jobber, screw & mechanics drills #97 thru 9/32 thru L = 12 per pack. 19/64 thru 1/2 & thru Z = 6 per pack. Over 1/2 = 1 per pack.

## Sheeters Drills

### Type 224

#### Black Oxide -135° Split Point

This heavy-duty 135° split point high-speed steel drill is excellent for drilling sheet metal and corrugated construction panels.



| Wire     |         |        |
|----------|---------|--------|
| Part No. | Size    | Price  |
| 27010    | 1X3     | \$3.19 |
| 27030    | 1X4-1/2 | \$4.71 |
| 27040    | 1X6     | \$5.31 |

### Type 166 NAS 907B

#### Aircraft Type B 6" 135° Split Point - Heavy-Duty High-Speed Steel

Heavy-duty 135° split point high-speed steel drill is used extensively in Aircraft and transportation applications for drilling holes in hard to reach places.



| Fractional 6" |       |         |
|---------------|-------|---------|
| Part No.      | Size  | Price   |
| 68170         | 1/16  | \$9.02  |
| 68180         | 5/64  | \$9.02  |
| 68470         | 3/32  | \$4.91  |
| 68490         | 7/64  | \$4.91  |
| 68500         | 1/8   | \$3.29  |
| 68510         | 9/64  | \$3.61  |
| 68520         | 5/32  | \$3.95  |
| 68530         | 11/64 | \$4.25  |
| 68540         | 3/16  | \$4.63  |
| 68550         | 13/64 | \$4.86  |
| 68560         | 7/32  | \$5.15  |
| 68570         | 15/64 | \$5.36  |
| 68580         | 1/4   | \$5.58  |
| 68190         | 9/32  | \$8.07  |
| 68760         | 5/16  | \$8.49  |
| 68200         | 11/32 | \$9.26  |
| 68450         | 21/64 | \$9.33  |
| 68770         | 3/8   | \$9.60  |
| 68780         | 7/16  | \$12.73 |
| 68790         | 1/2   | \$15.70 |
| Wire          |       |         |
| Part No.      | Size  | Price   |
| 68590         | 1     | \$5.31  |
| 37400         | 2     | \$5.31  |
| 68330         | 5     | \$5.16  |
| 68600         | 10    | \$4.44  |
| 68610         | 11    | \$4.35  |
| 68350         | 19    | \$3.87  |
| 68620         | 20    | \$3.87  |
| 68630         | 21    | \$3.87  |
| 68370         | 25    | \$3.61  |
| 68640         | 29    | \$3.61  |
| 68650         | 30    | \$3.61  |
| 37490         | 40    | \$4.91  |

### Type 167-D NAS 907J

#### Aircraft 6" 135° Split Point

Solid Construction Cobalt - Gold Treated Heavy-duty 135° split point high-speed steel drill is used extensively in Aircraft and transportation applications for drilling holes in hard to reach places.



| Fractional 6" |       |         |
|---------------|-------|---------|
| Part No.      | Size  | Price   |
| 65090         | 3/32  | \$8.00  |
| 65100         | 7/64  | \$6.76  |
| 65110         | 1/8   | \$6.50  |
| 65120         | 9/64  | \$6.73  |
| 65130         | 5/32  | \$7.51  |
| 65140         | 11/64 | \$7.90  |
| 65150         | 3/16  | \$8.07  |
| 65160         | 13/64 | \$8.27  |
| 65170         | 7/32  | \$8.91  |
| 65180         | 15/64 | \$13.14 |
| 65190         | 1/4   | \$11.42 |

| Wire 6"  |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 65200    | 1    | \$13.46 |
| 65210    | 2    | \$13.46 |
| 65220    | 10   | \$8.66  |
| 65230    | 11   | \$8.65  |
| 65240    | 20   | \$7.51  |
| 65250    | 21   | \$7.51  |
| 65260    | 29   | \$6.94  |
| 65270    | 30   | \$6.50  |
| 65280    | 40   | \$6.93  |

### Type 168

#### Welded Construction 12"

#### Extension Drill - Black Oxide

#### 135° Split Point - High-Speed Steel

This heavy-duty 135° split point high-speed steel drill is used for drilling holes in hard to reach places.



| Fractional 12" |       |         |
|----------------|-------|---------|
| Part No.       | Size  | Price   |
| 02710          | 1/16  | \$13.14 |
| 02740          | 7/64  | \$10.86 |
| 68800          | 1/8   | \$6.27  |
| 68810          | 9/64  | \$6.68  |
| 68820          | 5/32  | \$7.11  |
| 68830          | 11/64 | \$7.56  |
| 68840          | 3/16  | \$8.00  |
| 68850          | 13/64 | \$8.18  |
| 68860          | 7/32  | \$8.48  |
| 68870          | 15/64 | \$8.86  |
| 68880          | 1/4   | \$9.06  |
| 68890          | 17/64 | \$11.77 |
| 68900          | 9/32  | \$10.62 |
| 68910          | 19/64 | \$13.64 |
| 68920          | 5/16  | \$12.25 |
| 68930          | 21/64 | \$15.41 |
| 68940          | 11/32 | \$13.48 |
| 68950          | 23/64 | \$17.16 |
| 68960          | 3/8   | \$15.17 |
| 68970          | 25/64 | \$19.27 |
| 68980          | 13/32 | \$16.94 |
| 68990          | 27/64 | \$21.38 |
| 69000          | 7/16  | \$18.82 |
| 69010          | 29/64 | \$23.65 |
| 69020          | 15/32 | \$20.65 |
| 69030          | 31/64 | \$25.83 |
| 69040          | 1/2   | \$22.49 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 69050    | 1    | \$8.86 |
| 02400    | 5    | \$9.52 |
| 69060    | 10   | \$8.72 |
| 69070    | 11   | \$8.72 |
| 69080    | 20   | \$7.25 |
| 69090    | 21   | \$7.25 |
| 69100    | 29   | \$6.27 |
| 69110    | 30   | \$6.27 |
| 02370    | 40   | \$6.27 |

### Type 169-D NAS 907J

#### 12" Extension Drill, Cobalt - Gold Treated

This heavy-duty 135° split point high-speed steel drill is used for drilling holes in hard to reach places.



| Fractional 12" |       |         |
|----------------|-------|---------|
| Part No.       | Size  | Price   |
| 61790          | 3/32  | \$12.28 |
| 61800          | 7/64  | \$11.59 |
| 61810          | 1/8   | \$11.33 |
| 61820          | 9/64  | \$13.11 |
| 61830          | 5/32  | \$13.77 |
| 61840          | 11/64 | \$14.32 |
| 61850          | 3/16  | \$14.48 |
| 61860          | 13/64 | \$17.22 |
| 61870          | 7/32  | \$19.94 |
| 61880          | 15/64 | \$21.20 |
| 61890          | 1/4   | \$18.41 |

| Wire 12" |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 61900    | 1    | \$21.74 |
| 61910    | 2    | \$22.26 |
| 61920    | 10   | \$14.81 |
| 61930    | 11   | \$14.81 |
| 61940    | 20   | \$14.35 |
| 61950    | 21   | \$14.35 |
| 61960    | 29   | \$12.20 |
| 61970    | 30   | \$11.33 |
| 61980    | 40   | \$11.76 |

### Reduced Shank Drills

#### Type 130-AG

1/2" Shank Silver & Deming  
Magnum Super Premium  
3-Flats on Shank

Heavy-Duty, 135° Split Point

- Special Hi-Molybdenum tool steel.
- 135° split point for fast penetration and accurate starting without a center punch.
- Sizes larger than 1" diameter have 118° split point.
- Precision ground point, flutes, body, clearance and drill diameter for the ultimate in accuracy and performance.



| Fractional |        |          |
|------------|--------|----------|
| Part No.   | Size   | Price    |
| 29550      | 33/64  | \$29.00  |
| 29560      | 17/32  | \$27.62  |
| 29570      | 35/64  | \$30.25  |
| 29580      | 9/16   | \$28.51  |
| 29590      | 37/64  | \$33.12  |
| 29600      | 19/32  | \$31.52  |
| 29610      | 39/64  | \$33.39  |
| 29620      | 5/8    | \$31.78  |
| 29630      | 41/64  | \$35.91  |
| 29640      | 21/32  | \$34.23  |
| 29650      | 43/64  | \$37.34  |
| 29660      | 11/16  | \$35.54  |
| 29670      | 45/64  | \$39.27  |
| 29680      | 23/32  | \$37.38  |
| 29690      | 47/64  | \$40.67  |
| 29700      | 3/4    | \$38.73  |
| 29710      | 49/64  | \$44.07  |
| 29720      | 25/32  | \$41.94  |
| 29730      | 51/64  | \$44.87  |
| 29740      | 13/16  | \$42.75  |
| 29750      | 53/64  | \$47.45  |
| 29760      | 27/32  | \$45.20  |
| 29770      | 55/64  | \$48.52  |
| 29780      | 7/8    | \$46.22  |
| 29790      | 57/64  | \$51.49  |
| 29800      | 29/32  | \$49.04  |
| 29810      | 59/64  | \$54.19  |
| 29820      | 15/16  | \$51.61  |
| 29830      | 61/64  | \$58.43  |
| 29840      | 31/32  | \$55.65  |
| 29850      | 63/64  | \$63.10  |
| 29860      | 1-INCH | \$60.09  |
| 29870      | 1-1/32 | \$86.25  |
| 29880      | 1-1/16 | \$78.98  |
| 29890      | 1-3/32 | \$95.28  |
| 29900      | 1-1/8  | \$86.41  |
| 29910      | 1-5/32 | \$90.00  |
| 29920      | 1-3/16 | \$91.98  |
| 29930      | 1-7/32 | \$116.69 |
| 29940      | 1-1/4  | \$101.34 |
| 29950      | 1-5/16 | \$141.10 |
| 29960      | 1-3/8  | \$143.46 |
| 29970      | 1-7/16 | \$160.27 |
| 29980      | 1-1/2  | \$164.27 |

#### Type 130-AG Sets/Displays

1/2" Shank - Silver & Deming  
Black & Gold  
Heavy-Duty Super Premium

| Part No. | Size    | Price      |
|----------|---------|------------|
| 12250    | S&D-4SP | \$173.95   |
| 92400    | S&D-8SP | \$391.95   |
| 92402    | S&D13SP | \$674.52   |
| 92401    | S&D33SP | \$1,427.18 |

#### Silver & Deming Displays

| Part No. | Size                  | Price    |
|----------|-----------------------|----------|
| 00940    | SD8SPA                | \$570.63 |
| 00934    | Display Only (SD-CAB) | \$328.87 |
| 92402    | S&D-13SP              | \$699.48 |

#### Type 130-AGM (Metric)

1/2" Shank Silver & Deming  
Magnum Super Premium  
3-Flats on Shank - 135° Split Point

- Special Hi-Molybdenum tool steel.
- 135° split point for fast penetration and accurate starting without a center punch.
- Sizes larger than 3/4" diameter have 118° split point.
- Precision ground point, flutes, body, clearance and drill diameter for the ultimate in accuracy and performance.
- Body and clearance are gold surface treated for maximum lubricity.



| Metric   |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 25500    | 14.0 | \$28.81 |
| 25502    | 15.0 | \$31.55 |
| 25504    | 16.0 | \$34.21 |
| 25510    | 17.0 | \$35.55 |
| 25512    | 18.0 | \$37.40 |
| 25514    | 19.0 | \$38.73 |
| 25520    | 20.0 | \$42.28 |
| 25522    | 21.0 | \$44.15 |
| 25524    | 22.0 | \$45.80 |
| 25530    | 23.0 | \$47.85 |
| 25532    | 24.0 | \$54.08 |
| 25534    | 25.0 | \$59.65 |

#### Type 131-AG

3/4" Shank Silver & Deming  
Magnum Super Premium  
135° Split Point

These are high performance, close tolerance, tight runout spec. tools designed for drilling with Bridgeport style or other production machines with 3/4" chucks. Special Hi-Molybdenum tool steel with 135° split points for fast penetration and accurate starting without center punch.



| Fractional |        |          |
|------------|--------|----------|
| Part No.   | Size   | Price    |
| 29741      | 13/16  | \$42.75  |
| 29781      | 7/8    | \$46.22  |
| 29821      | 15/16  | \$51.61  |
| 29861      | 1-INCH | \$60.09  |
| 29901      | 1-1/8  | \$86.41  |
| 29941      | 1-1/4  | \$101.34 |
| 29961      | 1-3/8  | \$143.46 |
| 29981      | 1-1/2  | \$164.27 |

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Order: 1-800-328-4655

### Type 130-MRO

#### Maintenance Length 1/2" Reduced Shank 135° Split Point 3-Flats on Shank Surfaced Treated Flutes

The 130-MRO is a new shorter (5") tougher version of our very popular 1/2" reduced shank products. Designed specifically for the needs of the MRO market, the 130-MRO has a split point (135°) to insure fast hole starts without drill walking.



| Fractional |        |         |
|------------|--------|---------|
| Part No.   | Size   | Price   |
| 54291      | 33/64  | \$26.00 |
| 54300      | 17/32  | \$25.68 |
| 54301      | 35/64  | \$27.24 |
| 54310      | 9/16   | \$26.61 |
| 54311      | 37/64  | \$29.49 |
| 54320      | 19/32  | \$29.30 |
| 54321      | 39/64  | \$30.20 |
| 54330      | 5/8    | \$29.55 |
| 54331      | 41/64  | \$32.46 |
| 54340      | 21/32  | \$31.83 |
| 54341      | 43/64  | \$33.33 |
| 54350      | 11/16  | \$33.06 |
| 54351      | 45/64  | \$35.80 |
| 54360      | 23/32  | \$35.19 |
| 54361      | 47/64  | \$36.83 |
| 54370      | 3/4    | \$35.97 |
| 54371      | 49/64  | \$42.39 |
| 54380      | 25/32  | \$41.60 |
| 54381      | 51/64  | \$41.32 |
| 54390      | 13/16  | \$39.74 |
| 54391      | 53/64  | \$47.01 |
| 54400      | 27/32  | \$46.39 |
| 54401      | 55/64  | \$47.64 |
| 54410      | 7/8    | \$43.56 |
| 54411      | 57/64  | \$50.01 |
| 54420      | 29/32  | \$48.75 |
| 54421      | 59/64  | \$52.40 |
| 54430      | 15/16  | \$47.98 |
| 54431      | 61/64  | \$55.33 |
| 54440      | 31/32  | \$54.50 |
| 54441      | 63/64  | \$56.94 |
| 54450      | 1-INCH | \$55.88 |

| Set Type-130-MRO Silver & Deming |          |          |
|----------------------------------|----------|----------|
| Part No                          | Size     | Price    |
| 54520                            | S&D-4MRO | \$161.51 |

### Type 130-D

#### 1/2" Shank Silver & Deming 135° Split Point Super High-Speed M42 Cobalt

Heavy-duty 135° split point with gold finish for use in drilling hard tough metals, free machining stainless steel, high temperature alloys, titanium and certain plastics.



| Part No. | Size  | Price   |
|----------|-------|---------|
| 29131    | 33/64 | \$40.36 |
| 29141    | 17/32 | \$49.95 |
| 29151    | 35/64 | \$49.95 |
| 29161    | 9/16  | \$47.55 |
| 29171    | 37/64 | \$50.75 |
| 29181    | 19/32 | \$48.21 |
| 29191    | 39/64 | \$56.21 |
| 29201    | 5/8   | \$53.51 |
| 29211    | 41/64 | \$56.99 |
| 29221    | 21/32 | \$54.13 |
| 29231    | 43/64 | \$64.45 |
| 29241    | 11/16 | \$59.29 |
| 29251    | 45/64 | \$68.36 |
| 29261    | 23/32 | \$66.31 |
| 29271    | 47/64 | \$68.73 |
| 29281    | 3/4   | \$65.42 |
| 29291    | 49/64 | \$71.96 |
| 29331    | 25/32 | \$79.36 |

| Continued Fractional Type 130-D |        |          |
|---------------------------------|--------|----------|
| Part No.                        | Size   | Price    |
| 29311                           | 51/64  | \$79.36  |
| 29321                           | 13/16  | \$72.93  |
| 29301                           | 53/64  | \$80.22  |
| 29341                           | 27/32  | \$83.33  |
| 29351                           | 55/64  | \$83.33  |
| 29361                           | 7/8    | \$79.03  |
| 29371                           | 57/64  | \$86.93  |
| 29381                           | 29/32  | \$92.78  |
| 29391                           | 59/64  | \$92.78  |
| 29401                           | 15/16  | \$88.35  |
| 29411                           | 61/64  | \$99.46  |
| 29421                           | 31/32  | \$108.11 |
| 29431                           | 63/64  | \$108.11 |
| 29441                           | 1-INCH | \$102.90 |

| Sets 1/2" Shank M42 Cobalt |       |          |
|----------------------------|-------|----------|
| Part No.                   | Size  | Price    |
| 29551                      | S&D-4 | \$288.71 |
| 29571                      | S&D-8 | \$654.36 |

### Type 130-AGX

#### 1/2" Shank Silver & Deming Premium - 3-Flats on Shank 118° Split Point

- M-2 High Speed Steel
- Precision ground point, flutes, body and clearance.
- Standard 118° split point for general purpose drilling in metal, wood and plastic.



| Fractional Type 130-AGX |        |         |
|-------------------------|--------|---------|
| Part No.                | Size   | Price   |
| 74001                   | 33/64  | \$22.90 |
| 74011                   | 17/32  | \$21.81 |
| 74021                   | 35/64  | \$23.89 |
| 74031                   | 9/16   | \$22.51 |
| 74041                   | 37/64  | \$26.15 |
| 74051                   | 19/32  | \$24.90 |
| 74061                   | 39/64  | \$26.36 |
| 74071                   | 5/8    | \$25.09 |
| 74081                   | 41/64  | \$28.36 |
| 74091                   | 21/32  | \$27.03 |
| 74101                   | 43/64  | \$29.47 |
| 74111                   | 11/16  | \$28.07 |
| 74121                   | 45/64  | \$31.01 |
| 74131                   | 23/32  | \$29.52 |
| 74141                   | 47/64  | \$32.11 |
| 74151                   | 3/4    | \$30.59 |
| 74161                   | 49/64  | \$34.80 |
| 74171                   | 25/32  | \$33.11 |
| 74181                   | 51/64  | \$35.42 |
| 74191                   | 13/16  | \$33.73 |
| 74201                   | 53/64  | \$37.46 |
| 74211                   | 27/32  | \$35.68 |
| 74221                   | 55/64  | \$38.32 |
| 74231                   | 7/8    | \$36.49 |
| 74241                   | 57/64  | \$40.65 |
| 74251                   | 29/32  | \$38.73 |
| 74261                   | 59/64  | \$42.79 |
| 74271                   | 15/16  | \$40.75 |
| 74281                   | 61/64  | \$46.14 |
| 74291                   | 31/32  | \$43.93 |
| 74301                   | 63/64  | \$49.83 |
| 74311                   | 1-INCH | \$47.43 |
| 74321                   | 1-1/16 | \$62.35 |
| 74331                   | 1-1/8  | \$68.23 |
| 74341                   | 1-5/32 | \$71.07 |
| 74351                   | 1-3/16 | \$72.62 |
| 74361                   | 1-1/4  | \$80.00 |

| Sets Type 130-AGX |          |          |
|-------------------|----------|----------|
| Part No.          | Size     | Price    |
| 74771             | S&D-4AGX | \$144.95 |
| 74781             | S&D-8AGX | \$350.06 |

### Type 130

#### 1/2" Shank Silver & Deming 118° Point, General Purpose - HSS

This general purpose 118° point high-speed steel drill is recommended for use in portable air and electric drilling equipment with 1/2" chucks. Type 130 drills may be used in power applications such as drill presses where a short rigid drill is required.



| Fractional |         |          |
|------------|---------|----------|
| Part No.   | Size    | Price    |
| 29130      | 33/64   | \$25.34  |
| 29140      | 17/32   | \$24.12  |
| 29150      | 35/64   | \$26.42  |
| 29160      | 9/16    | \$25.16  |
| 29170      | 37/64   | \$28.92  |
| 29180      | 19/32   | \$27.55  |
| 29190      | 39/64   | \$29.17  |
| 29200      | 5/8     | \$27.77  |
| 29210      | 41/64   | \$31.40  |
| 29220      | 21/32   | \$29.90  |
| 29230      | 43/64   | \$32.61  |
| 29240      | 11/16   | \$31.05  |
| 29250      | 45/64   | \$34.34  |
| 29260      | 23/32   | \$32.68  |
| 29270      | 47/64   | \$35.54  |
| 29280      | 3/4     | \$33.83  |
| 29290      | 49/64   | \$38.50  |
| 29300      | 25/32   | \$36.69  |
| 29310      | 51/64   | \$39.21  |
| 29320      | 13/16   | \$37.35  |
| 29330      | 53/64   | \$41.45  |
| 29340      | 27/32   | \$39.49  |
| 29350      | 55/64   | \$42.40  |
| 29360      | 7/8     | \$40.39  |
| 29370      | 57/64   | \$45.01  |
| 29380      | 29/32   | \$42.84  |
| 29390      | 59/64   | \$47.36  |
| 29400      | 15/16   | \$45.10  |
| 29410      | 61/64   | \$51.04  |
| 29420      | 31/32   | \$48.64  |
| 29430      | 63/64   | \$55.15  |
| 29440      | 1-INCH  | \$52.52  |
| 29450      | 1-1/16  | \$69.01  |
| 29460      | 1-1/8   | \$75.48  |
| 29470      | 1-5/32  | \$78.64  |
| 29480      | 1-3/16  | \$80.39  |
| 29490      | 1-1/4   | \$88.61  |
| 29540      | 1-47/64 | \$137.56 |

### Type 130 Sets/Displays

#### 1/2" Shank Silver & Deming 118° Point, General Purpose - HSS

| Part No. | Size   | Price      |
|----------|--------|------------|
| 12260    | S&D-4  | \$154.63   |
| 43200    | S&D-8  | \$359.85   |
| 43202    | S&D-13 | \$637.76   |
| 43201    | S&D-33 | \$1,292.18 |

| Silver & Deming Displays |                       |          |
|--------------------------|-----------------------|----------|
| Part No.                 | Size                  | Price    |
| 43202                    | S&D-13                | \$637.76 |
| 00934                    | Display Only (SD-CAB) | \$328.87 |

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## Magnum Super Premium, Black & Gold

### Metric Drills

#### Type 170-AG

#### Jobber Length - Metric

#### 135° Split Point

#### Magnum Super Premium

Special Hi-Molybdenum tool steel with 135° split points for fast penetration and accurate starting without a center punch. Precision ground point, flutes, body, clearance and drill diameter for the ultimate in accuracy and performance. Body and clearance are gold surface treated for maximum lubricity.



| Metric   |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 48760    | 0.70 | \$3.47 |
| 48780    | 0.80 | \$2.47 |
| 48790    | 0.85 | \$2.32 |
| 48800    | 0.90 | \$1.79 |
| 49990    | 0.95 | \$1.79 |
| 48690    | 0.98 | \$1.79 |
| 48820    | 1.00 | \$1.68 |
| 48750    | 1.05 | \$1.68 |
| 48840    | 1.10 | \$1.68 |
| 48850    | 1.15 | \$1.68 |
| 23270    | 1.18 | \$1.68 |
| 48860    | 1.20 | \$1.68 |
| 48870    | 1.25 | \$1.68 |
| 48880    | 1.30 | \$1.68 |
| 48890    | 1.35 | \$1.68 |
| 48900    | 1.40 | \$1.68 |
| 48910    | 1.45 | \$1.68 |
| 48920    | 1.50 | \$1.68 |
| 48930    | 1.55 | \$1.68 |
| 48940    | 1.60 | \$1.68 |
| 48950    | 1.65 | \$1.68 |
| 48960    | 1.70 | \$1.68 |
| 48970    | 1.75 | \$1.68 |
| 48980    | 1.80 | \$1.68 |
| 49000    | 1.90 | \$1.68 |
| 49010    | 1.95 | \$1.68 |
| 49020    | 2.00 | \$1.47 |
| 49030    | 2.05 | \$1.58 |
| 49040    | 2.10 | \$1.58 |
| 49060    | 2.20 | \$1.58 |
| 49080    | 2.30 | \$1.58 |
| 49100    | 2.40 | \$1.58 |
| 49120    | 2.50 | \$1.58 |
| 49130    | 2.60 | \$1.59 |
| 49140    | 2.70 | \$1.59 |
| 49150    | 2.80 | \$1.59 |
| 49160    | 2.90 | \$1.47 |
| 49170    | 3.00 | \$1.47 |
| 49180    | 3.10 | \$1.62 |
| 49190    | 3.20 | \$1.70 |
| 49200    | 3.30 | \$1.70 |
| 49210    | 3.40 | \$1.70 |
| 49220    | 3.50 | \$1.75 |
| 49230    | 3.60 | \$1.75 |
| 49240    | 3.70 | \$1.75 |
| 49250    | 3.80 | \$1.81 |
| 49260    | 3.90 | \$1.81 |
| 49270    | 4.00 | \$1.83 |
| 49280    | 4.10 | \$1.93 |
| 49290    | 4.20 | \$1.95 |
| 49300    | 4.30 | \$1.95 |
| 49310    | 4.40 | \$2.14 |
| 49320    | 4.50 | \$2.25 |
| 49330    | 4.60 | \$2.31 |

| Metric   |       |         |
|----------|-------|---------|
| Part No. | Size  | Price   |
| 49340    | 4.70  | \$2.40  |
| 49350    | 4.80  | \$2.47  |
| 49360    | 4.90  | \$2.55  |
| 49370    | 5.00  | \$2.55  |
| 49380    | 5.10  | \$2.61  |
| 49390    | 5.20  | \$2.67  |
| 49400    | 5.30  | \$2.72  |
| 49410    | 5.40  | \$2.78  |
| 49420    | 5.50  | \$2.73  |
| 49430    | 5.60  | \$3.03  |
| 49440    | 5.70  | \$3.03  |
| 49450    | 5.80  | \$3.07  |
| 49460    | 5.90  | \$3.05  |
| 49470    | 6.00  | \$3.05  |
| 49480    | 6.10  | \$3.13  |
| 49490    | 6.20  | \$3.36  |
| 49500    | 6.30  | \$3.36  |
| 49510    | 6.40  | \$3.67  |
| 49520    | 6.50  | \$3.61  |
| 49530    | 6.60  | \$3.73  |
| 49540    | 6.70  | \$3.67  |
| 49550    | 6.80  | \$3.94  |
| 49560    | 6.90  | \$3.99  |
| 49570    | 7.00  | \$3.94  |
| 49580    | 7.10  | \$4.39  |
| 49590    | 7.20  | \$4.45  |
| 49600    | 7.30  | \$4.54  |
| 49610    | 7.40  | \$4.63  |
| 49620    | 7.50  | \$4.57  |
| 49630    | 7.60  | \$4.86  |
| 49640    | 7.70  | \$5.02  |
| 49650    | 7.80  | \$5.02  |
| 49660    | 7.90  | \$5.12  |
| 49670    | 8.00  | \$5.24  |
| 49680    | 8.10  | \$5.67  |
| 49690    | 8.20  | \$5.67  |
| 49700    | 8.30  | \$5.77  |
| 49710    | 8.40  | \$5.77  |
| 49720    | 8.50  | \$5.94  |
| 49730    | 8.60  | \$5.82  |
| 49740    | 8.70  | \$6.18  |
| 49750    | 8.80  | \$6.40  |
| 49760    | 8.90  | \$6.75  |
| 49770    | 9.00  | \$6.75  |
| 49780    | 9.10  | \$7.36  |
| 49790    | 9.20  | \$7.36  |
| 49800    | 9.30  | \$7.36  |
| 49810    | 9.40  | \$7.36  |
| 49820    | 9.50  | \$7.14  |
| 49830    | 9.60  | \$7.68  |
| 49840    | 9.70  | \$7.68  |
| 49850    | 9.80  | \$8.01  |
| 49860    | 9.90  | \$8.01  |
| 49870    | 10.00 | \$8.17  |
| 12450    | 10.10 | \$8.21  |
| 49880    | 10.20 | \$8.78  |
| 12510    | 10.30 | \$9.46  |
| 50220    | 10.40 | \$9.46  |
| 49890    | 10.50 | \$9.46  |
| 12460    | 10.60 | \$9.50  |
| 50230    | 10.70 | \$9.70  |
| 49900    | 10.80 | \$9.87  |
| 12470    | 10.90 | \$10.03 |
| 49910    | 11.00 | \$10.02 |
| 12480    | 11.10 | \$10.09 |
| 49920    | 11.20 | \$10.25 |
| 50240    | 11.30 | \$11.97 |
| 12490    | 11.40 | \$10.53 |
| 49930    | 11.50 | \$10.84 |

| Metric   |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 12500    | 11.6 | \$10.67 |
| 50250    | 11.7 | \$11.00 |
| 49940    | 11.8 | \$11.00 |
| 12520    | 11.9 | \$11.31 |
| 49950    | 12.0 | \$11.38 |
| 12530    | 12.1 | \$11.00 |
| 49960    | 12.2 | \$11.00 |
| 50260    | 12.3 | \$11.75 |
| 12540    | 12.4 | \$11.75 |
| 49970    | 12.5 | \$12.06 |
| 12550    | 12.6 | \$11.99 |
| 12570    | 12.7 | \$12.27 |
| 50270    | 12.8 | \$12.52 |
| 12560    | 12.9 | \$12.73 |
| 49980    | 13.0 | \$13.81 |

### Type 170-AG Sets/Displays

#### Metric Jobber Length 135° Split Point Black & Gold Magnum Super Premium

| Part No. | Size    | Price    |
|----------|---------|----------|
| 58650    | SP-11M  | \$30.47  |
| 49042    | SP-13M  | \$45.98  |
| 58920    | SP-19M  | \$83.25  |
| 58660    | SP-25M  | \$152.17 |
| 49043    | SP-41M  | \$279.80 |
| 60090    | SP-118M | \$627.17 |

#### Metric Drills - 91 Piece Assortment

| Part No. | Size  | Price    |
|----------|-------|----------|
| 18910    | 91-SP | \$563.95 |

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Order: 1-800-328-4655

## Metric Drills

## Type 170

## Jobber Length - Metric

## 118° Point, General Purpose

## Black Oxide - High-Speed Steel

This 118° point, high speed steel drill performs well in a wide variety of ferrous metal drilling applications. The black surface treatment prevents chip welding and increases abrasion resistance.



| Metric   |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 20630    | 0.75 | \$2.95  |
| 20640    | 0.80 | \$2.51  |
| 20650    | 0.85 | \$2.37  |
| 20660    | 0.90 | \$2.00  |
| 20670    | 0.95 | \$2.00  |
| 20680    | 1.00 | \$1.57  |
| 20690    | 1.05 | \$1.57  |
| 20700    | 1.10 | \$1.57  |
| 20710    | 1.15 | \$1.57  |
| 20720    | 1.20 | \$1.57  |
| 20730    | 1.25 | \$1.57  |
| 20740    | 1.30 | \$1.57  |
| 20750    | 1.35 | \$1.57  |
| 20760    | 1.40 | \$1.57  |
| 20780    | 1.50 | \$1.57  |
| 20800    | 1.60 | \$1.57  |
| 20820    | 1.70 | \$1.57  |
| 20830    | 1.75 | \$1.57  |
| 20840    | 1.80 | \$1.57  |
| 20860    | 1.90 | \$1.57  |
| 20880    | 2.00 | \$1.45  |
| 20980    | 2.50 | \$1.45  |
| 21040    | 3.00 | \$1.45  |
| 21110    | 3.50 | \$1.45  |
| 21170    | 4.00 | \$1.76  |
| 21230    | 4.50 | \$2.08  |
| 21290    | 5.00 | \$2.21  |
| 21350    | 5.50 | \$2.69  |
| 21410    | 6.00 | \$3.10  |
| 21470    | 6.50 | \$3.45  |
| 21530    | 7.00 | \$3.71  |
| 21590    | 7.50 | \$4.66  |
| 21650    | 8.00 | \$4.72  |
| 21710    | 8.50 | \$5.48  |
| 21770    | 9.00 | \$7.31  |
| 21830    | 9.50 | \$7.31  |
| 21890    | 10.0 | \$9.59  |
| 21900    | 10.5 | \$9.59  |
| 21910    | 11.0 | \$9.59  |
| 21920    | 11.5 | \$10.33 |
| 21930    | 12.0 | \$11.52 |
| 21940    | 12.5 | \$11.52 |
| 21950    | 13.0 | \$11.90 |

## Type 170 Sets

## Jobber Length - Metric

## 118° Point, General Purpose

## Black Oxide - High-Speed Steel

| Part No. | Size | Price    |
|----------|------|----------|
| 44050    | M-11 | \$28.08  |
| 44180    | M-13 | \$43.05  |
| 44060    | M-25 | \$149.28 |

## Type 170-W

## Jobber Length - Metric

## 118° Pt. General Purpose -

## Bright Finish High-Speed Steel

This 118° point, high-speed steel drill performs well in a wide variety of drilling applications. It is recommended for non-ferrous metals, wood and plastics.



| Metric   |       |         |
|----------|-------|---------|
| Part No. | Size  | Price   |
| 17160    | 0.75  | \$2.95  |
| 17070    | 0.80  | \$2.51  |
| 17080    | 0.85  | \$2.37  |
| 29020    | 0.90  | \$2.00  |
| 29030    | 0.95  | \$2.00  |
| 29040    | 1.00  | \$1.57  |
| 29050    | 1.05  | \$1.57  |
| 29060    | 1.10  | \$1.57  |
| 17100    | 1.15  | \$1.57  |
| 29070    | 1.20  | \$1.57  |
| 17150    | 1.25  | \$1.57  |
| 29080    | 1.30  | \$1.57  |
| 29090    | 1.35  | \$1.57  |
| 29100    | 1.40  | \$1.57  |
| 17110    | 1.50  | \$1.57  |
| 29110    | 1.60  | \$1.57  |
| 29010    | 1.70  | \$1.57  |
| 17120    | 1.75  | \$1.57  |
| 17130    | 1.80  | \$1.57  |
| 29120    | 1.90  | \$1.57  |
| 20881    | 2.00  | \$1.45  |
| 20981    | 2.50  | \$1.45  |
| 21041    | 3.00  | \$1.45  |
| 21111    | 3.50  | \$1.45  |
| 21171    | 4.00  | \$1.76  |
| 21231    | 4.50  | \$2.08  |
| 21291    | 5.00  | \$2.21  |
| 21351    | 5.50  | \$2.69  |
| 21411    | 6.00  | \$3.10  |
| 21471    | 6.50  | \$3.45  |
| 21531    | 7.00  | \$3.71  |
| 21591    | 7.50  | \$4.66  |
| 21651    | 8.00  | \$5.16  |
| 21711    | 8.50  | \$5.48  |
| 21771    | 9.00  | \$7.31  |
| 21831    | 9.50  | \$7.31  |
| 21891    | 10.00 | \$9.59  |
| 21901    | 10.50 | \$9.59  |
| 21911    | 11.00 | \$9.59  |
| 21921    | 11.50 | \$10.33 |
| 21931    | 12.00 | \$11.52 |
| 21941    | 12.50 | \$11.52 |
| 21951    | 13.00 | \$11.90 |

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## Heavy-Duty, Cobalt, High-Speed Steel

## Metric Drills

## Type 150-M

## Jobber Length - 135° Split Point

## M42 Cobalt NAS 907-J Heavy-Duty

Heavy-duty 135° split point with gold finish for use in drilling hard tough metals, free machining stainless steel, high temperature alloys, titanium and certain plastics. High red hardness of cobalt steel permits speeds 30% higher than regular high-speed steel drills.



| Metric   |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 27050    | 0.90 | \$2.40 |
| 27060    | 0.95 | \$2.40 |
| 27070    | 1.00 | \$2.27 |
| 27080    | 1.05 | \$2.27 |
| 27100    | 1.20 | \$2.27 |
| 27110    | 1.30 | \$2.27 |
| 08831    | 1.40 | \$2.27 |
| 27130    | 1.50 | \$2.27 |
| 27140    | 1.60 | \$2.27 |
| 27150    | 1.70 | \$2.27 |
| 27160    | 1.80 | \$2.27 |
| 27170    | 1.90 | \$2.27 |
| 26460    | 2.00 | \$1.95 |
| 26470    | 2.10 | \$1.95 |
| 26480    | 2.20 | \$2.01 |
| 26490    | 2.30 | \$2.01 |
| 26500    | 2.40 | \$2.01 |
| 26510    | 2.50 | \$2.06 |
| 26520    | 2.60 | \$2.13 |
| 26530    | 2.70 | \$2.15 |
| 26540    | 2.80 | \$2.23 |
| 26550    | 2.90 | \$2.27 |
| 26560    | 3.00 | \$2.32 |
| 26570    | 3.10 | \$2.52 |
| 26580    | 3.20 | \$2.62 |
| 26590    | 3.30 | \$2.67 |
| 26600    | 3.40 | \$2.67 |
| 26610    | 3.50 | \$2.67 |
| 26620    | 3.60 | \$2.81 |
| 26630    | 3.70 | \$2.81 |
| 26640    | 3.80 | \$2.85 |
| 26650    | 3.90 | \$3.14 |
| 26660    | 4.00 | \$3.14 |
| 26670    | 4.10 | \$3.20 |
| 26680    | 4.20 | \$3.20 |
| 26690    | 4.30 | \$3.20 |
| 34570    | 4.40 | \$3.38 |
| 26700    | 4.50 | \$3.52 |
| 26710    | 4.60 | \$3.85 |
| 26720    | 4.70 | \$3.75 |
| 26730    | 4.80 | \$4.29 |
| 26740    | 4.90 | \$4.44 |
| 26750    | 5.00 | \$4.44 |
| 33960    | 5.10 | \$4.58 |
| 33970    | 5.20 | \$4.84 |
| 33980    | 5.30 | \$5.10 |
| 33990    | 5.40 | \$5.10 |
| 34000    | 5.50 | \$4.70 |
| 34010    | 5.60 | \$5.23 |
| 34020    | 5.70 | \$5.59 |
| 34030    | 5.80 | \$5.59 |
| 34040    | 5.90 | \$5.59 |
| 34050    | 6.00 | \$5.23 |
| 34060    | 6.10 | \$5.53 |
| 34070    | 6.20 | \$6.01 |
| 34080    | 6.30 | \$6.20 |
| 34090    | 6.40 | \$6.20 |
| 34100    | 6.50 | \$6.29 |
| 34110    | 6.60 | \$6.37 |
| 34120    | 6.70 | \$6.37 |

| Metric   |       |         |
|----------|-------|---------|
| Part No. | Size  | Price   |
| 34130    | 6.80  | \$6.75  |
| 34140    | 6.90  | \$6.75  |
| 34150    | 7.00  | \$6.75  |
| 34160    | 7.10  | \$7.30  |
| 34170    | 7.20  | \$7.30  |
| 34180    | 7.30  | \$7.30  |
| 34190    | 7.40  | \$7.98  |
| 34200    | 7.50  | \$7.82  |
| 34210    | 7.60  | \$8.21  |
| 34220    | 7.70  | \$8.47  |
| 34230    | 7.80  | \$8.47  |
| 34240    | 7.90  | \$8.96  |
| 34250    | 8.00  | \$8.89  |
| 34260    | 8.10  | \$9.22  |
| 34270    | 8.20  | \$9.51  |
| 34280    | 8.30  | \$10.06 |
| 34290    | 8.40  | \$10.42 |
| 34300    | 8.50  | \$10.33 |
| 34310    | 8.60  | \$10.72 |
| 34320    | 8.70  | \$10.72 |
| 34330    | 8.80  | \$10.72 |
| 34340    | 8.90  | \$12.03 |
| 34350    | 9.00  | \$11.80 |
| 34360    | 9.10  | \$12.22 |
| 34370    | 9.20  | \$12.60 |
| 34380    | 9.30  | \$12.72 |
| 34390    | 9.40  | \$13.50 |
| 34400    | 9.50  | \$13.35 |
| 34410    | 9.60  | \$14.30 |
| 34420    | 9.70  | \$14.30 |
| 34430    | 9.80  | \$14.30 |
| 34440    | 9.90  | \$14.46 |
| 34450    | 10.00 | \$14.57 |
| 34452    | 10.10 | \$15.05 |
| 34460    | 10.20 | \$15.52 |
| 34461    | 10.30 | \$15.99 |
| 34462    | 10.40 | \$16.30 |
| 34470    | 10.50 | \$16.60 |
| 34472    | 10.60 | \$16.82 |
| 34512    | 10.70 | \$16.82 |
| 34480    | 10.80 | \$17.04 |
| 34482    | 10.90 | \$17.04 |
| 34490    | 11.00 | \$17.49 |
| 34492    | 11.10 | \$18.12 |
| 34500    | 11.20 | \$18.12 |
| 34502    | 11.30 | \$18.91 |
| 34504    | 11.40 | \$20.52 |
| 34510    | 11.50 | \$20.52 |
| 34514    | 11.60 | \$21.08 |
| 34519    | 11.70 | \$21.63 |
| 34520    | 11.80 | \$21.64 |
| 34522    | 11.90 | \$21.63 |
| 34530    | 12.00 | \$21.64 |
| 34540    | 12.20 | \$21.86 |
| 34542    | 12.30 | \$21.94 |
| 34544    | 12.40 | \$21.99 |
| 34550    | 12.50 | \$22.02 |
| 34552    | 12.60 | \$22.36 |
| 34580    | 12.70 | \$21.63 |
| 34560    | 13.00 | \$24.04 |

## Type 150-M Sets

## Cobalt Jobber Length - Metric NAS 907J

| Cobalt - Metric |       |          |
|-----------------|-------|----------|
| Part No.        | Size  | Price    |
| 58670           | D-11M | \$45.38  |
| 49082           | D-13M | \$62.73  |
| 49081           | D-19M | \$134.75 |
| 58680           | D-25M | \$246.91 |
| 49083           | D-41M | \$447.24 |

## Type XGT-J

## Jobber Length - Super M42 Cobalt, High-Speed Steel DIN 338 Heavy-Duty

Gold surface treated for maximum lubricity.

Heavy-duty construction, 135° split point, no center punch needed - will not walk. Gyroidal Torsion flute and land construction yields exceptional performance in deep hole drilling applications.

Recommended for a wide range of steels, castings and other hard metal drilling applications.

\* M2 TiN Coated sizes 1.00 - 1.55mm



| Metric   |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| *00200   | 1.00 | \$3.71 |
| *00201   | 1.02 | \$3.71 |
| *00202   | 1.04 | \$3.71 |
| *00203   | 1.05 | \$3.71 |
| *00204   | 1.07 | \$3.71 |
| *00210   | 1.09 | \$3.71 |
| *00211   | 1.10 | \$3.71 |
| *00212   | 1.15 | \$3.71 |
| *00213   | 1.18 | \$3.71 |
| *00214   | 1.19 | \$3.71 |
| *00220   | 1.20 | \$3.71 |
| *00221   | 1.25 | \$3.71 |
| *00222   | 1.30 | \$3.71 |
| *00223   | 1.32 | \$3.71 |
| *00224   | 1.35 | \$3.71 |
| *00230   | 1.40 | \$3.71 |
| *00232   | 1.45 | \$3.71 |
| *00233   | 1.50 | \$3.71 |
| *00234   | 1.51 | \$3.71 |
| *00240   | 1.55 | \$3.71 |
| 00241    | 1.59 | \$3.71 |
| 00242    | 1.60 | \$3.30 |
| 00243    | 1.61 | \$3.30 |
| 00244    | 1.65 | \$3.30 |
| 00250    | 1.70 | \$3.30 |
| 00252    | 1.75 | \$3.30 |
| 00253    | 1.78 | \$3.30 |
| 00254    | 1.80 | \$3.30 |
| 00260    | 1.85 | \$3.30 |
| 00262    | 1.90 | \$3.30 |
| 00263    | 1.93 | \$3.30 |
| 00264    | 1.95 | \$3.30 |
| 00270    | 1.98 | \$3.30 |
| 00271    | 1.99 | \$3.30 |
| 00272    | 2.00 | \$3.34 |
| 00273    | 2.05 | \$3.34 |
| 00274    | 2.06 | \$3.34 |
| 00280    | 2.08 | \$3.41 |
| 00281    | 2.10 | \$3.41 |
| 00282    | 2.15 | \$3.43 |
| 00283    | 2.18 | \$3.43 |
| 00284    | 2.20 | \$3.45 |
| 00290    | 2.25 | \$3.45 |
| 00291    | 2.26 | \$3.45 |
| 00292    | 2.30 | \$3.52 |
| 00293    | 2.35 | \$3.52 |
| 00294    | 2.37 | \$3.64 |
| 00300    | 2.38 | \$3.64 |
| 00301    | 2.40 | \$3.65 |
| 00302    | 2.44 | \$3.65 |
| 00303    | 2.45 | \$3.69 |
| 00304    | 2.49 | \$3.69 |
| 00310    | 2.50 | \$3.69 |
| 00311    | 2.53 | \$3.75 |
| 00231    | 2.55 | \$3.75 |
| 00312    | 2.58 | \$3.77 |
| 00313    | 2.60 | \$3.77 |
| 00314    | 2.64 | \$3.86 |
| 00251    | 2.65 | \$3.86 |
| 00320    | 2.70 | \$3.86 |
| 00321    | 2.71 | \$3.90 |
| 00261    | 2.75 | \$3.94 |
| 00322    | 2.78 | \$3.94 |
| 00323    | 2.79 | \$3.94 |
| 00324    | 2.80 | \$3.96 |
| 00330    | 2.82 | \$3.96 |
| 00360    | 2.85 | \$3.98 |

Continued Type XGT-J on page 29

## Metric Drills

## Type XGT-J

## Jobber Length - Super M42 Cobalt, High-Speed Steel DIN 338 Heavy-Duty

| Part No. | Size | Price  |
|----------|------|--------|
| 00331    | 2.87 | \$3.98 |
| 00332    | 2.90 | \$4.00 |
| 00333    | 2.95 | \$4.00 |
| 00334    | 3.00 | \$4.01 |
| 00340    | 3.05 | \$4.01 |
| 00341    | 3.10 | \$4.21 |
| 00342    | 3.17 | \$4.21 |
| 00343    | 3.20 | \$4.39 |
| 00371    | 3.25 | \$4.39 |
| 00344    | 3.26 | \$4.39 |
| 00350    | 3.30 | \$4.47 |
| 00351    | 3.40 | \$4.47 |
| 00352    | 3.45 | \$4.49 |
| 00353    | 3.50 | \$4.49 |
| 00354    | 3.57 | \$4.51 |
| 00361    | 3.60 | \$4.51 |
| 00362    | 3.66 | \$4.54 |
| 00363    | 3.70 | \$4.54 |
| 00364    | 3.73 | \$4.60 |
| 00370    | 3.80 | \$4.63 |
| 00372    | 3.86 | \$4.63 |
| 00373    | 3.90 | \$4.66 |
| 00374    | 3.91 | \$4.66 |
| 00380    | 3.97 | \$4.76 |
| 00381    | 3.99 | \$4.85 |
| 00382    | 4.00 | \$4.85 |
| 00383    | 4.04 | \$4.88 |
| 00384    | 4.09 | \$4.88 |
| 00390    | 4.10 | \$5.03 |
| 00391    | 4.15 | \$5.07 |
| 00392    | 4.20 | \$5.09 |
| 00393    | 4.22 | \$5.09 |
| 00480    | 4.25 | \$5.12 |
| 00394    | 4.30 | \$5.21 |
| 00680    | 4.31 | \$5.21 |
| 00400    | 4.37 | \$5.27 |
| 00401    | 4.39 | \$5.27 |
| 00402    | 4.40 | \$5.55 |
| 00403    | 4.50 | \$5.55 |
| 00404    | 4.55 | \$5.65 |
| 00410    | 4.57 | \$5.65 |
| 00411    | 4.60 | \$5.70 |
| 00412    | 4.62 | \$5.70 |
| 00413    | 4.70 | \$5.80 |
| 00414    | 4.75 | \$5.94 |
| 00420    | 4.76 | \$5.94 |
| 00421    | 4.80 | \$6.06 |
| 00423    | 4.85 | \$6.10 |
| 00424    | 4.90 | \$5.91 |
| 00430    | 4.91 | \$5.91 |
| 00431    | 4.98 | \$6.20 |
| 00432    | 5.00 | \$6.20 |
| 00433    | 5.05 | \$6.39 |
| 00434    | 5.10 | \$6.39 |
| 00440    | 5.11 | \$6.45 |
| 00441    | 5.16 | \$6.66 |
| 00442    | 5.18 | \$6.77 |
| 00443    | 5.20 | \$6.97 |
| 00444    | 5.22 | \$7.10 |
| 00481    | 5.25 | \$7.20 |
| 00450    | 5.30 | \$7.50 |
| 00451    | 5.31 | \$7.50 |
| 00452    | 5.40 | \$7.69 |
| 00453    | 5.41 | \$7.69 |
| 00454    | 5.50 | \$7.81 |
| 00460    | 5.56 | \$7.81 |
| 00461    | 5.60 | \$7.91 |
| 00462    | 5.61 | \$7.93 |
| 00463    | 5.70 | \$7.98 |
| 00482    | 5.75 | \$7.98 |
| 00464    | 5.79 | \$8.32 |
| 00470    | 5.80 | \$8.32 |
| 00471    | 5.90 | \$8.80 |
| 00472    | 5.94 | \$8.89 |

| Part No. | Size  | Price   |
|----------|-------|---------|
| 00473    | 5.95  | \$9.08  |
| 00474    | 6.00  | \$9.08  |
| 00483    | 6.05  | \$9.19  |
| 00484    | 6.10  | \$9.42  |
| 00490    | 6.15  | \$9.42  |
| 00491    | 6.20  | \$9.60  |
| 00492    | 6.25  | \$9.60  |
| 00493    | 6.30  | \$9.64  |
| 00494    | 6.35  | \$9.85  |
| 00500    | 6.40  | \$9.93  |
| 00501    | 6.50  | \$9.93  |
| 00502    | 6.53  | \$10.18 |
| 00503    | 6.60  | \$10.29 |
| 00504    | 6.63  | \$10.66 |
| 00510    | 6.70  | \$10.75 |
| 00511    | 6.75  | \$10.88 |
| 00513    | 6.80  | \$10.91 |
| 00514    | 6.90  | \$10.91 |
| 00520    | 7.00  | \$10.91 |
| 00521    | 7.04  | \$11.12 |
| 00522    | 7.10  | \$11.12 |
| 00524    | 7.14  | \$10.91 |
| 00530    | 7.20  | \$11.51 |
| 00531    | 7.30  | \$11.58 |
| 00532    | 7.37  | \$11.65 |
| 00533    | 7.40  | \$11.73 |
| 00540    | 7.50  | \$11.76 |
| 00541    | 7.54  | \$12.18 |
| 00542    | 7.60  | \$12.46 |
| 00543    | 7.67  | \$12.79 |
| 00544    | 7.70  | \$12.96 |
| 00550    | 7.80  | \$13.13 |
| 00551    | 7.90  | \$13.23 |
| 00552    | 7.94  | \$13.24 |
| 00553    | 8.00  | \$13.30 |
| 00554    | 8.03  | \$13.62 |
| 00560    | 8.10  | \$14.35 |
| 00561    | 8.20  | \$14.93 |
| 00562    | 8.30  | \$15.35 |
| 00563    | 8.33  | \$15.41 |
| 00564    | 8.40  | \$15.49 |
| 00570    | 8.43  | \$15.51 |
| 00571    | 8.50  | \$15.51 |
| 00572    | 8.60  | \$15.86 |
| 00573    | 8.70  | \$16.53 |
| 00574    | 8.73  | \$16.65 |
| 00580    | 8.80  | \$16.73 |
| 00581    | 8.84  | \$16.90 |
| 00582    | 8.90  | \$16.92 |
| 00583    | 9.00  | \$16.95 |
| 00584    | 9.10  | \$17.22 |
| 00590    | 9.13  | \$17.38 |
| 00591    | 9.20  | \$17.64 |
| 00592    | 9.30  | \$18.15 |
| 00593    | 9.35  | \$18.22 |
| 00594    | 9.40  | \$18.45 |
| 00600    | 9.50  | \$18.53 |
| 00601    | 9.52  | \$18.93 |
| 00602    | 9.58  | \$19.17 |
| 00603    | 9.60  | \$19.38 |
| 00604    | 9.70  | \$19.51 |
| 00610    | 9.80  | \$19.57 |
| 00611    | 9.90  | \$19.60 |
| 00612    | 9.92  | \$19.60 |
| 00613    | 10.00 | \$19.63 |
| 00614    | 10.08 | \$20.14 |
| 00620    | 10.10 | \$20.82 |
| 00621    | 10.20 | \$21.27 |
| 00622    | 10.26 | \$21.76 |
| 00623    | 10.30 | \$22.10 |
| 00624    | 10.32 | \$22.37 |
| 00630    | 10.40 | \$22.46 |
| 00631    | 10.50 | \$22.57 |
| 00632    | 10.60 | \$23.24 |

| Part No. | Size  | Price   |
|----------|-------|---------|
| 00633    | 10.70 | \$23.63 |
| 00634    | 10.72 | \$24.61 |
| 00640    | 10.80 | \$25.00 |
| 00641    | 10.90 | \$25.30 |
| 00642    | 11.00 | \$25.48 |
| 00643    | 11.10 | \$25.89 |
| 00644    | 11.11 | \$26.02 |
| 00650    | 11.20 | \$26.16 |
| 00651    | 11.30 | \$26.38 |
| 00652    | 11.40 | \$26.50 |
| 00653    | 11.50 | \$26.61 |
| 00654    | 11.51 | \$27.11 |
| 00660    | 11.60 | \$27.49 |
| 00661    | 11.70 | \$28.01 |
| 00662    | 11.75 | \$28.40 |
| 00663    | 11.80 | \$28.71 |
| 00664    | 11.91 | \$28.84 |
| 00670    | 12.00 | \$28.90 |
| 00671    | 12.30 | \$28.96 |
| 00672    | 12.50 | \$29.04 |
| 00673    | 12.70 | \$29.10 |
| 00674    | 13.00 | \$29.17 |

## Type XGT-JN

Titanium Nitride Jobber Length -  
M42 Cobalt, High-Speed Steel  
DIN 338 Heavy-Duty

Heavy-duty construction, 135° split point, no center punch needed - will not walk. Gyroidal Torsion flute and land construction yields exceptional performance in deep hole drilling applications.

**Recommended for a wide range of steels, castings and other hard metal drilling applications.**



| Part No. | Size  | Price   |
|----------|-------|---------|
| 38603    | 1/16  | \$5.00  |
| 38613    | 5/64  | \$4.57  |
| 38623    | 3/32  | \$4.93  |
| 38633    | 7/64  | \$5.24  |
| 38643    | 1/8   | \$5.52  |
| 38653    | 9/64  | \$5.83  |
| 38663    | 5/32  | \$6.09  |
| 38673    | 11/64 | \$6.62  |
| 38683    | 3/16  | \$7.31  |
| 38693    | 13/64 | \$8.94  |
| 38703    | 7/32  | \$10.13 |
| 38713    | 15/64 | \$11.45 |
| 38723    | 1/4   | \$12.25 |
| 38733    | 17/64 | \$14.21 |
| 38743    | 9/32  | \$14.24 |
| 38753    | 19/64 | \$15.57 |
| 38763    | 5/16  | \$16.65 |
| 38773    | 21/64 | \$19.60 |
| 38783    | 11/32 | \$20.90 |
| 38793    | 23/64 | \$21.64 |
| 38803    | 3/8   | \$23.26 |
| 38813    | 25/64 | \$24.62 |
| 38823    | 13/32 | \$27.49 |
| 38833    | 27/64 | \$29.81 |
| 38843    | 7/16  | \$31.28 |
| 38853    | 29/64 | \$33.15 |
| 38863    | 15/32 | \$34.18 |
| 38873    | 31/64 | \$34.77 |
| 38883    | 1/2   | \$34.91 |

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Order: 1-800-328-4655

# Taper Shank Drills

Price List

## High-Speed Steel, Black Oxide

### Taper Shank Drills

#### Type 510

#### High-Speed Steel Regular Shank - Black Oxide Flutes & Clearance

Taper shank drills are made to fit tapered holders. They are designed to perform well under a variety of normal conditions in a wide range of materials.

**PACKAGED INDIVIDUALLY.**



| Fractional |        |          |
|------------|--------|----------|
| Part No.   | Size   | Price    |
| 14150      | 1/8    | \$22.34  |
| 14160      | 9/64   | \$23.00  |
| 14170      | 5/32   | \$22.34  |
| 14180      | 11/64  | \$23.00  |
| 14190      | 3/16   | \$15.56  |
| 14200      | 13/64  | \$17.10  |
| 14210      | 7/32   | \$16.60  |
| 14220      | 15/64  | \$19.57  |
| 14230      | 1/4    | \$17.26  |
| 14240      | 17/64  | \$18.89  |
| 14250      | 9/32   | \$18.34  |
| 14260      | 19/64  | \$23.42  |
| 14270      | 5/16   | \$18.50  |
| 14280      | 21/64  | \$25.68  |
| 14290      | 11/32  | \$27.13  |
| 14300      | 23/64  | \$29.75  |
| 14310      | 3/8    | \$28.88  |
| 14320      | 25/64  | \$30.81  |
| 14330      | 13/32  | \$28.88  |
| 14340      | 27/64  | \$32.87  |
| 14350      | 7/16   | \$26.62  |
| 14360      | 29/64  | \$29.18  |
| 14370      | 15/32  | \$30.53  |
| 14380      | 31/64  | \$35.03  |
| 14390      | 1/2    | \$33.12  |
| 14400      | 33/64  | \$37.78  |
| 14410      | 17/32  | \$37.00  |
| 14420      | 35/64  | \$41.24  |
| 14430      | 9/16   | \$40.34  |
| 14440      | 37/64  | \$43.71  |
| 14450      | 19/32  | \$43.00  |
| 14460      | 39/64  | \$45.70  |
| 14470      | 5/8    | \$44.13  |
| 14480      | 41/64  | \$50.37  |
| 14490      | 21/32  | \$48.74  |
| 14500      | 43/64  | \$54.04  |
| 14510      | 11/16  | \$51.26  |
| 14520      | 45/64  | \$56.31  |
| 14530      | 23/32  | \$54.39  |
| 14540      | 47/64  | \$59.74  |
| 14550      | 3/4    | \$59.74  |
| 14560      | 49/64  | \$70.93  |
| 14570      | 25/32  | \$69.31  |
| 14580      | 51/64  | \$77.64  |
| 14590      | 13/16  | \$72.96  |
| 14600      | 53/64  | \$80.92  |
| 14610      | 27/32  | \$78.36  |
| 14620      | 55/64  | \$83.77  |
| 14630      | 7/8    | \$80.92  |
| 14640      | 57/64  | \$85.58  |
| 14650      | 29/32  | \$87.53  |
| 14660      | 59/64  | \$88.25  |
| 14670      | 15/16  | \$83.04  |
| 14680      | 61/64  | \$91.00  |
| 14690      | 31/32  | \$90.41  |
| 14700      | 63/64  | \$96.63  |
| 14710      | 1-INCH | \$92.84  |
| 14720      | 1-1/64 | \$106.87 |

| Fractional (continued) |         |          |
|------------------------|---------|----------|
| Part No.               | Size    | Price    |
| 14730                  | 1-1/32  | \$102.94 |
| 14740                  | 1-3/64  | \$112.27 |
| 14750                  | 1-1/16  | \$106.87 |
| 14760                  | 1-5/64  | \$129.52 |
| 14770                  | 1-3/32  | \$124.78 |
| 14780                  | 1-7/64  | \$134.69 |
| 14790                  | 1-1/8   | \$131.00 |
| 14800                  | 1-9/64  | \$142.74 |
| 14810                  | 1-5/32  | \$135.80 |
| 14820                  | 1-11/64 | \$144.32 |
| 14830                  | 1-3/16  | \$142.74 |
| 14840                  | 1-13/64 | \$154.45 |
| 14850                  | 1-7/32  | \$152.15 |
| 14860                  | 1-15/64 | \$168.53 |
| 14870                  | 1-1/4   | \$160.60 |
| 14880                  | 1-17/64 | \$194.20 |
| 14890                  | 1-9/32  | \$192.58 |
| 14900                  | 1-19/64 | \$206.77 |
| 14910                  | 1-5/16  | \$195.56 |
| 14920                  | 1-21/64 | \$213.77 |
| 14930                  | 1-11/32 | \$206.77 |
| 14940                  | 1-23/64 | \$218.37 |
| 14950                  | 1-3/8   | \$209.85 |
| 14960                  | 1-25/64 | \$224.60 |
| 14970                  | 1-13/32 | \$224.60 |
| 14980                  | 1-27/64 | \$232.43 |
| 14990                  | 1-7/16  | \$226.92 |
| 15000                  | 1-29/64 | \$244.40 |
| 15010                  | 1-15/32 | \$241.94 |
| 15020                  | 1-31/64 | \$250.76 |
| 15030                  | 1-1/2   | \$243.59 |
| 15040                  | 1-17/32 | \$281.50 |
| 15050                  | 1-9/16  | \$294.66 |
| 15060                  | 1-19/32 | \$318.58 |
| 15070                  | 1-5/8   | \$325.63 |
| 15080                  | 1-21/32 | \$342.60 |
| 15090                  | 1-11/16 | \$351.15 |
| 15100                  | 1-23/32 | \$368.57 |
| 15110                  | 1-3/4   | \$376.07 |
| 15120                  | 1-25/32 | \$390.69 |
| 15130                  | 1-13/16 | \$400.79 |
| 15140                  | 1-27/32 | \$418.61 |
| 15150                  | 1-7/8   | \$419.43 |
| 15160                  | 1-29/32 | \$437.60 |
| 15170                  | 1-15/16 | \$451.26 |
| 15180                  | 1-31/32 | \$461.13 |
| 15190                  | 2-INCH  | \$464.84 |
| 15200                  | 2-1/32  | \$492.17 |
| 15210                  | 2-1/16  | \$495.95 |
| 15220                  | 2-3/32  | \$524.76 |
| 15230                  | 2-1/8   | \$524.76 |
| 15240                  | 2-5/32  | \$559.52 |
| 15250                  | 2-3/16  | \$569.34 |
| 15260                  | 2-7/32  | \$589.89 |
| 15270                  | 2-1/4   | \$594.43 |
| 15280                  | 2-5/16  | \$634.53 |
| 15290                  | 2-3/8   | \$659.40 |
| 15300                  | 2-7/16  | \$832.83 |
| 15310                  | 2-1/2   | \$859.79 |

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Order: 1-800-328-4655

| Letter   |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 15700    | A    | \$30.59 |
| 15710    | B    | \$30.59 |
| 15720    | C    | \$30.59 |
| 15730    | D    | \$30.59 |
| 15740    | E    | \$25.28 |
| 15750    | F    | \$26.70 |
| 15760    | G    | \$32.10 |
| 15770    | H    | \$32.10 |
| 15780    | I    | \$32.10 |
| 15790    | J    | \$32.10 |
| 15800    | K    | \$33.66 |
| 15810    | L    | \$33.66 |
| 15820    | M    | \$33.66 |
| 15830    | N    | \$33.66 |
| 15840    | O    | \$41.74 |
| 15850    | P    | \$42.14 |
| 15860    | Q    | \$45.25 |
| 15870    | R    | \$46.02 |
| 15880    | S    | \$48.37 |
| 15890    | T    | \$48.37 |
| 15900    | U    | \$48.37 |
| 15910    | V    | \$50.88 |
| 15920    | W    | \$50.88 |
| 15930    | X    | \$52.44 |
| 15940    | Y    | \$52.44 |
| 15950    | Z    | \$56.29 |

#### Type 500

#### High-Speed Steel - Black Oxide Shank Smaller than Standard

Taper shank drills are made to fit tapered holders. They are designed to perform well under a variety of normal conditions in a wide range of materials.

**PACKAGED INDIVIDUALLY.**



| Fractional |         |          |
|------------|---------|----------|
| Part No.   | Size    | Price    |
| 16050      | 31/64   | \$36.63  |
| 16060      | 1/2     | \$34.82  |
| 16070      | 33/64   | \$40.19  |
| 16080      | 17/32   | \$40.19  |
| 16090      | 35/64   | \$42.95  |
| 16100      | 9/16    | \$43.91  |
| 16110      | 51/64   | \$78.60  |
| 16120      | 13/16   | \$78.23  |
| 16130      | 53/64   | \$83.67  |
| 16140      | 27/32   | \$83.67  |
| 16150      | 55/64   | \$87.27  |
| 16160      | 7/8     | \$86.00  |
| 16170      | 57/64   | \$89.95  |
| 16180      | 29/32   | \$89.95  |
| 16184      | 1-INCH  | \$77.83  |
| 16190      | 1-5/64  | \$139.24 |
| 16200      | 1-3/32  | \$132.67 |
| 16210      | 1-7/64  | \$141.24 |
| 16220      | 1-1/8   | \$137.85 |
| 16230      | 1-9/64  | \$150.16 |
| 16240      | 1-5/32  | \$150.16 |
| 16250      | 1-11/64 | \$155.07 |
| 16260      | 1-3/16  | \$153.19 |
| 16270      | 1-13/64 | \$166.40 |
| 16280      | 1-7/32  | \$164.54 |
| 16290      | 1-15/64 | \$181.35 |
| 16300      | 1-1/4   | \$180.59 |
| 16320      | 1-17/32 | \$291.58 |
| 16340      | 1-9/16  | \$312.04 |
| 16360      | 1-19/32 | \$333.48 |

Continued Type 500 on page 31

## Taper Shank Drills Type 500

High-Speed Steel - Black Oxide  
Shank Smaller than Standard

PACKAGED INDIVIDUALLY.

| Fractional |         |          |
|------------|---------|----------|
| Part No.   | Size    | Price    |
| 16380      | 1-5/8   | \$341.08 |
| 16400      | 1-21/32 | \$371.67 |
| 16420      | 1-11/16 | \$382.38 |
| 16440      | 1-23/32 | \$380.45 |
| 16460      | 1-3/4   | \$385.52 |
| 16470      | 1-25/32 | \$408.59 |
| 16480      | 1-13/16 | \$409.13 |
| 16490      | 1-27/32 | \$424.08 |
| 16500      | 1-7/8   | \$441.75 |
| 16510      | 1-29/32 | \$455.90 |
| 16520      | 1-15/16 | \$462.45 |
| 16530      | 1-31/32 | \$476.85 |
| 16540      | 2-INCH  | \$482.64 |

## Type 520

High-Speed Steel - Black Oxide  
Shank Larger than Standard

Taper shank drills are made to fit tapered holders. They are designed to perform well under a variety of normal conditions in a wide range of materials.

PACKAGED INDIVIDUALLY.



| Type 520 Fractional |        |          |
|---------------------|--------|----------|
| Part No.            | Size   | Price    |
| 15450               | 3/8    | \$31.29  |
| 15460               | 25/64  | \$32.61  |
| 15470               | 13/32  | \$33.25  |
| 15480               | 27/64  | \$32.61  |
| 15490               | 7/16   | \$34.52  |
| 15500               | 29/64  | \$35.47  |
| 15510               | 15/32  | \$37.28  |
| 15520               | 41/64  | \$62.19  |
| 15530               | 21/32  | \$63.06  |
| 15540               | 43/64  | \$66.76  |
| 15550               | 11/16  | \$69.16  |
| 15560               | 45/64  | \$72.30  |
| 15570               | 23/32  | \$74.10  |
| 15580               | 47/64  | \$78.26  |
| 15590               | 3/4    | \$79.12  |
| 15600               | 49/64  | \$86.96  |
| 15610               | 25/32  | \$86.96  |
| 15620               | 1-INCH | \$124.29 |
| 15630               | 1-1/32 | \$136.25 |
| 15640               | 1-1/16 | \$146.38 |

## Drill Blanks Type 240-DB

Hardened and Ground - Bright Finish

Drill blanks are used as hole size and bushing gauges. They may also be used as guide pins for die sets. Tolerances : + .0000 - .0005 thru 1/4" + .0000 - .0007 over 1/4"



| Fractional |      |        |
|------------|------|--------|
| Part No.   | Size | Price  |
| 02769      | 1/32 | \$1.71 |
| 02779      | 3/64 | \$1.71 |
| 02789      | 1/16 | \$1.71 |
| 02799      | 5/64 | \$1.71 |

| Fractional |       |         |
|------------|-------|---------|
| Part No.   | Size  | Price   |
| 02809      | 3/32  | \$1.71  |
| 02819      | 7/64  | \$1.71  |
| 02829      | 1/8   | \$1.71  |
| 02839      | 9/64  | \$1.71  |
| 02849      | 5/32  | \$1.84  |
| 02859      | 11/64 | \$1.84  |
| 02869      | 3/16  | \$2.02  |
| 02879      | 13/64 | \$2.57  |
| 02889      | 7/32  | \$2.70  |
| 02899      | 15/64 | \$2.95  |
| 02909      | 1/4   | \$3.19  |
| 16919      | 17/64 | \$3.44  |
| 16929      | 9/32  | \$3.68  |
| 16939      | 19/64 | \$4.12  |
| 16949      | 5/16  | \$4.23  |
| 16959      | 21/64 | \$4.60  |
| 16969      | 11/32 | \$4.96  |
| 16979      | 23/64 | \$5.58  |
| 16989      | 3/8   | \$6.14  |
| 16999      | 25/64 | \$6.39  |
| 17009      | 13/32 | \$6.99  |
| 17019      | 27/64 | \$7.73  |
| 17029      | 7/16  | \$8.77  |
| 17039      | 29/64 | \$9.02  |
| 17049      | 15/32 | \$9.21  |
| 17059      | 31/64 | \$10.42 |
| 17069      | 1/2   | \$11.04 |

| Letter   |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 02419    | A    | \$4.17  |
| 02429    | B    | \$4.17  |
| 02439    | C    | \$4.24  |
| 02449    | D    | \$4.24  |
| 02459    | E    | \$3.83  |
| 02469    | F    | \$4.58  |
| 02479    | G    | \$5.09  |
| 02489    | H    | \$5.09  |
| 02499    | I    | \$5.09  |
| 02509    | J    | \$5.45  |
| 02519    | K    | \$6.02  |
| 02529    | L    | \$6.02  |
| 02539    | M    | \$6.33  |
| 02549    | N    | \$6.43  |
| 02559    | O    | \$6.43  |
| 02569    | P    | \$7.40  |
| 02579    | Q    | \$7.40  |
| 02589    | R    | \$7.84  |
| 02599    | S    | \$8.44  |
| 02609    | T    | \$9.55  |
| 02619    | U    | \$9.55  |
| 02629    | V    | \$9.99  |
| 02639    | W    | \$10.35 |
| 02649    | X    | \$12.52 |
| 02659    | Y    | \$14.62 |
| 26960    | Z    | \$14.92 |

| Wire     |      |        |
|----------|------|--------|
| Part No. | Size | Price  |
| 03199    | 1    | \$2.70 |
| 03209    | 2    | \$2.70 |
| 03219    | 3    | \$2.70 |
| 03229    | 4    | \$2.70 |
| 03239    | 5    | \$2.70 |
| 03249    | 6    | \$2.57 |
| 03259    | 7    | \$2.57 |
| 03269    | 8    | \$2.57 |
| 03279    | 9    | \$2.57 |

| Wire (continued) |      |        |
|------------------|------|--------|
| Part No.         | Size | Price  |
| 03289            | 10   | \$2.57 |
| 03299            | 11   | \$2.02 |
| 03309            | 12   | \$2.02 |
| 03319            | 13   | \$2.02 |
| 03329            | 14   | \$2.02 |
| 03339            | 15   | \$2.02 |
| 03349            | 16   | \$1.84 |
| 03359            | 17   | \$1.84 |
| 03369            | 18   | \$1.84 |
| 03379            | 19   | \$1.84 |
| 03389            | 20   | \$1.84 |
| 03399            | 21   | \$1.84 |
| 03409            | 22   | \$1.84 |
| 03419            | 23   | \$1.84 |
| 03429            | 24   | \$1.84 |
| 03439            | 25   | \$1.84 |
| 03449            | 26   | \$1.59 |
| 03459            | 27   | \$1.59 |
| 03469            | 28   | \$1.59 |
| 03479            | 29   | \$1.59 |
| 03489            | 30   | \$1.59 |
| 03499            | 31   | \$1.59 |
| 03509            | 32   | \$1.59 |
| 03519            | 33   | \$1.59 |
| 03529            | 34   | \$1.59 |
| 03539            | 35   | \$1.59 |
| 03549            | 36   | \$1.59 |
| 03559            | 37   | \$1.59 |
| 03569            | 38   | \$1.59 |
| 03579            | 39   | \$1.59 |
| 03589            | 40   | \$1.59 |
| 03599            | 41   | \$1.59 |
| 03609            | 42   | \$1.59 |
| 03619            | 43   | \$1.59 |
| 03629            | 44   | \$1.59 |
| 03639            | 45   | \$1.59 |
| 03649            | 46   | \$1.59 |
| 03659            | 47   | \$1.59 |
| 03669            | 48   | \$1.59 |
| 03679            | 49   | \$1.59 |
| 03689            | 50   | \$1.59 |
| 03699            | 51   | \$1.55 |
| 03709            | 52   | \$1.55 |
| 03719            | 53   | \$1.55 |
| 03729            | 54   | \$1.55 |
| 03739            | 55   | \$1.55 |
| 03749            | 56   | \$1.55 |
| 03759            | 57   | \$1.55 |
| 03769            | 58   | \$1.55 |
| 03779            | 59   | \$1.55 |
| 03789            | 60   | \$1.55 |
| 03799            | 61   | \$1.51 |
| 03809            | 62   | \$1.51 |
| 03819            | 63   | \$1.51 |
| 03829            | 64   | \$1.51 |
| 03839            | 65   | \$1.51 |
| 03849            | 66   | \$1.51 |
| 03859            | 67   | \$1.51 |
| 03869            | 68   | \$1.51 |
| 03879            | 69   | \$1.51 |
| 03889            | 70   | \$1.59 |
| 03899            | 71   | \$1.59 |
| 03919            | 72   | \$1.59 |
| 03929            | 73   | \$1.59 |
| 03939            | 74   | \$1.59 |
| 03949            | 75   | \$1.59 |
| 03959            | 76   | \$1.84 |
| 03969            | 77   | \$1.84 |
| 03979            | 78   | \$1.84 |
| 03989            | 79   | \$1.84 |
| 03999            | 80   | \$1.84 |

# HSS Gun Tap-Machine Screw & HSS Spiral Point - METRIC

Magnum Super Premium

Bold = Most common size taps

## Gun Tap-Machine Screw

Type 20-AG Gold Oxide, Type 20-AG TiN Coated and Type 20 Bright Finish

### Ground Thread- Magnum Super Premium

Special Hi-Tungsten and Hi-Molybdenum tool steels, gold surface treated for maximum lubricity.

Spiral point construction drives chips ahead of the tap, permitting higher speeds and faster cutting with less torque

| Type 20 -AG, Type 20-AGN and 20 |         |                      |                      |                      |  |  |
|---------------------------------|---------|----------------------|----------------------|----------------------|--|--|
| Size                            | H Limit | 20-AG Part # Price   | 20-AGN Part # Price  | 20 Part # Price      |  |  |
| 0-80                            | H1      | 67502 \$20.49        | 10502 \$25.62        | 60101 \$18.22        |  |  |
| 0-80                            | H2      | <b>60100 \$20.49</b> | <b>10512 \$25.62</b> | <b>67501 \$18.22</b> |  |  |
| 1-64                            | H1      | 67512 \$18.78        | 10522 \$23.45        | 60111 \$16.45        |  |  |
| 1-64                            | H2      | <b>60110 \$18.78</b> | <b>10532 \$23.45</b> | <b>67511 \$16.45</b> |  |  |
| 1-72                            | H1      | 67522 \$18.78        | 10542 \$23.45        | 67521 \$16.45        |  |  |
| 1-72                            | H2      | <b>60120 \$18.78</b> | <b>10552 \$23.45</b> | <b>60121 \$16.45</b> |  |  |
| 2-56                            | H2      | <b>60130 \$16.69</b> | <b>10562 \$20.80</b> | <b>60131 \$14.11</b> |  |  |
| 2-64                            | H2      | <b>60140 \$18.22</b> | <b>10572 \$22.75</b> | <b>60141 \$16.01</b> |  |  |
| 3-48                            | H2      | <b>60150 \$13.25</b> | <b>10582 \$16.56</b> | <b>60151 \$11.29</b> |  |  |
| 3-56                            | H1      | 67532 \$15.07        | 10592 \$19.22        | 67531 \$13.09        |  |  |
| 3-56                            | H2      | <b>60160 \$13.95</b> | <b>10602 \$17.78</b> | <b>60161 \$12.57</b> |  |  |
| 4-40                            | H1      | 67542 \$11.55        | 10612 \$14.46        | 67541 \$9.80         |  |  |
| 4-40                            | H2      | <b>60170 \$10.69</b> | <b>10622 \$13.39</b> | <b>60171 \$9.07</b>  |  |  |
| 4-48                            | H1      | 67552 \$12.99        | 10632 \$16.20        | 67551 \$11.32        |  |  |
| 4-48                            | H2      | <b>60180 \$12.03</b> | <b>10642 \$13.17</b> | <b>60181 \$10.48</b> |  |  |
| 4-36                            | H2      | <b>60190 \$12.03</b> | <b>10652 \$13.17</b> | <b>60191 \$10.48</b> |  |  |
| 5-40                            | H1      | 67562 \$11.97        | 10662 \$13.11        | 67561 \$10.16        |  |  |
| 5-40                            | H2      | <b>60200 \$10.69</b> | <b>10672 \$11.71</b> | <b>60201 \$9.07</b>  |  |  |
| 5-44                            | H2      | <b>60210 \$11.65</b> | <b>10682 \$12.76</b> | <b>60211 \$10.48</b> |  |  |
| 6-32                            | H1      | 67572 \$9.23         | 10692 \$10.11        | 67571 \$7.15         |  |  |
| 6-32                            | H2      | 67582 \$9.23         | 10702 \$10.11        | 67581 \$6.56         |  |  |
| 6-32                            | H3      | <b>60220 \$8.47</b>  | <b>10712 \$9.27</b>  | <b>60221 \$6.56</b>  |  |  |
| 6-40                            | H2      | <b>60230 \$9.68</b>  | <b>10722 \$10.60</b> | <b>60231 \$8.60</b>  |  |  |
| 8-32                            | H1      | 67592 \$9.38         | 10732 \$10.28        | 67591 \$7.35         |  |  |
| 8-32                            | H2      | 67602 \$9.38         | 10742 \$10.28        | 67601 \$6.74         |  |  |
| 8-32                            | H3      | <b>60240 \$8.61</b>  | <b>10752 \$9.43</b>  | <b>60241 \$6.74</b>  |  |  |
| 8-36                            | H2      | <b>60250 \$9.81</b>  | <b>10762 \$10.74</b> | <b>60251 \$8.60</b>  |  |  |
| 10-24                           | H1      | 67612 \$10.61        | 10772 \$11.62        | 67611 \$8.04         |  |  |
| 10-24                           | H2      | 67622 \$9.96         | 10782 \$10.91        | 67621 \$7.54         |  |  |
| 10-24                           | H3      | <b>60260 \$9.31</b>  | <b>10792 \$10.19</b> | <b>60261 \$7.05</b>  |  |  |
| 10-32                           | H1      | 67632 \$9.87         | 10802 \$10.81        | 67631 \$7.47         |  |  |
| 10-32                           | H2      | 67642 \$9.87         | 10812 \$10.81        | 67641 \$7.05         |  |  |
| 10-32                           | H3      | <b>60270 \$9.31</b>  | <b>10822 \$10.19</b> | <b>60271 \$7.05</b>  |  |  |
| 12-24                           | H3      | <b>60280 \$10.31</b> | <b>10832 \$11.29</b> | <b>60281 \$8.60</b>  |  |  |
| 12-28                           | H3      | <b>60290 \$10.31</b> | <b>10842 \$11.29</b> | <b>60291 \$8.60</b>  |  |  |
| 1/4-20                          | H1      | 67652 \$11.26        | 10852 \$12.33        | 67651 \$8.02         |  |  |
| 1/4-20                          | H2      | 67662 \$11.26        | 10862 \$12.33        | 67661 \$8.02         |  |  |
| 1/4-20                          | H3      | <b>60320 \$10.33</b> | <b>10872 \$11.31</b> | <b>60321 \$7.36</b>  |  |  |
| 1/4-20                          | H5      | 67672 \$11.26        | 10882 \$12.33        | 67671 \$8.02         |  |  |
| 1/4-20                          | H3      | 67682 \$12.50        | 10892 \$13.69        | 67681 \$8.98         |  |  |
| 1/4-20                          | H5      | 67692 \$12.50        | 10902 \$13.69        | 67691 \$8.98         |  |  |
| 1/4-28                          | H1      | 67702 \$11.26        | 10912 \$12.33        | 67701 \$8.02         |  |  |
| 1/4-28                          | H2      | 67712 \$11.26        | 10922 \$12.33        | 67711 \$8.02         |  |  |
| 1/4-28                          | H3      | <b>60330 \$10.33</b> | <b>10932 \$11.31</b> | <b>60331 \$7.36</b>  |  |  |
| 1/4-28                          | H4      | 67722 \$11.26        | 10942 \$12.33        | 67721 \$8.02         |  |  |
| 1/4-28                          | H2      | 67732 \$12.50        | 10952 \$13.69        | 67731 \$8.98         |  |  |
| 1/4-28                          | H4      | 67742 \$12.50        | 10962 \$13.69        | 67741 \$8.98         |  |  |
| 5/16-18                         | H1      | 67752 \$12.59        | 10972 \$13.78        | 67751 \$10.21        |  |  |
| 5/16-18                         | H2      | 67762 \$12.14        | 10982 \$13.30        | 67761 \$9.86         |  |  |
| 5/16-18                         | H3      | <b>60340 \$11.04</b> | <b>10992 \$12.09</b> | <b>60341 \$8.96</b>  |  |  |
| 5/16-18                         | H5      | 67772 \$12.14        | 11002 \$13.30        | 67771 \$9.86         |  |  |
| 5/16-18                         | H3      | 67782 \$13.47        | 11012 \$14.75        | 67781 \$10.93        |  |  |
| 5/16-18                         | H5      | 67792 \$13.47        | 11022 \$14.75        | 67791 \$10.93        |  |  |
| 5/16-24                         | H1      | 67802 \$12.59        | 11032 \$13.78        | 67801 \$10.21        |  |  |
| 5/16-24                         | H2      | 67812 \$12.14        | 11042 \$13.30        | 67811 \$9.86         |  |  |
| 5/16-24                         | H3      | <b>60350 \$11.04</b> | <b>11052 \$12.09</b> | <b>60351 \$8.96</b>  |  |  |
| 5/16-24                         | H4      | 67822 \$12.14        | 11062 \$13.30        | 67821 \$9.86         |  |  |

Continued on the Next column

Taps are packaged 3 per pack thru 1/2" and 1 per pack above 1/2".

| Type 20 -AG, Type 20-AGN and 20 |         |                      |                      |                      |  |  |
|---------------------------------|---------|----------------------|----------------------|----------------------|--|--|
| Size                            | H Limit | 20-AG Part # Price   | 20-AGN Part # Price  | 20 Part # Price      |  |  |
| 5/16-24                         | H2      | 67832 \$13.47        | 11072 \$14.75        | 67831 \$10.93        |  |  |
| 5/16-24                         | H4      | 67842 \$13.47        | 11082 \$14.75        | 67841 \$10.93        |  |  |
| 3/8-16                          | H1      | 67852 \$15.10        | 11092 \$16.54        | 67851 \$11.40        |  |  |
| 3/8-16                          | H2      | 67862 \$14.84        | 11102 \$16.25        | 67861 \$11.20        |  |  |
| 3/8-16                          | H3      | <b>60360 \$13.02</b> | <b>11112 \$14.26</b> | <b>60361 \$9.83</b>  |  |  |
| 3/8-16                          | H5      | 67872 \$15.10        | 11122 \$16.54        | 67871 \$11.40        |  |  |
| 3/8-24                          | H1      | 67882 \$15.10        | 11132 \$16.54        | 67881 \$11.40        |  |  |
| 3/8-24                          | H2      | 67892 \$14.84        | 11142 \$16.25        | 67891 \$11.20        |  |  |
| 3/8-24                          | H3      | <b>60370 \$13.02</b> | <b>11152 \$14.26</b> | <b>60371 \$10.48</b> |  |  |
| 3/8-24                          | H4      | 67902 \$15.10        | 11162 \$16.54        | 67901 \$11.40        |  |  |
| 7/16-14                         | H2      | 67912 \$23.39        | 11172 \$25.62        | 67911 \$18.20        |  |  |
| 7/16-14                         | H3      | <b>60380 \$22.07</b> | <b>11182 \$24.17</b> | <b>60381 \$17.17</b> |  |  |
| 7/16-14                         | H5      | 67922 \$23.39        | 11192 \$25.62        | 67921 \$18.20        |  |  |
| 7/16-20                         | H3      | <b>60390 \$22.07</b> | <b>11202 \$24.17</b> | <b>60391 \$17.17</b> |  |  |
| 7/16-20                         | H5      | 67932 \$23.39        | 11212 \$25.62        | 67931 \$18.20        |  |  |
| 1/2-13                          | H2      | 67942 \$28.68        | 11222 \$31.40        | 67941 \$25.52        |  |  |
| 1/2-13                          | H3      | <b>60400 \$22.76</b> | <b>11232 \$24.92</b> | <b>60401 \$20.25</b> |  |  |
| 1/2-13                          | H5      | 67952 \$26.86        | 11242 \$26.92        | 67951 \$23.90        |  |  |
| 1/2-20                          | H1      | 67962 \$24.58        | 11252 \$26.92        | 67961 \$21.87        |  |  |
| 1/2-20                          | H2      | 67972 \$24.58        | 11262 \$26.92        | 67971 \$21.87        |  |  |
| 1/2-20                          | H3      | <b>60410 \$22.76</b> | <b>11272 \$24.92</b> | <b>60411 \$20.25</b> |  |  |
| 1/2-20                          | H5      | 67982 \$24.58        | 11282 \$26.92        | 67981 \$21.87        |  |  |
| 9/16-12                         | H3      | <b>67992 \$33.42</b> | -----                | <b>60461 \$35.03</b> |  |  |
| 9/16-18                         | H3      | <b>68002 \$33.42</b> | -----                | <b>60471 \$35.03</b> |  |  |
| 5/8-11                          | H3      | <b>60420 \$45.79</b> | <b>11292 \$50.14</b> | <b>60421 \$37.55</b> |  |  |
| 5/8-11                          | H5      | 68012 \$45.79        | 11302 \$50.14        | 67991 \$37.55        |  |  |
| 5/8-18                          | H3      | <b>60430 \$45.79</b> | <b>11312 \$50.14</b> | <b>60431 \$37.55</b> |  |  |
| 3/4-10                          | H3      | <b>60440 \$62.83</b> | <b>11322 \$68.80</b> | <b>60441 \$55.12</b> |  |  |
| 3/4-10                          | H5      | 68022 \$62.83        | 11332 \$68.80        | 68001 \$55.12        |  |  |
| 3/4-16                          | H3      | <b>60450 \$66.90</b> | <b>11342 \$73.26</b> | <b>60451 \$55.12</b> |  |  |

## Gun Tap-Machine Screw/METRIC

Type 21-AG Gold Oxide, Type 21-AGN TiN Coated and Type 21 Bright

### Ground Thread- Magnum Super Premium

Special Hi-Tungsten and Hi-Molybdenum tool steels, gold surface treated for maximum lubricity. Spiral point construction drives chips ahead of the tap, permitting higher speeds and faster cutting with less torque



| METRIC Type 21-AG, Type 21-AGN and 21 |          |                    |                     |                 |  |  |
|---------------------------------------|----------|--------------------|---------------------|-----------------|--|--|
| Size                                  | PD Limit | 21-AG Part # Price | 21-AGN Part # Price | 21 Part # Price |  |  |
| 1.6-0.35                              | D3       | 68602 \$16.07      | 10509 \$21.40       | 68601 \$18.64   |  |  |
| 1.8-0.35                              | D3       | 68612 \$16.07      | 10519 \$21.40       | 68611 \$18.64   |  |  |
| 2.0-0.40                              | D3       | 68622 \$16.07      | 10529 \$21.40       | 68621 \$18.64   |  |  |
| 2.20-.45                              | D3       | 68632 \$16.07      | 10539 \$21.40       | 68631 \$18.64   |  |  |
| 2.5-0.45                              | D3       | 60500 \$16.00      | 10549 \$21.40       | 68641 \$18.64   |  |  |
| 3.0-0.50                              | D3       | 60510 \$11.35      | 10559 \$15.15       | 60102 \$10.73   |  |  |
| 3.5-0.60                              | D4       | 60520 \$11.35      | 10569 \$15.15       | 60103 \$10.73   |  |  |
| 4.0-0.70                              | D4       | 60530 \$11.35      | 10579 \$15.15       | 60104 \$10.73   |  |  |
| 4.5-0.75                              | D4       | 68642 \$11.35      | 10589 \$15.15       | 68651 \$10.73   |  |  |
| 5.0-0.80                              | D4       | 60550 \$11.35      | 10599 \$15.11       | 60114 \$10.73   |  |  |
| 6.0-1.00                              | D5       | 60560 \$12.01      | 10609 \$16.00       | 60124 \$10.73   |  |  |
| 7.0-1.00                              | D5       | 68652 \$13.28      | 10619 \$17.70       | 68661 \$11.54   |  |  |
| 8.0-1.00                              | D5       | 68662 \$14.01      | 10629 \$23.75       | 68671 \$12.33   |  |  |
| 8.0-1.25                              | D5       | 60580 \$14.01      | 10639 \$23.75       | 60234 \$12.33   |  |  |
| 10-1.25                               | D5       | 68672 \$21.35      | 10649 \$28.45       | 68681 \$20.27   |  |  |
| 10-1.50                               | D6       | 60600 \$21.35      | 10659 \$28.45       | 60152 \$20.27   |  |  |
| 12-1.25                               | D5       | 68682 \$26.69      | 10669 \$35.56       | 68691 \$24.82   |  |  |
| 12-1.75                               | D6       | 60620 \$26.69      | 10679 \$35.56       | 60162 \$24.82   |  |  |
| 14-1.50                               | D6       | 68692 \$40.15      | 10689 \$53.49       | 68701 \$37.01   |  |  |
| 14-2.00                               | D7       | 60630 \$40.15      | 10699 \$53.49       | 60164 \$37.01   |  |  |
| 16-1.50                               | D6       | 68702 \$47.19      | 10709 \$62.88       | 68711 \$43.51   |  |  |
| 16-2.00                               | D7       | 60640 \$47.19      | 10719 \$62.88       | 60173 \$43.51   |  |  |
| 18-2.50                               | D7       | 60650 \$68.28      | 10729 \$90.99       | 60174 \$62.84   |  |  |
| 20-2.50                               | D7       | 68712 \$49.96      | 10739 \$66.56       | 68721 \$56.94   |  |  |

# HSS Straight Flute Hand Taps, Gold Oxide & TiN Coated

Bold = Most common size taps

TiN Coated, Magnum Super Premium

## HSS Straight Flute Hand Taps

Types 23-AG, 24-AG, 25-AG

Gold Oxide Ground Thread- Magnum Super Premium

Special Hi-Tungsten and Hi-Molybdenum tool steels, gold surface treated for maximum lubricity. For general use in production tapping or hand operations.

| Type 23-AG, Type 24-AG and Type 25-AG |         |              |             |              |             |                    |
|---------------------------------------|---------|--------------|-------------|--------------|-------------|--------------------|
| Size                                  | H Limit | 23-AG Part # | 23-AG Price | 24-AG Part # | 24-AG Price | 25-AG Part # Price |
| 0-80                                  | H1      | 72701        | \$13.43     | 72702        | \$13.43     | 72703 \$13.43      |
| 0-80                                  | H2      | 72711        | \$13.43     | 72712        | \$13.43     | 72713 \$13.43      |
| 1-64                                  | H1      | 72721        | \$13.43     | 72722        | \$13.43     | 72723 \$13.43      |
| 1-64                                  | H2      | 72731        | \$13.43     | 72732        | \$13.43     | 72733 \$13.43      |
| 1-72                                  | H1      | 72741        | \$13.43     | 72742        | \$13.43     | 72743 \$13.43      |
| 1-72                                  | H2      | 72751        | \$13.43     | 72752        | \$13.43     | 72753 \$13.43      |
| 2-56                                  | H1      | 72761        | \$16.83     | 72762        | \$16.83     | 72763 \$16.83      |
| 2-56                                  | H2      | 60660        | \$15.73     | 60661        | \$15.73     | 60662 \$15.73      |
| 2-64                                  | H2      | 72771        | \$16.83     | 72772        | \$16.83     | 72773 \$16.83      |
| 3-48                                  | H2      | 72781        | \$14.02     | 72782        | \$14.02     | 72783 \$14.02      |
| 3-48                                  | H2      | 60680        | \$12.52     | 60681        | \$12.52     | 60682 \$12.52      |
| 3-56                                  | H2      | 60710        | \$13.52     | 60711        | \$13.52     | 60712 \$13.52      |
| 4-40                                  | H2      | 60700        | \$10.10     | 60701        | \$10.10     | 60702 \$10.10      |
| 4-48                                  | H2      | 60720        | \$10.10     | 60721        | \$10.10     | 60722 \$10.10      |
| 5-40                                  | H1      | 72791        | \$11.01     | 72792        | \$11.01     | 72793 \$11.01      |
| 5-40                                  | H2      | 60730        | \$10.10     | 60731        | \$10.10     | 60702 \$10.10      |
| 5-44                                  | H2      | 60740        | \$10.91     | 60741        | \$10.91     | 60722 \$10.91      |
| 6-32                                  | H1      | 72801        | \$8.48      | 72802        | \$8.48      | 72803 \$8.48       |
| 6-32                                  | H2      | 72811        | \$8.48      | 72812        | \$8.48      | 72813 \$8.48       |
| 6-32                                  | H3      | 60750        | \$8.00      | 60751        | \$8.00      | 60752 \$8.00       |
| 6-40                                  | H1      | 72821        | \$10.24     | 72822        | \$10.24     | 72823 \$10.24      |
| 6-40                                  | H2      | 60760        | \$9.14      | 60761        | \$9.14      | 60762 \$9.14       |
| 8-32                                  | H1      | 72831        | \$8.49      | 72832        | \$8.49      | 72833 \$8.49       |
| 8-32                                  | H2      | 72841        | \$8.49      | 72842        | \$8.49      | 72843 \$8.49       |
| 8-32                                  | H3      | 60770        | \$8.12      | 60771        | \$8.12      | 60772 \$8.12       |
| 8-36                                  | H2      | 60780        | \$9.27      | 60781        | \$9.27      | 60782 \$9.27       |
| 10-24                                 | H1      | 72851        | \$9.19      | 72852        | \$9.19      | 72853 \$9.19       |
| 10-24                                 | H2      | 72861        | \$9.19      | 72862        | \$9.19      | 72863 \$9.19       |
| 10-24                                 | H3      | 60790        | \$8.79      | 60791        | \$8.79      | 60792 \$8.79       |
| 10-32                                 | H1      | 72871        | \$9.16      | 72872        | \$9.16      | 72873 \$9.16       |
| 10-32                                 | H2      | 72881        | \$9.16      | 72882        | \$9.16      | 72883 \$9.16       |
| 10-32                                 | H3      | 60800        | \$8.79      | 60801        | \$8.79      | 60802 \$8.79       |
| 12-24                                 | H3      | 60810        | \$9.72      | 60811        | \$9.72      | 60801 \$9.72       |
| 12-28                                 | H3      | 60820        | \$9.72      | 60821        | \$9.72      | 60822 \$9.72       |
| 1/4-20                                | H1      | 72891        | \$10.21     | 72892        | \$10.21     | 72893 \$10.21      |
| 1/4-20                                | H2      | 72901        | \$10.21     | 72902        | \$10.21     | 72903 \$10.21      |
| 1/4-20                                | H3      | 60830        | \$9.74      | 60831        | \$9.74      | 60832 \$9.74       |
| 1/4-20                                | H5      | 72911        | \$10.21     | 72912        | \$10.21     | 72913 \$10.21      |
| 1/4-28                                | H1      | 72921        | \$10.21     | 72922        | \$10.21     | 72923 \$10.21      |
| 1/4-28                                | H2      | 72931        | \$10.21     | 72932        | \$10.21     | 72933 \$10.21      |
| 1/4-28                                | H3      | 60840        | \$9.74      | 60841        | \$9.74      | 60842 \$9.74       |
| 1/4-28                                | H4      | 72941        | \$10.21     | 72942        | \$10.21     | 72943 \$10.21      |
| 5/16-18                               | H2      | 72951        | \$11.23     | 72952        | \$11.23     | 72953 \$11.23      |
| 5/16-18                               | H3      | 60850        | \$10.40     | 60851        | \$10.40     | 60852 \$10.40      |
| 5/16-18                               | H5      | 72961        | \$11.23     | 72962        | \$11.23     | 72963 \$11.23      |
| 5/16-24                               | H2      | 72971        | \$11.65     | 72972        | \$11.65     | 72973 \$11.65      |
| 5/16-24                               | H3      | 60860        | \$10.40     | 60861        | \$10.40     | 60862 \$10.40      |
| 5/16-24                               | H4      | 72981        | \$11.65     | 72982        | \$11.65     | 72983 \$11.65      |
| 3/8-16                                | H1      | 72991        | \$13.51     | 72992        | \$13.51     | 72993 \$13.51      |
| 3/8-16                                | H2      | 73001        | \$13.51     | 73002        | \$13.51     | 73003 \$13.51      |
| 3/8-16                                | H3      | 60870        | \$12.28     | 60871        | \$12.28     | 60872 \$12.28      |
| 3/8-16                                | H5      | 73011        | \$13.51     | 73012        | \$13.51     | 73013 \$13.51      |
| 3/8-24                                | H1      | 73021        | \$13.51     | 73022        | \$13.51     | 73023 \$13.51      |
| 3/8-24                                | H2      | 73031        | \$13.51     | 73032        | \$13.51     | 73033 \$13.51      |
| 3/8-24                                | H3      | 60880        | \$12.28     | 60881        | \$12.28     | 60882 \$12.28      |
| 3/8-24                                | H4      | 73041        | \$13.51     | 73042        | \$13.51     | 73043 \$13.51      |
| 7/16-14                               | H3      | 60890        | \$20.80     | 60891        | \$20.80     | 60892 \$20.80      |
| 7/16-14                               | H5      | 73051        | \$22.67     | 73052        | \$22.67     | 73053 \$22.67      |
| 7/16-20                               | H3      | 60900        | \$20.80     | 60901        | \$20.80     | 60902 \$20.80      |
| 7/16-20                               | H5      | 73061        | \$22.67     | 73062        | \$22.67     | 73063 \$22.67      |
| 1/2-13                                | H1      | 73071        | \$24.70     | 73072        | \$24.70     | 73073 \$24.70      |
| 1/2-13                                | H3      | 60910        | \$21.48     | 60911        | \$21.48     | 60912 \$21.48      |
| 1/2-13                                | H5      | 73081        | \$24.70     | 73082        | \$24.70     | 73083 \$24.70      |
| 1/2-20                                | H1      | 73091        | \$24.70     | 73092        | \$24.70     | 73093 \$24.70      |
| 1/2-20                                | H3      | 60920        | \$21.48     | 60921        | \$21.48     | 60922 \$21.48      |
| 1/2-20                                | H5      | 73101        | \$24.70     | 73102        | \$24.70     | 73103 \$24.70      |
| 9/16-12                               | H3      | 60950        | \$30.28     | 60951        | \$30.28     | 60952 \$30.28      |
| 9/16-12                               | H5      | 73111        | \$31.64     | 73112        | \$31.64     | 73113 \$31.64      |
| 9/16-18                               | H2      | 73121        | \$36.37     | 73122        | \$36.37     | 73123 \$36.37      |
| 9/16-18                               | H3      | 60960        | \$30.28     | 60961        | \$30.28     | 60962 \$30.28      |

Continued on the Next column

| Type 23-AG, Type 24-AG and Type 25-AG |         |              |             |              |             |                    |
|---------------------------------------|---------|--------------|-------------|--------------|-------------|--------------------|
| Size                                  | H Limit | 23-AG Part # | 23-AG Price | 24-AG Part # | 24-AG Price | 25-AG Part # Price |
| 9/16-18                               | H5      | 73131        | \$36.37     | 73132        | \$36.37     | 73133 \$36.37      |
| 5/8-11                                | H2      | 73141        | \$37.50     | 73142        | \$37.50     | 73143 \$37.50      |
| 5/8-11                                | H3      | 60970        | \$34.09     | 60971        | \$34.09     | 60972 \$34.09      |
| 5/8-11                                | H5      | 73151        | \$48.70     | 73152        | \$48.70     | 73153 \$48.70      |
| 5/8-18                                | H2      | 73161        | \$48.70     | 73162        | \$48.70     | 73163 \$48.70      |
| 5/8-18                                | H3      | 60980        | \$34.09     | 60981        | \$34.09     | 60982 \$34.09      |
| 5/8-18                                | H5      | 73171        | \$48.70     | 73172        | \$48.70     | 73173 \$48.70      |
| 11/16-11                              | H3      | 73181        | \$52.59     | 73182        | \$52.59     | 73183 \$52.59      |
| 11/16-16                              | H3      | 73191        | \$52.59     | 73192        | \$52.59     | 73193 \$52.59      |
| 3/4-10                                | H3      | 60990        | \$45.14     | 60991        | \$45.14     | 60992 \$45.14      |
| 3/4-10                                | H5      | 73201        | \$47.85     | 73202        | \$47.85     | 73203 \$47.85      |
| 3/4-16                                | H1      | 73211        | \$47.85     | 73212        | \$47.85     | 73213 \$47.85      |
| 3/4-16                                | H2      | 73221        | \$47.85     | 73222        | \$47.85     | 73223 \$47.85      |
| 3/4-16                                | H3      | 61400        | \$45.14     | 61401        | \$45.14     | 61402 \$45.14      |
| 3/4-16                                | H5      | 73231        | \$47.85     | 73232        | \$47.85     | 73233 \$47.85      |
| 7/8-9                                 | H4      | 61410        | \$65.19     | 61411        | \$65.19     | 61412 \$65.19      |
| 7/8-9                                 | H6      | 73241        | \$67.80     | 73242        | \$67.80     | 73243 \$67.80      |
| 7/8-14                                | H2      | 73251        | \$67.80     | 73252        | \$67.80     | 73253 \$67.80      |
| 7/8-14                                | H4      | 61420        | \$65.19     | 61421        | \$65.19     | 61422 \$65.19      |
| 7/8-14                                | H6      | 73261        | \$84.12     | 73262        | \$84.12     | 73263 \$84.12      |
| 1-8                                   | H4      | 61430        | \$80.88     | 61431        | \$80.88     | 61432 \$80.88      |
| 1-8                                   | H6      | 73271        | \$122.56    | 73272        | \$122.56    | 73273 \$122.56     |
| 1-12                                  | H4      | 61440        | \$86.17     | 61441        | \$86.17     | 61442 \$86.17      |
| 1-14                                  | H4      | 27570        | \$86.17     | 27571        | \$86.17     | 27572 \$86.17      |
| 1 1/8-7                               | H4      | 61450        | \$139.98    | 61451        | \$139.98    | 61452 \$139.98     |
| 1 1/8-12                              | H4      | 61460        | \$139.98    | 61461        | \$139.98    | 61462 \$139.98     |
| 1 1/4-7                               | H4      | 61470        | \$164.20    | 61471        | \$164.20    | 61472 \$164.20     |
| 1 1/4-12                              | H4      | 61480        | \$164.20    | 61481        | \$164.20    | 61482 \$164.20     |
| 1 3/8-6                               | H4      | 61490        | \$282.11    | 61491        | \$282.11    | 61492 \$282.11     |
| 1 3/8-12                              | H4      | 61500        | \$282.11    | 61501        | \$282.11    | 61502 \$282.11     |
| 1 1/2-6                               | H4      | 61510        | \$322.86    | 61511        | \$322.86    | 61512 \$322.86     |
| 1 1/2-12                              | H4      | 61520        | \$322.86    | 61521        | \$322.86    | 61522 \$322.86     |

## HSS Straight Flute Hand Taps

Types 23-AGN, 24-AGN, 25-AGN

TiN Coated Ground Thread Magnum Super Premium

TiN coating - increases wear resistance by producing a higher surface hardness and exceptional lubricity resulting in longer tool life.

| Type 23-AGN, Type 24-AGN and Type 25-AGN |         |               |              |               |              |                     |
|------------------------------------------|---------|---------------|--------------|---------------|--------------|---------------------|
| Size                                     | H Limit | 23-AGN Part # | 23-AGN Price | 24-AGN Part # | 24-AGN Price | 25-AGN Part # Price |
| 0-80                                     | H1      | 45981         | \$17.82      | 45982         | \$17.82      | 45983 \$17.82       |
| 0-80                                     | H2      | 45991         | \$17.82      | 45992         | \$17.82      | 45993 \$17.82       |
| 1-64                                     | H1      | 44101         | \$17.82      | 44102         | \$17.82      | 44103 \$17.82       |
| 1-64                                     | H2      | 44111         | \$17.82      | 44112         | \$17.82      | 44113 \$17.82       |
| 1-72                                     | H1      | 44121         | \$17.82      | 44122         | \$17.82      | 44123 \$17.82       |
| 1-72                                     | H2      | 44131         | \$17.82      | 44132         | \$17.82      | 44133 \$17.82       |
| 2-56                                     | H1      | 44141         | \$22.33      | 44142         | \$22.33      | 44143 \$22.33       |
| 2-56                                     | H2      | 46001         | \$20.22      | 46002         | \$20.22      | 46003 \$20.22       |
| 2-64                                     | H2      | 44151         | \$22.33      | 44152         | \$22.33      | 44153 \$22.33       |
| 3-48                                     | H2      | 44161         | \$18.60      | 44162         | \$18.60      | 44163 \$18.60       |
| 3-48                                     | H2      | 46011         | \$18.07      | 46012         | \$18.07      | 46013 \$18.07       |
| 3-56                                     | H2      | 45931         | \$12.04      | 45932         | \$12.04      | 45933 \$12.04       |
| 4-40                                     | H2      | 46021         | \$13.35      | 46022         | \$13.35      | 46023 \$13.35       |
| 4-48                                     | H2      | 45951         | \$10.95      | 45952         | \$10.95      | 45953 \$10.95       |
| 5-40                                     | H1      | 44191         | \$14.60      | 44192         | \$14.60      | 44193 \$14.60       |
| 5-40                                     | H2      | 46031         | \$13.35      | 46032         | \$13.35      | 46033 \$13.35       |
| 5-44                                     | H2      | 45971         | \$10.61      | 45972         | \$10.61      | 45973 \$10.61       |
| 6-32                                     | H1      | 44211         | \$11.25      | 44212         | \$11.25      | 44213 \$11.25       |
| 6-32                                     | H2      | 44221         | \$11.25      | 44222         | \$11.25      | 44223 \$11.25       |
| 6-32                                     | H3      | 46041         | \$10.84      | 46042         | \$10.84      | 46043 \$10.84       |
| 6-40                                     | H1      | 44231         | \$13.58      | 44232         | \$13.58      | 44233 \$13.58       |
| 6-40                                     | H2      | 46051         | \$12.78      | 46052         | \$12.78      | 46053 \$12.78       |
| 8-32                                     | H1      | 44241         | \$11.26      | 44242         | \$11.26      | 44243 \$11.26       |
| 8-32                                     | H2      | 44251         | \$11.26      | 44252         | \$11.26      | 44253 \$11.26       |
| 8-32                                     | H3      | 46061         | \$11.96      | 46062         | \$11.96      | 46063 \$11.96       |
| 8-36                                     | H2      | 46071         | \$13.99      | 46072         | \$13.99      | 46073 \$13.99       |
| 10-24                                    | H1      | 44261         | \$12.18      | 44262         | \$12.18      | 44263 \$12.18       |
| 10-24                                    | H2      | 44271         | \$12.18      | 44272         | \$12.18      | 44273 \$12.18       |
| 10-24                                    | H3      | 46081         | \$11.93      | 46082         | \$11.93      | 46083 \$11.93       |
| 10-32                                    | H1      | 44281         | \$12.15      | 44282         | \$12.15      | 44283 \$12.15       |
| 10-32                                    | H2      | 44291         | \$12.15      | 44292         | \$12.15      | 44293 \$12.15       |
| 10-32                                    | H3      | 46091         | \$11.93      | 46092         | \$11.93      | 46093 \$11.93       |
| 12-24                                    | H3      | 46101         | \$14.59      | 46102         | \$14.59      | 46103 \$14.59       |

Continued on the Next page

# HSS Straight Flute Hand Taps, TiN Coated & Bright Finish

TiN Coated, Bright Finish Magnum Super Premium

Bold = Most common size taps

## HSS Straight Flute Hand Taps

Types 23-AGN, 24-AGN, 25-AGN

Tin Coated Ground Thread Magnum Super Premium

TiN coating - increases wear resistance by producing a higher surface hardness and exceptional lubricity resulting in longer tool life.

| Type 23-AGN, Type 24-AGN and Type 25-AGN |         |                     |                     |                     |  |  |
|------------------------------------------|---------|---------------------|---------------------|---------------------|--|--|
| Size                                     | H Limit | 23-AGN Part # Price | 24-AGN Part # Price | 25-AGN Part # Price |  |  |
| 12-28                                    | H3      | 46111 \$12.89       | 46112 \$12.89       | 46113 \$12.89       |  |  |
| 1/4-20                                   | H1      | 44301 \$13.54       | 44302 \$13.54       | 44303 \$13.54       |  |  |
| 1/4-20                                   | H2      | 44311 \$13.54       | 44312 \$13.54       | 44313 \$13.54       |  |  |
| 1/4-20                                   | H3      | 46121 \$13.07       | 46122 \$13.07       | 46123 \$13.07       |  |  |
| 1/4-20                                   | H5      | 44321 \$13.54       | 44322 \$13.54       | 44323 \$13.54       |  |  |
| 1/4-28                                   | H1      | 44331 \$13.54       | 44332 \$13.54       | 44333 \$13.54       |  |  |
| 1/4-28                                   | H2      | 44341 \$13.54       | 44342 \$13.54       | 44343 \$13.54       |  |  |
| 1/4-28                                   | H3      | 46131 \$13.07       | 46132 \$13.07       | 46133 \$13.07       |  |  |
| 1/4-28                                   | H4      | 44351 \$13.54       | 44352 \$13.54       | 44353 \$13.54       |  |  |
| 5/16-18                                  | H2      | 44361 \$14.90       | 44362 \$14.90       | 44363 \$14.90       |  |  |
| 5/16-18                                  | H3      | 46141 \$17.09       | 46142 \$17.09       | 46143 \$17.09       |  |  |
| 5/16-18                                  | H5      | 44371 \$14.90       | 44372 \$14.90       | 44373 \$14.90       |  |  |
| 5/16-24                                  | H2      | 44381 \$15.45       | 44382 \$15.45       | 44383 \$15.45       |  |  |
| 5/16-24                                  | H3      | 46151 \$17.09       | 46152 \$17.09       | 46153 \$17.09       |  |  |
| 5/16-24                                  | H4      | 44391 \$15.45       | 44392 \$15.45       | 44393 \$15.45       |  |  |
| 3/8-16                                   | H1      | 44401 \$17.92       | 44402 \$17.92       | 44403 \$17.92       |  |  |
| 3/8-16                                   | H2      | 44411 \$17.92       | 44412 \$17.92       | 44413 \$17.92       |  |  |
| 3/8-16                                   | H3      | 46161 \$18.32       | 46162 \$18.32       | 46163 \$18.32       |  |  |
| 3/8-16                                   | H5      | 44421 \$17.92       | 44422 \$17.92       | 44423 \$17.92       |  |  |
| 3/8-24                                   | H1      | 44431 \$17.92       | 44432 \$17.92       | 44433 \$17.92       |  |  |
| 3/8-24                                   | H2      | 44441 \$17.92       | 44442 \$17.92       | 44443 \$17.92       |  |  |
| 3/8-24                                   | H3      | 46171 \$18.32       | 46172 \$18.32       | 46173 \$18.32       |  |  |
| 3/8-24                                   | H4      | 44451 \$17.92       | 44452 \$17.92       | 44453 \$17.92       |  |  |
| 7/16-14                                  | H3      | 46181 \$26.57       | 46182 \$26.57       | 46183 \$26.57       |  |  |
| 7/16-14                                  | H5      | 44461 \$30.07       | 44462 \$30.07       | 44463 \$30.07       |  |  |
| 7/16-20                                  | H3      | 46191 \$26.57       | 46192 \$26.57       | 46193 \$26.57       |  |  |
| 7/16-20                                  | H5      | 44471 \$30.07       | 44472 \$30.07       | 44473 \$30.07       |  |  |
| 1/2-13                                   | H1      | 44481 \$32.77       | 44482 \$32.77       | 44483 \$32.77       |  |  |
| 1/2-13                                   | H3      | 46201 \$27.47       | 46202 \$27.47       | 46203 \$27.47       |  |  |
| 1/2-13                                   | H5      | 44491 \$32.77       | 44492 \$32.77       | 44493 \$32.77       |  |  |
| 1/2-20                                   | H1      | 44501 \$32.77       | 44502 \$32.77       | 44503 \$32.77       |  |  |
| 1/2-20                                   | H3      | 46211 \$29.77       | 46212 \$29.77       | 46213 \$29.77       |  |  |
| 1/2-20                                   | H5      | 44511 \$32.77       | 44512 \$32.77       | 44513 \$32.77       |  |  |
| 9/16-12                                  | H3      | 46221 \$40.50       | 46222 \$40.50       | 46223 \$40.50       |  |  |
| 9/16-12                                  | H5      | 44521 \$40.63       | 44522 \$40.63       | 44523 \$40.63       |  |  |
| 9/16-18                                  | H2      | 44531 \$42.26       | 44532 \$42.26       | 44533 \$42.26       |  |  |
| 9/16-18                                  | H3      | 46231 \$40.50       | 46232 \$40.50       | 46233 \$40.50       |  |  |
| 9/16-18                                  | H5      | 44541 \$42.26       | 44542 \$42.26       | 44543 \$42.26       |  |  |
| 5/8-11                                   | H2      | 44551 \$64.60       | 44552 \$64.60       | 44553 \$64.60       |  |  |
| 5/8-11                                   | H3      | 46241 \$46.09       | 46242 \$46.09       | 46243 \$46.09       |  |  |
| 5/8-11                                   | H5      | 44561 \$64.60       | 44562 \$64.60       | 44563 \$64.60       |  |  |
| 5/8-18                                   | H2      | 44571 \$64.60       | 44572 \$64.60       | 44573 \$64.60       |  |  |
| 5/8-18                                   | H3      | 46251 \$46.09       | 46252 \$46.09       | 46253 \$46.09       |  |  |
| 5/8-18                                   | H5      | 44581 \$64.60       | 44582 \$64.60       | 44583 \$64.60       |  |  |
| 11/16-11                                 | H       | 44591 \$69.76       | 44592 \$69.76       | 44593 \$69.76       |  |  |
| 11/16-16                                 | H3      | 44601 \$69.76       | 44602 \$69.76       | 44603 \$69.76       |  |  |
| 3/4-10                                   | H3      | 46261 \$61.03       | 46262 \$61.03       | 46263 \$61.03       |  |  |
| 3/4-10                                   | H5      | 44611 \$64.69       | 44612 \$64.69       | 44613 \$64.69       |  |  |
| 3/4-16                                   | H1      | 44621 \$64.69       | 44622 \$64.69       | 44623 \$64.69       |  |  |
| 3/4-16                                   | H2      | 44631 \$64.69       | 44632 \$64.69       | 44633 \$64.69       |  |  |
| 3/4-16                                   | H3      | 46271 \$61.03       | 46272 \$61.03       | 46273 \$61.03       |  |  |
| 3/4-16                                   | H5      | 44641 \$64.69       | 44642 \$64.69       | 44643 \$64.69       |  |  |
| 7/8-9                                    | H4      | 46281 \$88.16       | 46282 \$88.16       | 46283 \$88.16       |  |  |
| 7/8-9                                    | H6      | 44651 \$113.43      | 44652 \$113.43      | 44653 \$113.43      |  |  |
| 7/8-14                                   | H2      | 44661 \$113.43      | 44662 \$113.43      | 44663 \$113.43      |  |  |
| 7/8-14                                   | H4      | 46291 \$88.16       | 46292 \$88.16       | 46293 \$88.16       |  |  |
| 7/8-14                                   | H6      | 44671 \$113.43      | 44672 \$113.43      | 44673 \$113.43      |  |  |
| 1-8                                      | H4      | 46301 \$109.37      | 46302 \$109.37      | 46303 \$109.37      |  |  |
| 1-8                                      | H6      | 44681 \$162.53      | 44682 \$162.53      | 44683 \$162.53      |  |  |
| 1-12                                     | H4      | 46311 \$116.50      | 46312 \$116.50      | 46313 \$116.50      |  |  |
| 1-14                                     | H4      | 46321 \$142.85      | 46322 \$142.85      | 46323 \$142.85      |  |  |
| 1 1/8-7                                  | H4      | 46331 \$189.28      | 46332 \$189.28      | 46333 \$189.28      |  |  |
| 1 1/8-12                                 | H4      | 46341 \$189.28      | 46342 \$189.28      | 46343 \$189.28      |  |  |
| 1 1/4-7                                  | H4      | 46351 \$222.01      | 46352 \$222.01      | 46353 \$222.01      |  |  |
| 1 1/4-12                                 | H4      | 46361 \$233.83      | 46362 \$233.83      | 46363 \$233.83      |  |  |
| 1 3/8-6                                  | H4      | 46371 \$381.43      | 46372 \$381.43      | 46373 \$381.43      |  |  |
| 1 3/8-12                                 | H4      | 46381 \$381.43      | 46382 \$381.43      | 46383 \$381.43      |  |  |
| 1 1/2-6                                  | H4      | 46391 \$436.89      | 46392 \$436.89      | 46393 \$436.89      |  |  |
| 1 1/2-12                                 | H4      | 46401 \$436.89      | 46402 \$436.89      | 46403 \$436.89      |  |  |

## HSS Straight Flute Hand Taps

Types 23, 24, 25

Bright Finish Ground Thread Magnum Super Premium

| Type 23, Type 24 and Type 25 |         |        |         |        |         |        |         |
|------------------------------|---------|--------|---------|--------|---------|--------|---------|
| Size                         | H Limit | 23     |         | 24     |         | 25     |         |
|                              |         | Part # | Price   | Part # | Price   | Part # | Price   |
| 0-80                         | H1      | 71661  | \$15.20 | 71662  | \$15.20 | 71663  | \$15.20 |
| 0-80                         | H2      | 71671  | \$15.20 | 71672  | \$15.20 | 71673  | \$15.20 |
| 1-64                         | H1      | 71681  | \$15.20 | 71682  | \$15.20 | 71683  | \$15.20 |
| 1-64                         | H2      | 71691  | \$15.20 | 71692  | \$15.20 | 71693  | \$15.20 |
| 1-72                         | H1      | 71701  | \$15.20 | 71702  | \$15.20 | 71703  | \$15.20 |
| 1-72                         | H2      | 71711  | \$15.20 | 71712  | \$15.20 | 71713  | \$15.20 |
| 2-56                         | H1      | 71721  | \$19.05 | 71722  | \$19.05 | 71723  | \$19.05 |
| 2-56                         | H2      | 71231  | \$17.80 | 71232  | \$17.80 | 71233  | \$17.80 |
| 2-64                         | H2      | 71731  | \$15.16 | 71732  | \$15.16 | 71733  | \$15.16 |
| 3-48                         | H2      | 71741  | \$15.87 | 71742  | \$15.87 | 71743  | \$15.87 |
| 3-48                         | H2      | 71251  | \$14.17 | 71252  | \$14.17 | 71253  | \$14.17 |
| 3-56                         | H2      | 71751  | \$17.03 | 71752  | \$17.03 | 71753  | \$17.03 |
| 4-40                         | H2      | 61001  | \$8.08  | 61002  | \$8.08  | 61003  | \$8.08  |
| 4-48                         | H2      | 61011  | \$8.08  | 61012  | \$8.08  | 61013  | \$8.08  |
| 5-40                         | H1      | 71761  | \$8.81  | 71762  | \$8.81  | 71763  | \$8.81  |
| 5-40                         | H2      | 61021  | \$8.08  | 61022  | \$8.08  | 61023  | \$8.08  |
| 5-44                         | H2      | 61031  | \$8.08  | 61032  | \$8.08  | 61033  | \$8.08  |
| 6-32                         | H1      | 71771  | \$6.78  | 71772  | \$6.78  | 71773  | \$6.78  |
| 6-32                         | H2      | 71781  | \$6.78  | 71782  | \$6.78  | 71783  | \$6.78  |
| 6-32                         | H3      | 61041  | \$6.40  | 61042  | \$6.40  | 61043  | \$6.40  |
| 6-40                         | H1      | 71791  | \$7.27  | 71792  | \$7.27  | 71793  | \$7.27  |
| 6-40                         | H2      | 61051  | \$7.31  | 61052  | \$7.31  | 61053  | \$7.31  |
| 8-32                         | H1      | 71801  | \$6.78  | 71802  | \$6.78  | 71803  | \$6.78  |
| 8-32                         | H2      | 71811  | \$6.78  | 71812  | \$6.78  | 71813  | \$6.78  |
| 8-32                         | H3      | 61061  | \$6.49  | 61062  | \$6.49  | 61063  | \$6.49  |
| 8-36                         | H2      | 61071  | \$7.41  | 61072  | \$7.41  | 61073  | \$7.41  |
| 10-24                        | H1      | 71821  | \$7.37  | 71822  | \$7.37  | 71823  | \$7.37  |
| 10-24                        | H2      | 71831  | \$7.37  | 71832  | \$7.37  | 71833  | \$7.37  |
| 10-24                        | H3      | 61081  | \$7.05  | 61082  | \$7.05  | 61083  | \$7.05  |
| 10-32                        | H1      | 71841  | \$7.35  | 71842  | \$7.35  | 71843  | \$7.35  |
| 10-32                        | H2      | 71851  | \$7.35  | 71852  | \$7.35  | 71853  | \$7.35  |
| 10-32                        | H3      | 61091  | \$7.05  | 61092  | \$7.05  | 61093  | \$7.05  |
| 12-24                        | H3      | 61101  | \$7.36  | 61102  | \$7.36  | 61103  | \$7.36  |
| 12-28                        | H3      | 61111  | \$7.36  | 61112  | \$7.36  | 61113  | \$7.36  |
| 1/4-20                       | H1      | 71861  | \$7.71  | 71862  | \$7.71  | 71863  | \$7.71  |
| 1/4-20                       | H2      | 71871  | \$7.71  | 71872  | \$7.71  | 71873  | \$7.71  |
| 1/4-20                       | H3      | 61121  | \$7.36  | 61122  | \$7.36  | 61123  | \$7.36  |
| 1/4-20                       | H5      | 71881  | \$7.71  | 71882  | \$7.71  | 71883  | \$7.71  |
| 1/4-28                       | H1      | 71891  | \$7.71  | 71892  | \$7.71  | 71893  | \$7.71  |
| 1/4-28                       | H2      | 71901  | \$7.71  | 71902  | \$7.71  | 71903  | \$7.71  |
| 1/4-28                       | H3      | 61131  | \$7.36  | 61132  | \$7.36  | 61133  | \$7.36  |
| 1/4-28                       | H4      | 71911  | \$7.71  | 71912  | \$7.71  | 71913  | \$7.71  |
| 5/16-18                      | H2      | 71921  | \$9.68  | 71922  | \$9.68  | 71923  | \$9.68  |
| 5/16-18                      | H3      | 61141  | \$8.96  | 61142  | \$8.96  | 61143  | \$8.96  |
| 5/16-18                      | H5      | 71931  | \$9.68  | 71932  | \$9.68  | 71933  | \$9.68  |
| 5/16-24                      | H2      | 71941  | \$10.04 | 71942  | \$10.04 | 71943  | \$10.04 |
| 5/16-24                      | H3      | 61151  | \$8.96  | 61152  | \$8.96  | 61153  | \$8.96  |
| 5/16-24                      | H4      | 71951  | \$10.04 | 71952  | \$10.04 | 71953  | \$10.04 |
| 3/8-16                       | H1      | 71961  | \$10.81 | 71962  | \$10.81 | 71963  | \$10.81 |
| 3/8-16                       | H2      | 71971  | \$10.81 | 71972  | \$10.81 | 71973  | \$10.81 |
| 3/8-16                       | H3      | 61161  | \$9.83  | 61162  | \$9.83  | 61163  | \$9.83  |
| 3/8-16                       | H5      | 71981  | \$10.81 | 71982  | \$10.81 | 71983  | \$10.81 |
| 3/8-24                       | H1      | 71991  | \$10.81 | 71992  | \$10.81 | 71993  | \$10.81 |
| 3/8-24                       | H2      | 72001  | \$10.81 | 72002  | \$10.81 | 72003  | \$10.81 |
| 3/8-24                       | H3      | 61171  | \$9.83  | 61172  | \$9.83  | 61173  | \$9.83  |
| 3/8-24                       | H4      | 72011  | \$10.81 | 72012  | \$10.81 | 72013  | \$10.81 |
| 7/16-14                      | H3      | 61181  | \$17.17 | 61182  | \$17.17 | 61183  | \$17.17 |
| 7/16-14                      | H5      | 72021  | \$18.72 | 72022  | \$18.72 | 72023  | \$18.72 |
| 7/16-20                      | H3      | 61191  | \$17.17 | 61192  | \$17.17 | 61193  | \$17.17 |
| 7/16-20                      | H5      | 72031  | \$18.72 | 72032  | \$18.72 | 72033  | \$18.72 |
| 1/2-13                       | H1      | 72041  | \$23.29 | 72042  | \$23.29 | 72043  | \$23.29 |
| 1/2-13                       | H3      | 61201  | \$20.25 | 61202  | \$20.25 | 61203  | \$20.25 |
| 1/2-13                       | H5      | 72051  | \$23.29 | 72052  | \$23.29 | 72053  | \$23.29 |
| 1/2-20                       | H1      | 72061  | \$23.29 | 72062  | \$23.29 | 72063  | \$23.29 |
| 1/2-20                       | H3      | 61211  | \$20.25 | 61212  | \$20.25 | 61213  | \$20.25 |
| 1/2-20                       | H5      | 72071  | \$23.29 | 72072  | \$23.29 | 72073  | \$23.29 |
| 9/16-12                      | H3      | 55011  | \$31.32 | 55012  | \$31.32 | 55013  | \$31.32 |
| 9/16-12                      | H5      | 72081  | \$32.73 | 72082  | \$32.73 | 72083  | \$32.73 |
| 9/16-18                      | H2      | 72091  | \$32.73 | 72092  | \$32.73 | 72093  | \$32.73 |
| 9/16-18                      | H3      | 55021  | \$31.32 | 55022  | \$31.32 | 55023  | \$31.32 |
| 9/16-18                      | H5      | 72101  | \$32.73 | 72102  | \$32.73 | 72103  | \$32.73 |
| 5/8-11                       | H2      | 72111  | \$40.48 | 72112  | \$40.48 | 72113  | \$40.48 |

Bold = Most common size taps

Magnum Super Premium

## HSS Straight Flute Hand Taps

Types 23, 24, 25

Bright Finish Ground Thread- Magnum Super Premium

| Type 23, Type 24 and Type 25 |         |        |          |        |          |        |          |
|------------------------------|---------|--------|----------|--------|----------|--------|----------|
| Size                         | H Limit | 23     |          | 24     |          | 25     |          |
|                              |         | Part # | Price    | Part # | Price    | Part # | Price    |
| 5/8-11                       | H3      | 55031  | \$36.80  | 55032  | \$36.80  | 55033  | \$36.80  |
| 5/8-11                       | H5      | 72121  | \$40.48  | 72122  | \$40.48  | 72123  | \$40.48  |
| 5/8-18                       | H2      | 72131  | \$40.48  | 72132  | \$40.48  | 72133  | \$40.48  |
| 5/8-18                       | H3      | 55041  | \$36.80  | 55042  | \$36.80  | 55043  | \$36.80  |
| 5/8-18                       | H5      | 72141  | \$40.48  | 72142  | \$40.48  | 72143  | \$40.48  |
| 11/16-11                     | H3      | 72151  | \$43.72  | 72152  | \$43.72  | 72153  | \$43.72  |
| 11/16-16                     | H3      | 72161  | \$47.22  | 72162  | \$47.22  | 72163  | \$47.22  |
| 3/4-10                       | H3      | 55051  | \$49.08  | 55052  | \$49.08  | 55053  | \$49.08  |
| 3/4-10                       | H5      | 72171  | \$52.02  | 72172  | \$52.02  | 72173  | \$52.02  |
| 3/4-16                       | H1      | 72181  | \$52.02  | 72182  | \$52.02  | 72183  | \$52.02  |
| 3/4-16                       | H2      | 72191  | \$52.02  | 72192  | \$52.02  | 72193  | \$52.02  |
| 3/4-16                       | H3      | 55061  | \$49.08  | 55062  | \$49.08  | 55063  | \$49.08  |
| 3/4-16                       | H5      | 72201  | \$52.02  | 72202  | \$52.02  | 72203  | \$52.02  |
| 7/8-9                        | H4      | 55071  | \$73.99  | 55072  | \$73.99  | 55073  | \$73.99  |
| 7/8-9                        | H6      | 72211  | \$76.95  | 72212  | \$76.95  | 72213  | \$76.95  |
| 7/8-14                       | H2      | 72221  | \$76.95  | 72222  | \$76.95  | 72223  | \$76.95  |
| 7/8-14                       | H4      | 55081  | \$73.99  | 55082  | \$73.99  | 55083  | \$73.99  |
| 7/8-14                       | H6      | 72231  | \$76.95  | 72232  | \$76.95  | 72233  | \$76.95  |
| 1-8                          | H4      | 55091  | \$103.04 | 55092  | \$103.04 | 55093  | \$103.04 |
| 1-8                          | H6      | 72241  | \$110.25 | 72242  | \$110.25 | 72243  | \$110.25 |
| 1-12                         | H4      | 55101  | \$103.04 | 55102  | \$103.04 | 55103  | \$103.04 |
| 1-14                         | H4      | 55111  | \$103.04 | 55112  | \$103.04 | 55113  | \$103.04 |
| 1 1/8-7                      | H4      | 55121  | \$165.55 | 55122  | \$165.55 | 55123  | \$165.55 |
| 1 1/8-12                     | H4      | 55131  | \$175.21 | 55132  | \$175.21 | 55133  | \$175.21 |
| 1 1/4-7                      | H4      | 55141  | \$185.93 | 55142  | \$185.93 | 55143  | \$185.93 |
| 1 1/4-12                     | H4      | 55151  | \$185.93 | 55152  | \$185.93 | 55153  | \$185.93 |
| 1 3/8-6                      | H4      | 55161  | \$271.88 | 55162  | \$271.88 | 55163  | \$271.88 |
| 1 3/8-12                     | H4      | 55171  | \$279.13 | 55172  | \$279.13 | 55173  | \$279.13 |
| 1 1/2-6                      | H4      | 55181  | \$314.18 | 55182  | \$314.18 | 55183  | \$314.18 |
| 1 1/2-12                     | H4      | 55191  | \$321.42 | 55192  | \$321.42 | 55193  | \$321.42 |

## Sets - HSS Straight Flute Hand Taps

### Machine Screw/Fractional Sets - Taper, Plug, Bottoming Ground Thread - High Speed Steel

Type 26-AG - Gold Oxide, Type 26-AGN - Titanium Nitride (TiN), Type 26 - Bright Finish

| Sets    |         | Type 26-AG, Type 26-AGN and Type 26 |         |                      |         |              |         |
|---------|---------|-------------------------------------|---------|----------------------|---------|--------------|---------|
|         |         | 26-AG<br>Gold Oxide                 |         | 26-AGN<br>TiN Coated |         | 26<br>Bright |         |
| Size    | H Limit | Part #                              | Price   | Part#                | Price   | Part#        | Price   |
| 2-56    | H2      | 60663                               | \$47.19 | 46004                | \$60.66 | 71724        | \$53.41 |
| 3-48    | H2      | 60683                               | \$37.53 | 46014                | \$54.22 | 71744        | \$42.51 |
| 4-40    | H2      | 60703                               | \$30.30 | 46024                | \$40.04 | 61004        | \$23.69 |
| 4-48    | H2      | 60723                               | \$30.30 | 45954                | \$32.85 | 61014        | \$23.69 |
| 5-40    | H2      | 60733                               | \$30.30 | 46034                | \$40.04 | 61024        | \$23.69 |
| 5-44    | H2      | 60743                               | \$32.73 | 45974                | \$31.83 | 61034        | \$23.69 |
| 6-32    | H3      | 60753                               | \$23.97 | 46044                | \$32.51 | 61044        | \$19.02 |
| 6-40    | H2      | 60763                               | \$27.40 | 46054                | \$38.33 | 61054        | \$21.48 |
| 8-32    | H3      | 60773                               | \$24.36 | 46064                | \$35.87 | 61064        | \$19.33 |
| 8-36    | H2      | 60783                               | \$27.79 | 46074                | \$41.97 | 61074        | \$21.48 |
| 10-24   | H3      | 60793                               | \$26.38 | 46084                | \$35.78 | 61084        | \$20.37 |
| 10-32   | H3      | 60803                               | \$26.38 | 46094                | \$35.78 | 61094        | \$20.37 |
| 12-24   | H3      | 60813                               | \$29.15 | 46104                | \$43.77 | 61104        | \$22.09 |
| 12-28   | H3      | 60823                               | \$29.15 | 46114                | \$43.77 | 61114        | \$22.09 |
| 1/4-20  | H3      | 60833                               | \$29.19 | 46124                | \$39.20 | 61124        | \$22.09 |
| 1/4-28  | H3      | 60843                               | \$29.19 | 46134                | \$39.20 | 61134        | \$22.09 |
| 5/16-18 | H3      | 60853                               | \$31.22 | 46144                | \$51.27 | 61144        | \$25.52 |
| 5/16-24 | H3      | 60863                               | \$31.22 | 46154                | \$51.27 | 61154        | \$25.52 |
| 3/8-16  | H3      | 60873                               | \$36.85 | 46164                | \$54.97 | 61164        | \$28.23 |
| 3/8-24  | H3      | 60883                               | \$36.85 | 46174                | \$54.97 | 61174        | \$28.23 |
| 7/16-14 | H3      | 60893                               | \$62.42 | 46184                | \$79.70 | 61184        | \$51.04 |
| 7/16-20 | H3      | 60903                               | \$62.42 | 46194                | \$79.70 | 61194        | \$51.04 |
| 1/2-13  | H3      | 60913                               | \$64.46 | 46204                | \$82.41 | 61204        | \$58.60 |
| 1/2-20  | H3      | 60923                               | \$64.46 | 46214                | \$89.32 | 61214        | \$58.60 |

Continued on the Next column

## Sets - HSS Straight Flute Hand Taps

### Machine Screw/Fractional Sets- Taper, Plug, Bottoming round Thread - High Speed Steel

Type 26-AG - Gold Oxide, Type 26-AGN - Titanium Nitride (TiN), Type 26 - Bright Finish

| Sets     |         | Type 26-AG, Type 26-AGN and Type 26 |          |                      |            |              |          |
|----------|---------|-------------------------------------|----------|----------------------|------------|--------------|----------|
| Size     | H Limit | 26-AG<br>Gold Oxide                 |          | 26-AGN<br>TiN Coated |            | 26<br>Bright |          |
|          |         | Part #                              | Price    | Part#                | Price      | Part#        | Price    |
| 9/16-12  | H3      | 60953                               | \$90.83  | 46224                | \$121.51   | 55014        | \$92.03  |
| 9/16-18  | H3      | 60963                               | \$90.83  | 46234                | \$121.50   | 55024        | \$92.03  |
| 5/8-11   | H3      | 60973                               | \$102.26 | 46244                | \$138.26   | 55034        | \$110.44 |
| 5/8-18   | H3      | 60983                               | \$102.26 | 46254                | \$138.26   | 55044        | \$110.44 |
| 3/4-10   | H3      | 60993                               | \$135.43 | 46264                | \$183.09   | 55054        | \$147.25 |
| 3/4-16   | H3      | 61403                               | \$135.43 | 46274                | \$183.09   | 55064        | \$147.25 |
| 7/8-9    | H4      | 61413                               | \$195.57 | 46284                | \$264.47   | 55074        | \$218.43 |
| 7/8-14   | H4      | 61423                               | \$195.57 | 46294                | \$264.47   | 55084        | \$218.43 |
| 1"-8     | H4      | 61433                               | \$242.64 | 46304                | \$328.12   | 55094        | \$306.80 |
| 1"-12    | H4      | 61443                               | \$258.52 | 46314                | \$349.49   | 55104        | \$309.12 |
| 1"-14    | H4      | 27573                               | \$343.52 | 46324                | \$428.55   | 55114        | \$309.12 |
| 1 1/8-7  | H4      | 61453                               | \$419.94 | 46334                | \$567.85   | 55124        | \$496.65 |
| 1 1/8-12 | H4      | 61463                               | \$419.94 | 46344                | \$567.85   | 55134        | \$525.63 |
| 1 1/4-7  | H4      | 61473                               | \$492.60 | 46354                | \$666.03   | 55144        | \$557.78 |
| 1 1/4-12 | H4      | 61483                               | \$492.60 | 46364                | \$701.50   | 55154        | \$557.78 |
| 1 3/8-6  | H4      | 61493                               | \$846.32 | 46374                | \$1,144.29 | 55164        | \$815.64 |
| 1 3/8-12 | H4      | 61503                               | \$846.32 | 46384                | \$1,144.29 | 55174        | \$815.64 |
| 1 1/2-6  | H4      | 61513                               | \$968.58 | 46394                | \$1,310.67 | 55184        | \$942.54 |
| 1 1/2-12 | H4      | 61523                               | \$968.58 | 46404                | \$1,310.67 | 55194        | \$964.26 |

## METRIC - Straight Flute Hand Taps

### Gold Oxide Ground Thread - High Speed Steel

Type 31-AG, 32-AG, 33-AG Gold Surface Treated  
Magnum Super Premium

Gold Oxide - low temperature stress relief that enhances lubricity, reduces friction and increases tap toughness.

| Type 31-AG, Type 32-AG and Type 33-AG |          |        |         |        |         |        |         |
|---------------------------------------|----------|--------|---------|--------|---------|--------|---------|
| Size                                  | PD Limit | 31-AG  |         | 32-AG  |         | 33-AG  |         |
|                                       |          | Part # | Price   | Part # | Price   | Part # | Price   |
| 1.6-0.35                              | D3       | 60329  | \$15.88 | 61569  | \$15.88 | 61561  | \$15.88 |
| 1.8-0.35                              | D3       | 60339  | \$15.88 | 61579  | \$15.88 | 61571  | \$15.88 |
| 2.0-0.40                              | D3       | 60349  | \$15.88 | 61589  | \$15.88 | 61581  | \$15.88 |
| 2.2-0.45                              | D3       | 60359  | \$15.88 | 61599  | \$15.88 | 61591  | \$15.88 |
| 2.5-0.45                              | D3       | 60379  | \$9.37  | 61629  | \$9.37  | 61681  | \$9.37  |
| 3.0-0.50                              | D3       | 60389  | \$8.17  | 61631  | \$8.17  | 61682  | \$8.17  |
| 3.5-0.60                              | D3       | 60519  | \$9.70  | 61632  | \$9.70  | 61683  | \$9.70  |
| 4.0-0.70                              | D4       | 60529  | \$9.70  | 61633  | \$9.70  | 61684  | \$9.70  |
| 4.5-0.75                              | D4       | 60369  | \$9.95  | 61634  | \$9.95  | 61689  | \$9.95  |
| 5.0-0.80                              | D4       | 60539  | \$9.95  | 61639  | \$9.95  | 61691  | \$9.95  |
| 6.0-1.00                              | D5       | 60549  | \$8.28  | 61641  | \$8.28  | 61692  | \$8.28  |
| 7.0-1.00                              | D5       | 60559  | \$8.28  | 61642  | \$8.28  | 61693  | \$8.28  |
| 8.0-1.00                              | D5       | 60569  | \$12.51 | 61643  | \$12.51 | 61694  | \$12.51 |
| 8.0-1.25                              | D5       | 60579  | \$12.51 | 61644  | \$12.51 | 61699  | \$12.51 |
| 10.0-1.25                             | D5       | 60589  | \$14.55 | 61649  | \$14.55 | 61701  | \$14.55 |
| 10.0-1.50                             | D6       | 60611  | \$14.55 | 61651  | \$14.55 | 61702  | \$14.55 |
| 12.0-1.25                             | D5       | 61601  | \$22.86 | 61652  | \$22.86 | 61703  | \$22.86 |
| 12.0-1.50                             | D5       | 61901  | \$22.86 | 61911  | \$22.86 | 61921  | \$22.86 |
| 12.0-1.75                             | D6       | 61602  | \$22.86 | 61653  | \$22.86 | 61704  | \$22.86 |
| 14.0-1.50                             | D6       | 61603  | \$25.81 | 61654  | \$25.81 | 61709  | \$25.81 |
| 14.0-2.00                             | D7       | 61604  | \$25.81 | 61659  | \$25.81 | 61711  | \$25.81 |
| 16.0-1.50                             | D6       | 61609  | \$31.69 | 61661  | \$31.69 | 61712  | \$31.69 |
| 16.0-2.00                             | D7       | 61611  | \$31.69 | 61662  | \$31.69 | 61713  | \$31.69 |
| 18.0-1.50                             | D6       | 61281  | \$42.58 | 61282  | \$42.58 | 61283  | \$42.58 |
| 18.0-2.50                             | D7       | 61612  | \$42.58 | 61663  | \$42.58 | 61714  | \$42.58 |
| 20.0-1.50                             | D6       | 66361  | \$57.85 | 66362  | \$57.85 | 66363  | \$57.85 |
| 20.0-2.50                             | D7       | 61613  | \$57.85 | 61664  | \$57.85 | 61719  | \$57.85 |
| 22.0-1.50                             | D6       | 66371  | \$60.22 | 66372  | \$60.22 | 66373  | \$60.22 |
| 22.0-2.50                             | D7       | 66381  | \$60.22 | 66382  | \$60.22 | 66383  | \$60.22 |
| 24.0-2.00                             | D7       | 66391  | \$77.28 | 66392  | \$77.28 | 66393  | \$77.28 |

Continued on the Next page

# HSS Straight Flute Hand Taps

Price List

## Magnum Super Premium

### METRIC - Straight Flute Hand Taps Gold Oxide Ground Thread - High Speed Steel Type 31-AG, 32-AG, 33-AG Gold Surface Treated Magnum Super Premium

**Gold Oxide** - low temperature stress relief that enhances lubricity, reduces friction and increases tap toughness.

| Type 31-AG, Type 32-AG and Type 33-AG |          |        |          |        |          |        |          |
|---------------------------------------|----------|--------|----------|--------|----------|--------|----------|
| Size                                  | PD Limit | 31-AG  |          | 32-AG  |          | 33-AG  |          |
|                                       |          | Part # | Price    | Part # | Price    | Part # | Price    |
| 24.0-3.00                             | D8       | 61614  | \$77.28  | 61669  | \$77.28  | 61721  | \$77.28  |
| 27.0-2.00                             | D7       | 66401  | \$112.04 | 66402  | \$112.04 | 66403  | \$112.04 |
| 27.0-3.00                             | D8       | 61619  | \$112.04 | 61671  | \$112.04 | 61722  | \$112.04 |
| 30.0-2.00                             | D7       | 66411  | \$163.07 | 66412  | \$163.07 | 66413  | \$163.07 |
| 30.0-3.50                             | D9       | 61621  | \$163.07 | 61672  | \$163.07 | 61723  | \$163.07 |
| 33.0-2.00                             | D7       | 66421  | \$167.96 | 66422  | \$167.96 | 66423  | \$167.96 |
| 33.0-3.50                             | D9       | 61622  | \$167.96 | 61673  | \$167.96 | 61724  | \$167.96 |
| 36.0-3.00                             | D8       | 66431  | \$222.18 | 66432  | \$222.18 | 66433  | \$222.18 |
| 36.0-4.00                             | D9       | 61623  | \$222.18 | 61674  | \$222.18 | 61729  | \$222.18 |
| 39.0-3.00                             | D8       | 66441  | \$353.49 | 66442  | \$353.49 | 66443  | \$353.49 |
| 39.0-4.00                             | D9       | 61624  | \$353.49 | 61679  | \$353.49 | 61731  | \$353.49 |

### METRIC - Straight Flute Hand Taps Gold Oxide Ground Thread - High Speed Steel Type 31-AGN, 32-AGN, 33-AGN Gold Surface Treated Magnum Super Premium

**Gold Oxide** - low temperature stress relief that enhances lubricity, reduces friction and increases tap toughness.

| Type 31-AGN, Type 32-AGN and Type 33-AGN |          |        |          |        |          |        |          |
|------------------------------------------|----------|--------|----------|--------|----------|--------|----------|
| Size                                     | PD Limit | 31-AGN |          | 32-AGN |          | 33-AGN |          |
|                                          |          | Part # | Price    | Part # | Price    | Part # | Price    |
| 2.5-0.45                                 | D3       | 37731  | \$16.29  | 37732  | \$16.29  | 37733  | \$16.29  |
| 3.0-0.50                                 | D3       | 37741  | \$12.51  | 37742  | \$12.51  | 37743  | \$12.51  |
| 3.5-0.60                                 | D3       | 37751  | \$15.47  | 37752  | \$15.47  | 37753  | \$15.47  |
| 4.0-0.70                                 | D4       | 37761  | \$15.47  | 37762  | \$15.47  | 37763  | \$15.47  |
| 4.5-0.75                                 | D4       | 37771  | \$15.47  | 37772  | \$15.47  | 37773  | \$15.47  |
| 5.0-0.80                                 | D4       | 37781  | \$13.36  | 37782  | \$13.36  | 37783  | \$13.36  |
| 6.0-1.00                                 | D5       | 37791  | \$15.96  | 37792  | \$15.96  | 37793  | \$15.96  |
| 7.0-1.00                                 | D5       | 37801  | \$17.72  | 37802  | \$17.72  | 37803  | \$17.72  |
| 8.0-1.00                                 | D5       | 37811  | \$18.00  | 37812  | \$18.00  | 37813  | \$18.00  |
| 8.0-1.25                                 | D5       | 37821  | \$18.00  | 37822  | \$18.00  | 37823  | \$18.00  |
| 10.0-1.25                                | D5       | 37831  | \$27.79  | 37832  | \$27.79  | 37833  | \$27.79  |
| 10.0-1.50                                | D6       | 37841  | \$27.74  | 37842  | \$27.74  | 37843  | \$27.74  |
| 12.0-1.25                                | D5       | 37851  | \$30.10  | 37852  | \$30.10  | 37853  | \$30.10  |
| 12.0-1.50                                | D5       | 38451  | \$30.10  | 38452  | \$30.10  | 38453  | \$30.10  |
| 12.0-1.75                                | D6       | 37861  | \$30.99  | 37862  | \$30.99  | 37863  | \$30.99  |
| 14.0-1.50                                | D6       | 37871  | \$45.17  | 37872  | \$45.17  | 37873  | \$45.17  |
| 14.0-2.00                                | D7       | 37881  | \$45.17  | 37882  | \$45.17  | 37883  | \$45.17  |
| 16.0-1.50                                | D6       | 37891  | \$53.77  | 37892  | \$53.77  | 37893  | \$53.77  |
| 16.0-2.00                                | D7       | 37901  | \$53.77  | 37902  | \$53.77  | 37903  | \$53.77  |
| 18.0-1.50                                | D6       | 38491  | \$65.88  | 38492  | \$65.88  | 38493  | \$65.88  |
| 18.0-2.50                                | D7       | 37911  | \$65.88  | 37912  | \$65.88  | 37913  | \$65.88  |
| 20.0-1.50                                | D6       | 38501  | \$77.44  | 38502  | \$77.44  | 38503  | \$77.44  |
| 20.0-2.50                                | D7       | 37921  | \$77.44  | 37922  | \$77.44  | 37923  | \$77.44  |
| 22.0-1.50                                | D6       | 38521  | \$80.61  | 38522  | \$80.61  | 38523  | \$80.61  |
| 22.0-2.50                                | D7       | 38531  | \$80.61  | 38532  | \$80.61  | 38533  | \$80.61  |
| 24.0-2.00                                | D7       | 38541  | \$119.80 | 38542  | \$119.80 | 38543  | \$119.80 |
| 24.0-3.00                                | D8       | 37931  | \$119.80 | 37932  | \$119.80 | 37933  | \$119.80 |

Proudly Manufactured in the U.S.A.  
Order: 1-800-328-4655

### HSS Straight Flute Hand Taps Types 31, 32, 33 Bright Finish Ground Thread- Magnum Super Premium

| Type 31, Type 32 and Type 33 |          |        |          |        |          |        |          |
|------------------------------|----------|--------|----------|--------|----------|--------|----------|
| Size                         | PD Limit | 31     |          | 32     |          | 33     |          |
|                              |          | Part # | Price    | Part # | Price    | Part # | Price    |
| 1.6-0.35                     | D3       | 54691  | \$17.56  | 54692  | \$17.56  | 54693  | \$17.56  |
| 1.8-0.35                     | D3       | 54701  | \$17.56  | 54702  | \$17.56  | 54703  | \$17.56  |
| 2.0-0.40                     | D3       | 54711  | \$17.56  | 54712  | \$17.56  | 54713  | \$17.56  |
| 2.2-0.45                     | D3       | 54721  | \$17.56  | 54722  | \$17.56  | 54723  | \$17.56  |
| 2.5-0.45                     | D3       | 54731  | \$10.86  | 54732  | \$10.86  | 54733  | \$10.86  |
| 3.0-0.50                     | D3       | 54741  | \$9.04   | 54742  | \$9.04   | 54743  | \$9.04   |
| 3.5-0.60                     | D3       | 54751  | \$7.45   | 54752  | \$7.45   | 54753  | \$7.45   |
| 4.0-0.70                     | D4       | 54761  | \$8.56   | 54762  | \$8.56   | 54763  | \$8.56   |
| 4.5-0.75                     | D4       | 54771  | \$7.46   | 54772  | \$7.46   | 54773  | \$7.46   |
| 5.0-0.80                     | D4       | 54781  | \$7.46   | 54782  | \$7.46   | 54783  | \$7.46   |
| 6.0-1.00                     | D5       | 54791  | \$9.16   | 54792  | \$9.16   | 54793  | \$9.16   |
| 7.0-1.00                     | D5       | 54801  | \$8.60   | 54802  | \$8.60   | 54803  | \$8.60   |
| 8.0-1.00                     | D5       | 54811  | \$9.63   | 54812  | \$9.63   | 54813  | \$9.63   |
| 8.0-1.25                     | D5       | 54821  | \$9.99   | 54822  | \$9.99   | 54823  | \$9.99   |
| 10.0-1.25                    | D5       | 54831  | \$16.14  | 54832  | \$16.14  | 54833  | \$16.14  |
| 10.0-1.50                    | D6       | 54841  | \$23.91  | 54842  | \$23.91  | 54843  | \$23.91  |
| 12.0-1.25                    | D5       | 54851  | \$27.00  | 54852  | \$27.00  | 54853  | \$27.00  |
| 12.0-1.50                    | D5       | 55201  | \$21.73  | 55202  | \$21.73  | 55203  | \$21.73  |
| 12.0-1.75                    | D6       | 54861  | \$19.03  | 54862  | \$19.03  | 54863  | \$19.03  |
| 14.0-1.50                    | D6       | 54871  | \$28.55  | 54872  | \$28.55  | 54873  | \$28.55  |
| 14.0-2.00                    | D7       | 54881  | \$28.55  | 54882  | \$28.55  | 54883  | \$28.55  |
| 16.0-1.50                    | D6       | 54891  | \$35.05  | 54892  | \$35.05  | 54893  | \$35.05  |
| 16.0-2.00                    | D7       | 54901  | \$35.05  | 54902  | \$35.05  | 54903  | \$35.05  |
| 18.0-1.50                    | D6       | 54911  | \$47.10  | 54912  | \$47.10  | 54913  | \$47.10  |
| 18.0-2.50                    | D7       | 54921  | \$47.10  | 54922  | \$47.10  | 54923  | \$47.10  |
| 20.0-1.50                    | D6       | 55251  | \$64.00  | 55252  | \$64.00  | 55253  | \$64.00  |
| 20.0-2.50                    | D7       | 54931  | \$64.00  | 54932  | \$64.00  | 54933  | \$64.00  |
| 22.0-1.50                    | D6       | 55261  | \$66.61  | 55262  | \$66.61  | 55263  | \$66.61  |
| 22.0-2.50                    | D7       | 55271  | \$66.61  | 55272  | \$66.61  | 55273  | \$66.61  |
| 24.0-2.00                    | D7       | 55281  | \$85.49  | 55282  | \$85.49  | 55283  | \$85.49  |
| 24.0-3.00                    | D8       | 54941  | \$85.49  | 54942  | \$85.49  | 54943  | \$85.49  |
| 27.0-2.00                    | D7       | 55291  | \$123.95 | 55292  | \$123.95 | 55293  | \$123.95 |
| 27.0-3.00                    | D8       | 54951  | \$123.95 | 54952  | \$123.95 | 54953  | \$123.95 |
| 30.0-2.00                    | D7       | 55301  | \$180.41 | 55302  | \$180.41 | 55303  | \$180.41 |
| 30.0-3.50                    | D9       | 54961  | \$180.41 | 54962  | \$180.41 | 54963  | \$180.41 |
| 33.0-2.00                    | D7       | 55311  | \$185.82 | 55312  | \$185.82 | 55313  | \$185.82 |
| 33.0-3.50                    | D9       | 54971  | \$185.82 | 54972  | \$185.82 | 54973  | \$185.82 |
| 36.0-3.00                    | D8       | 55321  | \$245.79 | 55322  | \$245.79 | 55323  | \$245.79 |
| 36.0-4.00                    | D9       | 54981  | \$245.79 | 54982  | \$245.79 | 54983  | \$245.79 |
| 39.0-3.00                    | D8       | 55331  | \$391.07 | 55332  | \$391.07 | 55333  | \$391.07 |
| 39.0-4.00                    | D9       | 54991  | \$391.07 | 54992  | \$391.07 | 54993  | \$391.07 |

### Sets - METRIC - Straight Flute Hand Tap Ground Thread - High Speed Steel Type 35-AG - Gold Oxide, Type 35-AGN - TiN Coated, Type 35 - Bright Finish

| Sets Type 35-AG, Type 35-AGN and Type 35 Sets |          |                               |          |                         |          |                               |          |
|-----------------------------------------------|----------|-------------------------------|----------|-------------------------|----------|-------------------------------|----------|
| Size                                          | PD Limit | 35-AG<br>Gold Oxide<br>Part # | Price    | 35-AGN<br>TiN<br>Part # | Price    | 35<br>Bright Finish<br>Part # | Price    |
| 3.0-0.50                                      | D3       | 61741                         | \$24.52  | 37744                   | \$37.52  | 54744                         | \$27.12  |
| 4.0-0.70                                      | D4       | 61742                         | \$29.10  | 37764                   | \$46.41  | 54764                         | \$25.69  |
| 5.0-0.80                                      | D4       | 61743                         | \$29.86  | 37784                   | \$40.08  | 54784                         | \$22.37  |
| 6.0-1.00                                      | D5       | 61744                         | \$24.84  | 37794                   | \$47.88  | 54794                         | \$27.48  |
| 7.0-1.00                                      | D5       | 61749                         | \$24.84  | 37804                   | \$53.16  | 54804                         | \$25.81  |
| 8.0-1.00                                      | D5       | 61751                         | \$37.53  | 37374                   | \$54.00  | 54814                         | \$28.90  |
| 8.0-1.25                                      | D5       | 61752                         | \$37.53  | 37824                   | \$54.00  | 54824                         | \$29.98  |
| 10.0-1.25                                     | D5       | 61753                         | \$43.64  | 37834                   | \$83.37  | 54834                         | \$48.41  |
| 10.0-1.50                                     | D6       | 61754                         | \$43.64  | 37844                   | \$83.22  | 54844                         | \$48.42  |
| 12.0-1.25                                     | D5       | 61759                         | \$68.57  | 37854                   | \$90.31  | 54854                         | \$81.00  |
| 12.0-1.75                                     | D6       | 61761                         | \$68.57  | 37864                   | \$92.96  | 54864                         | \$57.10  |
| 14.0-1.50                                     | D6       | 61762                         | \$77.42  | 37874                   | \$135.51 | 54874                         | \$85.64  |
| 14.0-2.00                                     | D7       | 61763                         | \$77.42  | 37884                   | \$135.51 | 54884                         | \$85.64  |
| 16.0-1.50                                     | D6       | 61764                         | \$95.06  | 37894                   | \$161.31 | 54894                         | \$105.15 |
| 16.0-2.0                                      | D7       | 61769                         | \$95.06  | 37904                   | \$161.31 | 54904                         | \$105.15 |
| 18.0-2.50                                     | D7       | 61772                         | \$127.74 | 37914                   | \$197.64 | 54924                         | \$191.99 |
| 20.0-2.50                                     | D7       | 61774                         | \$173.55 | 37924                   | \$232.32 | 54934                         | \$191.99 |

## Straight Flute Taps - Left-Hand Thread

Types 23L-AG (Taper)

Type 24L-AG (Plug)

Type 25L-AG (Bottoming)

Gold Surface Treated

Magnum Super Premium

Special Hi-Tungsten and Hi-Molybdenum tool steels, gold surface treated for maximum lubricity. For general use in production tapping or hand operations.



| Type 23L-AG Taper Style |         |          |
|-------------------------|---------|----------|
| Part No.                | Size    | Price    |
| 60223                   | 6-32    | \$11.22  |
| 60243                   | 8-32    | \$12.21  |
| 60263                   | 10-24   | \$12.21  |
| 60273                   | 10-32   | \$12.21  |
| 60323                   | 1/4-20  | \$12.79  |
| 60333                   | 1/4-28  | \$12.79  |
| 60343                   | 5/16-18 | \$14.34  |
| 60353                   | 5/16-24 | \$14.34  |
| 60363                   | 3/8-16  | \$18.57  |
| 60373                   | 3/8-24  | \$18.57  |
| 60383                   | 7/16-14 | \$27.06  |
| 60393                   | 7/16-20 | \$27.06  |
| 60403                   | 1/2-13  | \$31.62  |
| 60413                   | 1/2-20  | \$31.62  |
| 60423                   | 9/16-12 | \$52.51  |
| 60433                   | 9/16-18 | \$52.51  |
| 60443                   | 5/8-11  | \$59.82  |
| 60453                   | 5/8-18  | \$59.82  |
| 60463                   | 11/1611 | \$65.11  |
| 60473                   | 11/1616 | \$65.11  |
| 60483                   | 3/4-10  | \$70.60  |
| 60493                   | 3/4-16  | \$70.60  |
| 60503                   | 7/8-9   | \$96.89  |
| 60513                   | 7/8-14  | \$96.89  |
| 60523                   | 1-8     | \$105.73 |
| 60533                   | 1-12    | \$105.73 |
| 60543                   | 1-14    | \$105.73 |
| 60553                   | 1-1/8-7 | \$266.56 |
| 60563                   | 1-1/812 | \$266.56 |
| 60573                   | 1-1/4-7 | \$336.50 |
| 60583                   | 1-1/412 | \$336.50 |
| 60593                   | 1-3/8-6 | \$419.16 |
| 60603                   | 1-3/812 | \$419.16 |
| 60613                   | 1-1/2-6 | \$488.13 |
| 60609                   | 1-1/212 | \$488.13 |



| Type 24L-AG Plug Style |         |         |
|------------------------|---------|---------|
| Part No.               | Size    | Price   |
| 60222                  | 6-32    | \$11.22 |
| 60242                  | 8-32    | \$12.21 |
| 60262                  | 10-24   | \$12.21 |
| 60272                  | 10-32   | \$12.21 |
| 60322                  | 1/4-20  | \$12.79 |
| 60332                  | 1/4-28  | \$12.79 |
| 60342                  | 5/16-18 | \$14.34 |
| 60352                  | 5/16-24 | \$14.34 |
| 60362                  | 3/8-16  | \$18.57 |
| 60372                  | 3/8-24  | \$18.57 |
| 60382                  | 7/16-14 | \$27.06 |
| 60392                  | 7/16-20 | \$27.06 |
| 60402                  | 1/2-13  | \$31.62 |

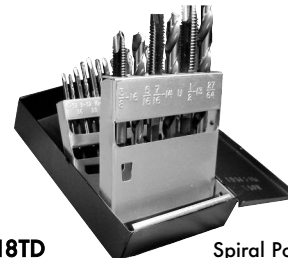
| Type 24L-AG Plug Style |         |          |
|------------------------|---------|----------|
| Part No.               | Size    | Price    |
| 60412                  | 1/2-20  | \$31.62  |
| 60422                  | 9/16-12 | \$52.51  |
| 60432                  | 9/16-18 | \$52.51  |
| 60442                  | 5/8-11  | \$59.82  |
| 60452                  | 5/8-18  | \$59.82  |
| 60462                  | 11/1611 | \$65.11  |
| 60472                  | 11/1616 | \$65.11  |
| 60482                  | 3/4-10  | \$70.60  |
| 60492                  | 3/4-16  | \$70.60  |
| 60502                  | 7/8-9   | \$96.89  |
| 60512                  | 7/8-14  | \$96.89  |
| 60522                  | 1-8     | \$105.73 |
| 60532                  | 1-12    | \$105.73 |
| 60542                  | 1-14    | \$105.73 |
| 60552                  | 1-1/8-7 | \$266.56 |
| 60562                  | 1-1/812 | \$266.56 |
| 60572                  | 1-1/4-7 | \$336.50 |
| 60582                  | 1-1/412 | \$336.50 |
| 60592                  | 1-3/8-6 | \$419.16 |
| 60602                  | 1-3/812 | \$419.16 |
| 60612                  | 1-1/2-6 | \$488.13 |
| 60619                  | 1-1/212 | \$488.13 |



| Type 25L-AG Bottoming Style |         |          |
|-----------------------------|---------|----------|
| Part No.                    | Size    | Price    |
| 60224                       | 6-32    | \$11.22  |
| 60244                       | 8-32    | \$12.21  |
| 60264                       | 10-24   | \$12.21  |
| 60274                       | 10-32   | \$12.21  |
| 60324                       | 1/4-20  | \$12.79  |
| 60334                       | 1/4-28  | \$12.79  |
| 60344                       | 5/16-18 | \$14.34  |
| 60354                       | 5/16-24 | \$14.34  |
| 60364                       | 3/8-16  | \$18.57  |
| 60374                       | 3/8-24  | \$18.57  |
| 60384                       | 7/16-14 | \$27.06  |
| 60394                       | 7/16-20 | \$27.06  |
| 60404                       | 1/2-13  | \$31.62  |
| 60414                       | 1/2-20  | \$31.62  |
| 60424                       | 9/16-12 | \$52.51  |
| 60434                       | 9/16-18 | \$52.51  |
| 60444                       | 5/8-11  | \$59.82  |
| 60454                       | 5/8-18  | \$59.82  |
| 60464                       | 11/1611 | \$65.11  |
| 60474                       | 11/1616 | \$65.11  |
| 60484                       | 3/4-10  | \$70.60  |
| 60494                       | 3/4-16  | \$70.60  |
| 60504                       | 7/8-9   | \$96.89  |
| 60514                       | 7/8-14  | \$96.89  |
| 60524                       | 1-8     | \$105.73 |
| 60534                       | 1-12    | \$105.73 |
| 60544                       | 1-14    | \$105.73 |
| 60554                       | 1-1/8-7 | \$266.56 |
| 60564                       | 1-1/812 | \$266.56 |
| 60574                       | 1-1/4-7 | \$336.50 |
| 60584                       | 1-1/412 | \$336.50 |
| 60594                       | 1-3/8-6 | \$419.16 |
| 60604                       | 1-3/812 | \$419.16 |
| 60614                       | 1-1/2-6 | \$488.13 |
| 60599                       | 1-1/212 | \$488.13 |

## Tap &amp; Drill Sets

Magnum Super Premium



SP-18TD

Spiral Point, NC

| Part No. | Description                 | Price    |
|----------|-----------------------------|----------|
| 57580    | 190-AG Drills<br>20-AG Taps | \$165.40 |

SP-18TDM

Spiral Point, Metric

| Part No. | Description                     | Price    |
|----------|---------------------------------|----------|
| 57990    | 170-AG Drills<br>21-AG Taps(mm) | \$194.74 |

SP-18TDF

Spiral Point, NF

| Part No. | Description                 | Price    |
|----------|-----------------------------|----------|
| 58010    | 190-AG Drills<br>20-AG Taps | \$172.64 |

SP-12TD

Spiral Point, NC

| Part No. | Description                 | Price   |
|----------|-----------------------------|---------|
| 58501    | 190-AG Drills<br>20-AG Taps | \$82.21 |

SF-18TDC

Straight Flute, NC

| Part No. | Description                 | Price    |
|----------|-----------------------------|----------|
| 60930    | 190-AG Drills<br>24-AG Taps | \$159.38 |

SF-18TDF

Straight Flute, NF

| Part No. | Description                 | Price    |
|----------|-----------------------------|----------|
| 60940    | 190-AG Drills<br>24-AG Taps | \$165.95 |

SF-10TD

Straight Flute, NC

| Part No. | Description                                  | Price    |
|----------|----------------------------------------------|----------|
| 58500    | 190-AG Drills<br>130-AG Drills<br>24-AG Taps | \$601.05 |

B-18TD

118Point Drills Maint.

| Part No. | Description           | Price    |
|----------|-----------------------|----------|
| 60541    | 100 Drills<br>20 Taps | \$144.93 |

# High Performance Reduced Neck Spiral Point Taps

## Machine Screw/Fractional & METRIC

### Machine Screw/Fractional & METRIC

#### Gold Oxide - High Performance Reduced Neck Spiral Point Taps

##### Type 29-AG - High-Speed Spiral Point

Designed for difficult materials including: stainless steel, alloy steels and high carbon steel, special tool geometry creates less torque, better removal of chips and runs cooler. Necked design enhances flow of cutting fluid to cutting teeth and reduces surface contact between the tool and workpiece for more efficient threading.



| Gold Oxide |        |         | Type 29-AG |          |         |        |         |          |
|------------|--------|---------|------------|----------|---------|--------|---------|----------|
| Part #     | Size   | Price   | Part #     | Size     | Price   | Part # | Size    | Price    |
| 44264      | 2-56   | \$19.21 | 44370      | 12-24A   | \$12.76 | 20163  | 9/16-12 | \$38.91  |
| 44284      | 3-48   | \$15.29 | 44384      | 12-28    | \$10.52 | 20173  | 9/16-18 | \$38.91  |
| 44300      | 4-40   | \$12.28 | 44380      | 12-28A   | \$12.76 | 20183  | 5/8-11  | \$52.78  |
| 44294      | 4-48   | \$13.84 | 20013      | 1/4-20   | \$11.41 | 20193  | 5/8-18  | \$52.78  |
| 44304      | 5-40   | \$12.36 | 20010      | 1/4-20A  | \$13.83 | 20203  | 3/4-10  | \$72.41  |
| 44309      | 5-44   | \$13.47 | 20023      | 1/4-28   | \$11.41 | 20213  | 3/4-16  | \$77.13  |
| 44310      | 6-32   | \$11.48 | 20020      | 1/4-28A  | \$13.83 | 20223  | 7/8-9   | \$108.66 |
| 44320      | 6-40   | \$11.48 | 20033      | 5/16-18  | \$12.75 | 20233  | 7/8-14  | \$108.66 |
| 44334      | 8-32   | \$8.07  | 20030      | 5/16-18A | \$15.46 | 20243  | 1-8     | \$151.32 |
| 44330      | 8-32A  | \$11.48 | 20043      | 5/16-24  | \$12.75 | 20253  | 1-14    | \$151.32 |
| 44344      | 8-36   | \$8.07  | 20040      | 5/16-24A | \$15.46 |        |         |          |
| 44340      | 8-36A  | \$11.48 | 20050      | 3/8-16   | \$17.54 | METRIC |         |          |
| 44354      | 10-24  | \$8.07  | 20060      | 3/8-24   | \$17.54 | Part#  | Size    | Price    |
| 44350      | 10-24A | \$11.48 | 20100      | 7/16-14  | \$21.29 | 24494  | 3-50    | \$13.97  |
| 44364      | 10-32  | \$8.07  | 20110      | 7/16-20  | \$21.29 | 24514  | 4-70    | \$13.97  |
| 44360      | 10-32A | \$11.48 | 20120      | 1/2-13   | \$21.73 | 24534  | 5-80    | \$13.97  |
| 44374      | 12-24  | \$10.52 | 20130      | 1/2-20   | \$22.74 | 24544  | 6-100   | \$14.77  |
|            |        |         |            |          |         | 24574  | 8-1.25  | \$17.23  |
|            |        |         |            |          |         | 24594  | 10-1.50 | \$26.27  |
|            |        |         |            |          |         | 24614  | 12-1.75 | \$32.83  |
|            |        |         |            |          |         | 24634  | 14-2.00 | \$49.39  |
|            |        |         |            |          |         | 24654  | 16-2.00 | \$58.05  |

#### Titanium Nitride - High Performance Reduced Neck Spiral Point Taps

##### Type 29-AGN - High-Speed Spiral Point



| TiN Coated |        |         | Type 29-AGN |          |         |        |         |          |
|------------|--------|---------|-------------|----------|---------|--------|---------|----------|
| Part #     | Size   | Price   | Part #      | Size     | Price   | Part # | Size    | Price    |
| 09501      | 2-56   | \$27.00 | 09671       | 12-24A   | \$21.44 | 09841  | 9/16-12 | \$58.41  |
| 09511      | 3-48   | \$22.23 | 09681       | 12-28    | \$18.71 | 09851  | 9/16-18 | \$58.41  |
| 09521      | 4-40   | \$20.46 | 09691       | 12-28A   | \$21.44 | 09861  | 5/8-11  | \$75.29  |
| 09531      | 4-48   | \$18.57 | 09701       | 1/4-20   | \$19.79 | 09871  | 5/8-18  | \$75.29  |
| 09541      | 5-40   | \$18.66 | 09711       | 1/4-20A  | \$22.74 | 09881  | 3/4-10  | \$100.32 |
| 09551      | 5-44   | \$20.01 | 09721       | 1/4-28   | \$19.79 | 09891  | 3/4-16  | \$106.06 |
| 09561      | 6-32   | \$19.88 | 09731       | 1/4-28A  | \$22.74 | 09901  | 7/8-9   | \$152.06 |
| 09571      | 6-40   | \$19.88 | 09741       | 5/16-18  | \$22.38 | 09911  | 7/8-14  | \$152.06 |
| 09581      | 8-32   | \$15.73 | 09751       | 5/16-18A | \$25.68 | 09921  | 1-8     | \$203.97 |
| 09591      | 8-32A  | \$19.88 | 09761       | 5/16-24  | \$22.38 | 09931  | 1-14    | \$203.97 |
| 09601      | 8-36   | \$15.73 | 09771       | 5/16-24A | \$25.68 |        |         |          |
| 09611      | 8-36A  | \$19.88 | 09781       | 3/8-16   | \$28.21 | METRIC |         |          |
| 09621      | 10-24  | \$15.73 | 09791       | 3/8-24   | \$28.21 | Part # | Size    | Price    |
| 09631      | 10-24A | \$19.88 | 09801       | 7/16-14  | \$33.92 | 09941  | 3-50    | \$20.62  |
| 09641      | 10-32  | \$15.73 | 09811       | 7/16-20  | \$33.67 | 09951  | 4-70    | \$22.91  |
| 09651      | 10-32A | \$19.88 | 09821       | 1/2-13   | \$34.45 | 09961  | 5-80    | \$22.91  |
| 09661      | 12-24  | \$18.71 | 09831       | 1/2-20   | \$35.68 | 09971  | 6-100   | \$23.88  |
|            |        |         |             |          |         | 09981  | 8-1.25  | \$27.83  |
|            |        |         |             |          |         | 09991  | 10-1.50 | \$39.98  |
|            |        |         |             |          |         | 10001  | 12-1.75 | \$47.96  |
|            |        |         |             |          |         | 10011  | 14-2.00 | \$71.16  |
|            |        |         |             |          |         | 10021  | 16-2.00 | \$82.84  |

#### TiCN Coated - High Performance Reduced Neck Spiral Point Taps

##### Type 29-ACN - High-Speed Spiral Point



| TiCN Coated |        |         | Type 29-ACN |          |         |        |         |          |
|-------------|--------|---------|-------------|----------|---------|--------|---------|----------|
| Part #      | Size   | Price   | Part #      | Size     | Price   | Part # | Size    | Price    |
| 31001       | 2-56   | \$28.93 | 31171       | 12-24A   | \$23.75 | 31341  | 9/16-12 | \$63.41  |
| 31011       | 3-48   | \$23.98 | 31181       | 12-28    | \$20.92 | 31351  | 9/16-18 | \$63.41  |
| 31021       | 4-40   | \$22.15 | 31191       | 12-28A   | \$23.75 | 31361  | 5/8-11  | \$80.92  |
| 31031       | 4-48   | \$20.18 | 31201       | 1/4-20   | \$22.05 | 31371  | 5/8-18  | \$80.92  |
| 31041       | 5-40   | \$20.29 | 31211       | 1/4-20A  | \$25.10 | 31381  | 3/4-10  | \$107.17 |
| 31051       | 5-44   | \$21.69 | 31221       | 1/4-28   | \$22.05 | 31391  | 3/4-16  | \$113.12 |
| 31061       | 6-32   | \$22.14 | 31231       | 1/4-28A  | \$25.10 | 31401  | 7/8-9   | \$162.78 |
| 31071       | 6-40   | \$22.14 | 31241       | 5/16-18  | \$24.97 | 31411  | 7/8-14  | \$162.78 |
| 31081       | 8-32   | \$17.83 | 31251       | 5/16-18A | \$28.39 | 31421  | 1-8     | \$216.62 |
| 31091       | 8-32A  | \$22.14 | 31261       | 5/16-24  | \$24.97 | 31431  | 1-14    | \$216.62 |
| 31101       | 8-36   | \$17.83 | 31271       | 5/16-24A | \$28.39 |        |         |          |
| 31111       | 8-36A  | \$22.14 | 31281       | 3/8-16   | \$31.02 | METRIC |         |          |
| 31121       | 10-24  | \$17.83 | 31291       | 3/8-24   | \$31.02 | Part # | Size    | Price    |
| 31131       | 10-24A | \$22.14 | 31301       | 7/16-14  | \$37.23 | 31441  | 3-50    | \$22.32  |
| 31141       | 10-32  | \$17.83 | 31311       | 7/16-20  | \$36.98 | 31451  | 4-70    | \$25.28  |
| 31151       | 10-32A | \$22.14 | 31321       | 1/2-13   | \$37.78 | 31461  | 5-80    | \$25.28  |
| 31161       | 12-24  | \$20.92 | 31331       | 1/2-20   | \$39.06 | 31471  | 6-100   | \$26.29  |
|             |        |         |             |          |         | 31481  | 8-1.25  | \$30.63  |
|             |        |         |             |          |         | 31491  | 10-1.50 | \$43.51  |
|             |        |         |             |          |         | 31501  | 12-1.75 | \$51.79  |
|             |        |         |             |          |         | 31511  | 14-2.00 | \$76.64  |
|             |        |         |             |          |         | 31521  | 16-2.00 | \$89.05  |

# High Performance Reduced Neck Spiral Point , Combination Drills & Tap

Magnum Super Premium

## TiAlN Coated - High Performance Reduced Neck Spiral Point Taps

### Type 29-ALN - High-Speed Spiral Point



| TiAlN Coated |        |         | Type 29-ALN |          |         |        |         |          |
|--------------|--------|---------|-------------|----------|---------|--------|---------|----------|
| Part #       | Size   | Price   | Part #      | Size     | Price   | Part # | Size    | Price    |
| 56301        | 2-56   | \$28.93 | 56471       | 12-24A   | \$23.75 | 56641  | 9/16-12 | \$63.41  |
| 56311        | 3-48   | \$23.98 | 56481       | 12-28    | \$20.92 | 56651  | 9/16-18 | \$63.41  |
| 56321        | 4-40   | \$22.15 | 56491       | 12-28A   | \$23.75 | 56661  | 5/8-11  | \$80.92  |
| 56331        | 4-48   | \$20.18 | 56501       | 1/4-20   | \$22.05 | 56671  | 5/8-18  | \$80.92  |
| 56341        | 5-40   | \$20.29 | 56511       | 1/4-20A  | \$25.10 | 56681  | 3/4-10  | \$107.17 |
| 56351        | 5-44   | \$21.69 | 56521       | 1/4-28   | \$22.05 | 56691  | 3/4-16  | \$113.12 |
| 56361        | 6-32   | \$22.14 | 56531       | 1/4-28A  | \$25.10 | 56701  | 7/8-9   | \$162.78 |
| 56371        | 6-40   | \$22.14 | 56541       | 5/16-18  | \$24.97 | 56711  | 7/8-14  | \$162.78 |
| 56381        | 8-32   | \$17.83 | 56551       | 5/16-18A | \$28.39 | 56721  | 1-8     | \$216.62 |
| 56391        | 8-32A  | \$22.14 | 56561       | 5/16-24  | \$24.97 | 56731  | 1-14    | \$216.62 |
| 56401        | 8-36   | \$17.83 | 56571       | 5/16-24A | \$28.39 |        |         |          |
| 56411        | 8-36A  | \$22.14 | 56581       | 3/8-16   | \$31.02 |        |         |          |
| 56421        | 10-24  | \$17.83 | 56591       | 3/8-24   | \$31.02 |        |         |          |
| 56431        | 10-24A | \$22.14 | 56601       | 7/16-14  | \$37.23 |        |         |          |
| 56441        | 10-32  | \$17.83 | 56611       | 7/16-20  | \$36.98 |        |         |          |
| 56451        | 10-32A | \$22.14 | 56621       | 1/2-13   | \$37.78 |        |         |          |
| 56461        | 12-24  | \$20.92 | 56631       | 1/2-20   | \$39.06 |        |         |          |

## M42 Cobalt Taps & Titanium Nitride

Type 24-RNC Gold Oxide, Type 24-RNCN Titanium Nitride

Fractional - Taps for Hardened Steel and Iron

For use in cast iron, brass, bronze, armor plate with a Rockwell C hardness between C30 - C45 and hard plastics.

NEW

## Combination Drill & Tap

### Type 40-AG



NEW

### Type 24-RNC - Gold Oxide

| Part # | Thread Size | Price   |
|--------|-------------|---------|
| 10052  | 4-40        | \$15.85 |
| 10072  | 5-40        | \$15.85 |
| 10092  | 6-32        | \$14.83 |
| 10112  | 8-32        | \$14.83 |
| 10132  | 10-24       | \$14.83 |
| 10142  | 10-32       | \$14.83 |
| 10172  | 1/4-20      | \$17.87 |
| 10182  | 1/4-28      | \$17.87 |
| 10192  | 5/16-18     | \$19.97 |
| 10202  | 5/16-24     | \$19.97 |
| 10212  | 3/8-16      | \$22.63 |
| 10222  | 3/8-24      | \$22.63 |
| 10232  | 7/16-14     | \$27.46 |
| 10242  | 7/16-20     | \$27.46 |
| 10272  | 1/2-13      | \$28.03 |
| 10282  | 1/2-20      | \$28.03 |
| 10292  | 5/8-11      | \$68.20 |
| 10302  | 5/8-18      | \$68.20 |
| 10312  | 3/4-10      | \$93.51 |
| 10322  | 3/4-16      | \$93.51 |

### Type 24-RNCN - Titanium Nitride

| Part # | Thread Size | Price    |
|--------|-------------|----------|
| 13802  | 4-40        | \$20.18  |
| 13822  | 5-40        | \$20.19  |
| 13842  | 6-32        | \$21.88  |
| 13862  | 8-32        | \$21.88  |
| 13882  | 10-24       | \$21.88  |
| 13892  | 10-32       | \$21.88  |
| 13922  | 1/4-20      | \$24.93  |
| 13932  | 1/4-28      | \$24.93  |
| 13942  | 5/16-18     | \$28.18  |
| 13952  | 5/16-24     | \$28.18  |
| 13962  | 3/8-16      | \$30.84  |
| 13972  | 3/8-24      | \$30.84  |
| 13982  | 7/16-14     | \$37.03  |
| 13992  | 7/16-20     | \$37.03  |
| 14002  | 1/2-13      | \$37.61  |
| 14012  | 1/2-20      | \$37.61  |
| 14042  | 5/8-11      | \$81.37  |
| 14052  | 5/8-18      | \$81.37  |
| 14062  | 3/4-10      | \$108.03 |
| 14072  | 3/4-16      | \$108.03 |

| Part No. | Size    | Price   |
|----------|---------|---------|
| 73770    | 4-40    | \$14.90 |
| 73780    | 4-48    | \$15.79 |
| 73790    | 5-40    | \$14.90 |
| 73800    | 5-44    | \$15.79 |
| 73810    | 6-32    | \$14.90 |
| 73820    | 6-40    | \$15.79 |
| 73830    | 8-32    | \$14.91 |
| 73840    | 8-36    | \$14.92 |
| 73850    | 10-24   | \$14.92 |
| 73860    | 10-32   | \$14.92 |
| 73870    | 12-24   | \$15.04 |
| 73880    | 12-28   | \$16.25 |
| 73890    | 1/4-20  | \$15.46 |
| 73900    | 1/4-28  | \$16.23 |
| 73910    | 5/16-18 | \$20.92 |
| 73920    | 5/16-24 | \$21.97 |
| 73930    | 3/8-16  | \$25.32 |
| 73940    | 3/8-24  | \$26.33 |
| 73950    | 7/16-14 | \$31.30 |
| 73960    | 7/16-20 | \$32.24 |
| 73970    | 1/2-13  | \$35.34 |
| 73980    | 1/2-20  | \$35.84 |
| 75540    | 9/16-12 | \$50.94 |
| 75550    | 9/16-18 | \$50.94 |
| 75560    | 5/8-11  | \$64.83 |
| 75570    | 5/8-18  | \$64.83 |

## Tap Sets Spiral Point & Straight Flute - Magnum Super Premium

Straight flute or spiral point taps in rugged black steel index.

| SP-19T - Type 20-AG Spiral Point                                                                                |             |          |
|-----------------------------------------------------------------------------------------------------------------|-------------|----------|
| Part No.                                                                                                        | Description | Price    |
| 61600                                                                                                           | SP-19T      | \$255.10 |
| 0-80, 1-64, 1-72, 2-56, 2-64, 3-48, 3-56, 4-40, 4-48, 5-44, 6-32, 6-40, 8-32, 8-36, 10-24, 10-32, 12-24 & 12-28 |             |          |

| SP-10T - Type 20-AG Spiral Point                                                    |             |          |
|-------------------------------------------------------------------------------------|-------------|----------|
| Part No.                                                                            | Description | Price    |
| 61610                                                                               | SP-10T      | \$174.54 |
| 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13 & 1/2-20 |             |          |

| SF-10T - Type 24-AG Straight Flute                                                  |             |          |
|-------------------------------------------------------------------------------------|-------------|----------|
| Part No.                                                                            | Description | Price    |
| 61620                                                                               | SF-10T      | \$167.82 |
| 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13 & 1/2-20 |             |          |

| TDC-12 - Type 190-AG, 20-AG and 82-AG         |             |         |
|-----------------------------------------------|-------------|---------|
| Part No.                                      | Description | Price   |
| 20470                                         | TDC-12      | \$80.58 |
| Wire: #7, 21, 25, 29 and 36.                  |             |         |
| Taps: 6-32, 8/32, 10-24, 10-32 and 1/4-20     |             |         |
| CS: No. 8 screw size and 3/16-17/32 range cut |             |         |

| METRIC   |                  |                   |
|----------|------------------|-------------------|
| Part No. | Size             | Price             |
| 85921    | 3.0 x 0.5        | \$15.54           |
| 85931    | 4.0 x 0.7        | \$15.54           |
| 85941    | 5.0 x 0.8        | \$15.54           |
| 85951    | 6.0 x 1.00       | \$15.54           |
| 85961    | 7.0 x 1.00       | \$20.92           |
| 85971    | 8.0 x 1.25       | \$20.92           |
| 85991    | 10.0 x 1.50      | \$25.32           |
| 86001    | 12.0 x 1.75      | \$35.34           |
| Sets     | Type 40-AG       | Combo Drill & Tap |
| Part No. | Size             | Price             |
| 21330    | 6-32 thru 1/4-20 | \$113.12          |
| 73990    | 8-32 thru 1/2-13 | Course \$162.17   |
| 73991    | 8-36 thru 1/2-20 | Fine \$166.45     |

## Combination Drill & Tap

### Type 40-QR



| Type 40-QR Combo Drill & Tap |         |         |
|------------------------------|---------|---------|
| Part No.                     | Size    | Price   |
| 73814                        | 6-32    | \$14.90 |
| 73834                        | 8-32    | \$14.91 |
| 73854                        | 10-24   | \$14.92 |
| 73864                        | 10-32   | \$14.92 |
| 73874                        | 12-24   | \$15.04 |
| 73894                        | 1/4-20  | \$15.46 |
| 73904                        | 1/4-28  | \$16.23 |
| 73914                        | 5/16-18 | \$16.74 |
| 73934                        | 3/8-16  | \$20.26 |

| METRIC   |             |         |
|----------|-------------|---------|
| Part No. | Size        | Price   |
| 85924    | 3.0 x 0.5   | \$15.54 |
| 85934    | 4.0 x 0.7   | \$15.54 |
| 85944    | 5.0 x 0.8   | \$15.54 |
| 85954    | 6.0 x 1.00  | \$15.54 |
| 85974    | 8.0 x 1.25  | \$16.74 |
| 85994    | 10.0 x 1.50 | \$20.26 |

| Sets     | Type 40-QR | Combo Drill & Tap |
|----------|------------|-------------------|
| Part No. | Size       | Price             |
| 21324    | 40-QR DT-5 | \$78.21           |

Proudly Manufactured in the U.S.A. Order: 1-800-328-4655

# Regular & Interrupted Taper Pipe Taps, Carded Drill & Tap Combo

## Magnum Super Premium

### Carded Drills & Tap Combo

#### Type 34-AG Drill & Tap Combo

Hi-Molybdenum super premium twist drill combined with the corresponding Hi-Tungsten magnum spiral point tap. Both tools are gold surface treated for maximum lubricity. Precision ground tools for the ultimate in accuracy and performance.

| Part No. | Size             | Price   |
|----------|------------------|---------|
| 51807    | 6-32 / #36       | \$10.88 |
| 51817    | 6-40 / #33       | \$10.88 |
| 51827    | 8-32 / #29       | \$11.10 |
| 51837    | 8-36 / #29       | \$12.26 |
| 51847    | 10-24 / #25      | \$11.24 |
| 51857    | 10-32 / #21      | \$11.39 |
| 51867    | 12-24 / #16      | \$12.65 |
| 51877    | 12-28 / #14      | \$12.65 |
| 51887    | 1/4-20 / #7      | \$12.16 |
| 51897    | 1/4-28 / #3      | \$13.38 |
| 51907    | 5/16-18 / F      | \$14.08 |
| 51917    | 5/16-24 / I      | \$15.49 |
| 51927    | 3/8-16 / 5/16"   | \$14.92 |
| 51937    | 3/8-24 / Q       | \$19.26 |
| 51947    | 7/16-14 / U      | \$27.17 |
| 51957    | 7/16-20 / 25/64" | \$27.11 |
| 51967    | 1/2-13 / 27/64"  | \$27.65 |
| 51977    | 1/2-20 / 29/64"  | \$32.89 |

#### Type 34-AG Display

| Part No. | Size           | Price    |
|----------|----------------|----------|
| 52001    | DC38DT Display | \$697.57 |
| 14120    | Display Only   | \$42.23  |



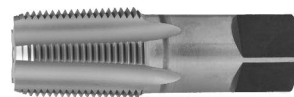
DC38DT Display

### Regular - Taper Pipe Taps - Type 30-AG, 30-AGN, 30-B & 30 Magnum Super Premium

• **Regular** Thread NPT Taper Pipe taps are used for tapping pipe fittings and couplings in a wide variety of materials.



Type 30-AG



Type 30-AGN

| Size<br>NPT       | # of<br>Flutes | OAL    | Shank<br>Diameter | Tap Drill<br>Size | 30-AG<br>Gold Oxide |          | 30-AGN<br>TiN Coated |          | 30-B<br>Black Oxide |          | 30<br>Bright Finish |          |
|-------------------|----------------|--------|-------------------|-------------------|---------------------|----------|----------------------|----------|---------------------|----------|---------------------|----------|
|                   |                |        |                   |                   | Part #              | Price    | Part #               | Price    | Part #              | Price    | Part #              | Price    |
| 1/16-27           | 4              | 2-1/8  | .3125             | D                 | 60570               | \$29.53  | 59343                | \$44.89  | 59342               | \$26.95  | 59341               | \$26.95  |
| 1/8-27 (5/16 Shk) | 4              | 2-1/8  | .3125             | 11/32             | 61240               | \$29.53  | 59353                | \$44.89  | 59352               | \$26.95  | 59351               | \$26.95  |
| 1/8-27            | 4              | 2-1/8  | .4375             | 11/32             | 61250               | \$29.53  | 59363                | \$44.89  | 59362               | \$26.95  | 59361               | \$26.95  |
| 1/4-18            | 4              | 2-7/16 | .5625             | 7/16              | 61260               | \$33.56  | 59373                | \$52.77  | 59372               | \$29.59  | 59371               | \$29.59  |
| 3/8-18            | 4              | 2-9/16 | .7000             | 37/64             | 61270               | \$42.96  | 59383                | \$65.18  | 59382               | \$38.86  | 59381               | \$38.86  |
| 1/2-14            | 4              | 3-1/8  | .6875             | 23/32             | 61280               | \$71.16  | 59393                | \$107.14 | 59392               | \$62.12  | 59391               | \$62.12  |
| 3/4-14            | 5              | 3-1/4  | .9063             | 59/64             | 61290               | \$79.11  | 59403                | \$118.46 | 59402               | \$87.54  | 59401               | \$87.54  |
| 1"-11 1/2         | 5              | 3-3/4  | 1.1250            | 1-5/32            | 61300               | \$78.55  | 59413                | \$134.43 | 59412               | \$86.89  | 59411               | \$86.89  |
| 1 1/4"-11 1/2     | 5              | 4      | 1.3125            | 1-1/2             | 61310               | \$168.78 | 59423                | \$247.00 | 59422               | \$186.72 | 59421               | \$186.72 |
| 1 1/2"-11 1/2     | 7              | 4-1/4  | 1.500             | 1-47/64           | 61320               | \$231.55 | 59433                | \$323.37 | 59432               | \$256.16 | 59431               | \$256.16 |
| 2"-11 1/2         | 7              | 4-1/2  | 1.8750            | 2-7/32            | 61330               | \$311.13 | 59443                | \$420.21 | 59442               | \$344.19 | 59441               | \$344.19 |

30-AG taps 1/8 & 1/4 are 3 per pack.

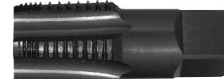
### Interrupted - Taper Pipe Taps - Type I30-AG, I30-AGN, I30-B & I30 Magnum Super Premium

• **Interrupted** Thread Taper Pipe taps reduce friction, increase chip capacity, and enhance coolant flow. Recommended for a wide variety of materials including soft ductile materials that produce long stringy chips.

(\*Black Oxide Taper Pipe Tap used on Cast Iron)



Type I30-AGN Interrupted



Type I30-B Interrupted

| Size<br>NPT       | # of<br>Flutes | OAL    | Shank<br>Diameter | Tap Drill<br>Size | I30-AG<br>Gold Oxide |          | I30-AGN<br>TiN Coated |          | I30-B<br>Black Oxide |          | I30<br>Bright Finish |          |
|-------------------|----------------|--------|-------------------|-------------------|----------------------|----------|-----------------------|----------|----------------------|----------|----------------------|----------|
|                   |                |        |                   |                   | Part #               | Price    | Part #                | Price    | Part #               | Price    | Part #               | Price    |
| 1/16-27           | 4              | 2-1/8  | .3125             | D                 | -----                | -----    | -----                 | -----    | -----                | -----    | -----                | -----    |
| 1/8-27 (5/16 Shk) | 4              | 2-1/8  | .3125             | 11/32             | -----                | -----    | -----                 | -----    | -----                | -----    | -----                | -----    |
| 1/8-27            | 4              | 2-1/8  | .4375             | 11/32             | 81410                | \$44.28  | 95722                 | \$67.34  | 95771                | \$40.43  | 95770                | \$40.43  |
| 1/4-18            | 4              | 2-7/16 | .5625             | 7/16              | 81420                | \$49.79  | 95782                 | \$79.15  | 95781                | \$44.39  | 95780                | \$44.39  |
| 3/8-18            | 4              | 2-9/16 | .7000             | 37/64             | 81430                | \$63.51  | 95792                 | \$97.77  | 95791                | \$58.29  | 95790                | \$58.29  |
| 1/2-14            | 4              | 3-1/8  | .6875             | 23/32             | 81440                | \$101.22 | 95802                 | \$155.36 | 95801                | \$90.08  | 95800                | \$90.08  |
| 3/4-14            | 5              | 3-1/4  | .9063             | 59/64             | 81450                | \$118.66 | 95812                 | \$177.69 | 95811                | \$131.30 | 95810                | \$131.30 |
| 1"-11 1/2         | 5              | 3-3/4  | 1.1250            | 1-5/32            | 81460                | \$117.82 | 95822                 | \$201.67 | 95821                | \$130.34 | 95820                | \$130.34 |
| 1 1/4"-11 1/2     | 5              | 4      | 1.3125            | 1-1/2             | 81470                | \$253.18 | 95832                 | \$370.48 | 95831                | \$280.08 | 95830                | \$280.08 |
| 1 1/2"-11 1/2     | 7              | 4-1/4  | 1.500             | 1-47/64           | 81480                | \$347.33 | 95842                 | \$485.04 | 95841                | \$384.24 | 95840                | \$384.24 |
| 2"-11 1/2         | 7              | 4-1/2  | 1.8750            | 2-7/32            | 81490                | \$466.70 | 95852                 | \$630.30 | 95851                | \$516.29 | 95850                | \$516.29 |

Proudly Manufactured in the U.S.A. Order : 1-800-328-4655

# Hexagon Dies, Hi-Carbon Steel Machine Screw Tap

Ultra Bor Super Premium, High-Speed Steel

## Hexagon High-Speed Steel Dies Type 27-AG

### Magnum

#### Super Premium

Polished gold finish with black surface treated threads for long life.



#### Type 27-AG Hexagon High-Speed Steel Dies

| Part No. | Size    | Price   |
|----------|---------|---------|
| 61000    | 4-40    | \$11.64 |
| 61010    | 6-32    | \$11.64 |
| 61020    | 8-32    | \$11.64 |
| 61030    | 10-24   | \$11.64 |
| 61040    | 10-32   | \$11.64 |
| 61050    | 12-24   | \$11.64 |
| 61060    | 1/4-20  | \$11.64 |
| 61070    | 1/4-28  | \$11.64 |
| 61080    | 5/16-18 | \$11.64 |
| 61090    | 5/16-24 | \$11.64 |
| 61100    | 3/8-16  | \$11.64 |
| 61110    | 3/8-24  | \$11.64 |
| 61120    | 7/16-14 | \$11.64 |
| 61130    | 7/16-20 | \$11.64 |
| 61140    | 1/2-13  | \$12.21 |
| 61150    | 1/2-20  | \$12.21 |
| 61160    | 9/16-12 | \$26.26 |
| 61170    | 9/16-18 | \$26.26 |
| 61180    | 5/8-11  | \$26.26 |
| 61190    | 5/8-18  | \$26.26 |
| 61200    | 3/4-10  | \$26.26 |
| 61210    | 3/4-16  | \$26.26 |
| 61220    | 1/8-27  | \$12.21 |
| 61230    | 1/4-18  | \$26.26 |

#### Type 27-AG Metric Hexagon High-Speed Dies

| Part No. | Size    | Price   |
|----------|---------|---------|
| 60511    | 3X.50   | \$14.11 |
| 60521    | 3.5X.60 | \$14.11 |
| 60531    | 4X.70   | \$14.76 |
| 60551    | 5X.80   | \$14.76 |
| 60561    | 6X1.00  | \$14.76 |
| 60581    | 8X1.25  | \$15.46 |
| 60601    | 10X1.50 | \$15.46 |
| 60621    | 12X1.75 | \$15.46 |
| 60622    | 14X1.50 | \$32.94 |

## Hi-Carbon Steel Taps Type 721 (Plug)

Made of super tough carbon steel, these taps are ideal for hand tapping applications. All taps have the size drill to use permanently marked on the tap. These items are manufactured to U.S. industry specifications.



#### Type 721 - Plug - Machine Screw

| Part No. | Size  | Price  |
|----------|-------|--------|
| 54860    | 0X80  | \$5.13 |
| 54870    | 1X64  | \$4.87 |
| 54880    | 1X72  | \$4.87 |
| 54890    | 2X56  | \$4.59 |
| 54900    | 2X64  | \$4.59 |
| 54910    | 3X48  | \$4.59 |
| 54920    | 3X56  | \$4.59 |
| 55750    | 4X36  | \$2.32 |
| 55760    | 4X40  | \$2.32 |
| 55770    | 5X40  | \$2.32 |
| 55780    | 6X32  | \$2.44 |
| 55790    | 6X40  | \$2.44 |
| 55800    | 6X48  | \$2.44 |
| 55810    | 8X32  | \$2.44 |
| 55820    | 8X36  | \$2.44 |
| 55830    | 8X40  | \$2.44 |
| 55840    | 10X24 | \$2.61 |
| 55850    | 10X32 | \$2.61 |
| 55860    | 12X24 | \$2.67 |
| 55870    | 12X28 | \$2.67 |
| 55880    | 14X20 | \$2.98 |

## Hi-Carbon Steel Taps

### Types 720 Plug - Fractional

### Type 741 Taper - Machine Screw

### Type 740 Taper - Fractional

#### Type 720 - Plug - Fractional

| Part No. | Size       | Price   |
|----------|------------|---------|
| 55010    | 3/16 X 24  | \$2.61  |
| 55020    | 3/16 X 32  | \$2.61  |
| 55030    | 1/4 X 20   | \$2.61  |
| 55040    | 1/4 X 28   | \$2.61  |
| 55050    | 5/16 X 18  | \$3.42  |
| 55060    | 5/16 X 24  | \$3.42  |
| 55070    | 3/8 X 16   | \$4.23  |
| 55080    | 3/8 X 24   | \$4.23  |
| 55090    | 7/16 X 14  | \$4.59  |
| 55100    | 7/16 X 20  | \$4.59  |
| 55110    | 1/2 X 13   | \$5.21  |
| 55120    | 1/2 X 20   | \$5.21  |
| 55130    | 9/16 X 12  | \$7.55  |
| 55140    | 9/16 X 18  | \$7.55  |
| 55150    | 5/8 X 11   | \$9.01  |
| 55720    | 5/8 X 18   | \$9.01  |
| 55730    | 11/16 X 11 | \$11.69 |
| 55740    | 11/16 X 16 | \$11.69 |
| 55160    | 3/4 X 10   | \$11.86 |
| 55890    | 3/4 X 16   | \$11.86 |
| 55170    | 7/8 X 9    | \$15.68 |
| 55180    | 7/8 X 14   | \$15.68 |
| 55190    | 1 X 8      | \$19.43 |
| 55200    | 1 X 12     | \$19.43 |
| 55210    | 1 X 14     | \$19.43 |

#### Type 741 - Taper - Machine Screw

| Part No. | Size    | Price  |
|----------|---------|--------|
| 54790    | 0 X 80  | \$5.13 |
| 54800    | 1 X 64  | \$4.87 |
| 54810    | 1 X 72  | \$4.87 |
| 54820    | 2 X 56  | \$4.59 |
| 54830    | 2 X 64  | \$4.59 |
| 54840    | 3 X 48  | \$4.59 |
| 54850    | 3 X 56  | \$4.59 |
| 55900    | 4 X 36  | \$2.32 |
| 55910    | 4 X 40  | \$2.32 |
| 55920    | 5 X 40  | \$2.32 |
| 55930    | 6 X 32  | \$2.44 |
| 55940    | 6 X 40  | \$2.44 |
| 55950    | 6 X 48  | \$2.44 |
| 55960    | 8 X 32  | \$2.44 |
| 55970    | 8 X 36  | \$2.44 |
| 55980    | 8 X 40  | \$2.44 |
| 55990    | 10 X 24 | \$2.61 |
| 56000    | 10 X 32 | \$2.61 |
| 56010    | 12 X 24 | \$2.67 |
| 56020    | 12 X 28 | \$2.67 |
| 56030    | 14 X 20 | \$2.98 |

#### Carded

#### Type 741

| Part No. | Size | Price  | Part No. | Size  | Price  |
|----------|------|--------|----------|-------|--------|
| 55907    | 4X36 | \$2.78 | 55977    | 8X36  | \$2.89 |
| 55917    | 4X40 | \$2.78 | 55987    | 8X40  | \$2.89 |
| 55927    | 5X40 | \$2.78 | 55997    | 10X24 | \$3.05 |
| 55937    | 6X32 | \$2.89 | 56007    | 10X32 | \$3.05 |
| 55947    | 6X40 | \$2.89 | 56017    | 12X24 | \$3.14 |
| 55957    | 6X48 | \$2.89 | 56027    | 12X28 | \$3.14 |
| 55967    | 8X32 | \$2.89 | 56037    | 14X20 | \$3.44 |

#### Type 740 - Taper - Fractional

| Part No. | Size       | Price   |
|----------|------------|---------|
| 55250    | 3/16 X 24  | \$2.61  |
| 55260    | 3/16 X 32  | \$2.61  |
| 55270    | 1/4 X 20   | \$2.61  |
| 55280    | 1/4 X 28   | \$2.61  |
| 55290    | 5/16 X 18  | \$3.42  |
| 55300    | 5/16 X 24  | \$3.42  |
| 55310    | 3/8 X 16   | \$4.22  |
| 55320    | 3/8 X 24   | \$4.22  |
| 55330    | 7/16 X 14  | \$4.59  |
| 55340    | 7/16 X 20  | \$4.59  |
| 55350    | 1/2 X 13   | \$5.21  |
| 55360    | 1/2 X 20   | \$5.21  |
| 55370    | 9/16 X 12  | \$7.55  |
| 55380    | 9/16 X 18  | \$7.55  |
| 55390    | 5/8 X 11   | \$9.01  |
| 55460    | 5/8 X 18   | \$9.01  |
| 55470    | 11/16 X 11 | \$11.69 |
| 55480    | 11/16 X 16 | \$11.69 |
| 55400    | 3/4 X 10   | \$11.86 |
| 55710    | 3/4 X 16   | \$11.86 |
| 55410    | 7/8 X 9    | \$15.68 |
| 55420    | 7/8 X 14   | \$15.68 |
| 55430    | 1 X 8      | \$19.43 |
| 55440    | 1 X 12     | \$19.43 |
| 55450    | 1 X 14     | \$19.43 |

#### Carded

#### Type 740

| Part No. | Size      | Price  |
|----------|-----------|--------|
| 55257    | 3/16 X 24 | \$3.24 |
| 55267    | 3/16 X 32 | \$3.24 |
| 55277    | 1/4 X 20  | \$3.24 |
| 55287    | 1/4 X 28  | \$3.24 |
| 55297    | 5/16 X 18 | \$4.03 |
| 55307    | 5/16 X 24 | \$4.03 |
| 55317    | 3/8 X 16  | \$4.88 |
| 55327    | 3/8 X 24  | \$4.88 |
| 55337    | 7/16 X 14 | \$5.22 |
| 55347    | 7/16 X 20 | \$5.22 |
| 55357    | 1/2 X 13  | \$5.85 |
| 55367    | 1/2 X 20  | \$5.85 |

Proudly Manufactured in the U.S.A.  
Order : 1-800-328-4655

Taps are packaged 3 per pack thru 1/2" and 1 per pack above 1/2".  
Dies are packaged 3 per pack thru 1/2" and 10mm, 1 per pack above 1/2" and 10mm.

# Hi-Carbon Steel Taps and Dies

Price List

## Hi-Carbon Steel Fractional

### Hi-Carbon Steel Taps

Type 761 Bottoming- Machine Screw

Type 760 Bottoming - Fractional

| Type 761 - Bottoming - Machine Screw |         |        |
|--------------------------------------|---------|--------|
| Part No.                             | Size    | Price  |
| 54930                                | 0 X 80  | \$5.13 |
| 54940                                | 1 X 64  | \$4.87 |
| 54950                                | 1 X 72  | \$4.87 |
| 54960                                | 2 X 56  | \$4.59 |
| 54970                                | 2 X 64  | \$4.59 |
| 54980                                | 3 X 48  | \$4.59 |
| 54990                                | 3 X 56  | \$4.59 |
| 56100                                | 4 X 36  | \$2.32 |
| 56110                                | 4 X 40  | \$2.32 |
| 56120                                | 5 X 40  | \$2.32 |
| 56130                                | 6 X 32  | \$2.44 |
| 56140                                | 6 X 40  | \$2.44 |
| 56150                                | 6 X 48  | \$2.44 |
| 56160                                | 8 X 32  | \$2.44 |
| 56170                                | 8 X 36  | \$2.44 |
| 56180                                | 8 X 40  | \$2.44 |
| 56190                                | 10 X 24 | \$2.61 |
| 56200                                | 10 X 32 | \$2.61 |
| 56210                                | 12 X 24 | \$2.67 |
| 56220                                | 12 X 28 | \$2.67 |
| 56230                                | 14 X 20 | \$2.98 |

| Carded   |        |        | Type 761 |         |        |
|----------|--------|--------|----------|---------|--------|
| Part No. | Size   | Price  | Part No. | Size    | Price  |
| 56107    | 4 X 36 | \$2.78 | 56177    | 8 X 36  | \$2.89 |
| 56117    | 4 X 40 | \$2.78 | 56187    | 8 X 40  | \$2.89 |
| 56127    | 5 X 40 | \$2.78 | 56197    | 10 X 24 | \$3.05 |
| 56137    | 6 X 32 | \$2.89 | 56207    | 10 X 32 | \$3.05 |
| 56147    | 6 X 40 | \$2.89 | 56217    | 12 X 24 | \$3.14 |
| 56157    | 6 X 48 | \$2.89 | 56227    | 12 X 28 | \$3.14 |
| 56167    | 8 X 32 | \$2.89 | 56237    | 14 X 20 | \$3.44 |

| Type 760 - Bottoming - Fractional |            |         |
|-----------------------------------|------------|---------|
| Part No.                          | Size       | Price   |
| 55500                             | 3/16 X 24  | \$2.61  |
| 55510                             | 3/16 X 32  | \$2.61  |
| 55520                             | 1/4 X 20   | \$2.61  |
| 55530                             | 1/4 X 28   | \$2.61  |
| 55540                             | 5/16 X 18  | \$3.42  |
| 55550                             | 5/16 X 24  | \$3.42  |
| 55560                             | 3/8 X 16   | \$4.22  |
| 55570                             | 3/8 X 24   | \$4.22  |
| 55580                             | 7/16 X 14  | \$4.59  |
| 55590                             | 7/16 X 20  | \$4.59  |
| 55600                             | 1/2 X 13   | \$5.21  |
| 55610                             | 1/2 X 20   | \$5.21  |
| 55620                             | 9/16 X 12  | \$7.55  |
| 55630                             | 9/16 X 18  | \$7.55  |
| 55640                             | 5/8 X 11   | \$9.01  |
| 56040                             | 5/8 X 18   | \$9.01  |
| 56050                             | 11/16 X 11 | \$11.69 |
| 56060                             | 11/16 X 16 | \$11.69 |
| 55650                             | 3/4 X 10   | \$11.86 |
| 56070                             | 3/4 X 16   | \$11.86 |
| 55660                             | 7/8 X 9    | \$15.68 |
| 55670                             | 7/8 X 14   | \$15.68 |
| 55680                             | 1 X 8      | \$19.43 |
| 55690                             | 1 X 12     | \$19.43 |
| 55700                             | 1 X 14     | \$19.43 |

| Carded   |         |        | Type 760 |         |        |
|----------|---------|--------|----------|---------|--------|
| Part No. | Size    | Price  | Part No. | Size    | Price  |
| 55507    | 3/16X24 | \$3.24 | 55567    | 3/8X16  | \$4.88 |
| 55517    | 3/16X32 | \$3.24 | 55577    | 3/8X24  | \$4.88 |
| 55527    | 1/4X20  | \$3.24 | 55587    | 7/16X14 | \$5.22 |
| 55537    | 1/4X28  | \$3.24 | 55597    | 7/16X20 | \$5.22 |
| 55547    | 5/16X18 | \$4.03 | 55607    | 1/2X13  | \$5.85 |
| 55557    | 5/16X24 | \$4.03 | 55617    | 1/2X20  | \$5.85 |

### Hi-Carbon Steel Taps

Type 723

Machine Screw 3 pcs.(Sets)

(Includes 1 each: Taper, Plug, & Bottoming)

Type 722

Fractional 3 pcs. (Sets)

(Includes 1 each: Taper, Plug, & Bottoming)

| Type 723 - 3 piece SET                      |         |        |
|---------------------------------------------|---------|--------|
| (Includes 1 each: Taper, Plug, & Bottoming) |         |        |
| Part No.                                    | Size    | Price  |
| 56600                                       | 4 X 36  | \$6.96 |
| 56610                                       | 4 X 40  | \$6.96 |
| 56620                                       | 5 X 40  | \$6.96 |
| 56630                                       | 6 X 32  | \$7.13 |
| 56640                                       | 6 X 40  | \$7.13 |
| 56650                                       | 6 X 48  | \$7.13 |
| 56660                                       | 8 X 32  | \$7.39 |
| 56670                                       | 8 X 36  | \$7.39 |
| 56680                                       | 8 X 40  | \$7.39 |
| 56690                                       | 10 X 24 | \$7.86 |
| 56700                                       | 10 X 32 | \$7.86 |
| 56710                                       | 12 X 24 | \$8.18 |
| 56720                                       | 12 X 28 | \$8.18 |
| 56730                                       | 14 X 20 | \$8.93 |

| Type 722 - 3 piece SET                      |            |         |
|---------------------------------------------|------------|---------|
| (Includes 1 each: Taper, Plug, & Bottoming) |            |         |
| Part No.                                    | Size       | Price   |
| 56300                                       | 3/16 X 24  | \$7.86  |
| 56310                                       | 3/16 X 32  | \$7.86  |
| 56320                                       | 1/4 X 20   | \$7.86  |
| 56330                                       | 1/4 X 28   | \$7.86  |
| 56340                                       | 5/16 X 18  | \$10.57 |
| 56350                                       | 5/16 X 24  | \$10.57 |
| 56360                                       | 3/8 X 16   | \$13.24 |
| 56370                                       | 3/8 X 24   | \$13.24 |
| 56380                                       | 7/16 X 14  | \$14.39 |
| 56390                                       | 7/16 X 20  | \$14.39 |
| 56400                                       | 1/2 X 13   | \$16.83 |
| 56410                                       | 1/2 X 20   | \$16.83 |
| 56420                                       | 9/16 X 12  | \$22.68 |
| 56430                                       | 9/16 X 18  | \$22.68 |
| 56440                                       | 5/8 X 11   | \$27.19 |
| 56590                                       | 5/8 X 18   | \$27.19 |
| 56740                                       | 11/16 X 11 | \$35.25 |
| 56750                                       | 11/16 X 16 | \$35.25 |
| 56450                                       | 3/4 X 10   | \$35.58 |
| 56760                                       | 3/4 X 16   | \$35.58 |
| 56460                                       | 7/8 X 9    | \$47.05 |
| 56470                                       | 7/8 X 14   | \$47.05 |
| 56480                                       | 1 X 8      | \$58.20 |
| 56490                                       | 1 X 12     | \$58.20 |
| 56500                                       | 1 X 14     | \$58.20 |

Taps are packaged 3 per pack thru 1/2" and 1 per pack above 1/2".

Dies are packaged 3 per pack thru 1/2" and 12mm, 1 per pack above 1/2" and 12mm.

Proudly Manufactured in the U.S.A.

### Hi-Carbon Steel Dies

Types 405 Machine

Screw & Fractional

Sizes Hex Dies

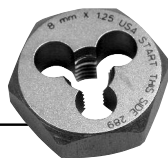
These dies are made of high quality carbon tool steel and meet the highest industry specifications.



| Part No. | Size       | Price   |
|----------|------------|---------|
| 86000    | 4 X 40     | \$4.08  |
| 86010    | 4 X 36     | \$4.08  |
| 86020    | 5 X 40     | \$4.08  |
| 86030    | 6 X 32     | \$4.08  |
| 86040    | 8 X 32     | \$4.08  |
| 86050    | 10 X 24    | \$4.08  |
| 86060    | 10 X 32    | \$4.08  |
| 86070    | 12 X 24    | \$4.08  |
| 86080    | 14 X 20    | \$4.08  |
| 86100    | 3/16 X 24  | \$4.08  |
| 86110    | 3/16 X 32  | \$4.08  |
| 86120    | 1/4 X 20   | \$4.08  |
| 86130    | 1/4 X 28   | \$4.08  |
| 86140    | 5/16 X 18  | \$4.08  |
| 86150    | 5/16 X 24  | \$4.08  |
| 86160    | 3/8 X 16   | \$4.08  |
| 86170    | 3/8 X 24   | \$4.08  |
| 86180    | 7/16 X 14  | \$4.08  |
| 86190    | 7/16 X 20  | \$4.08  |
| 86200    | 1/2 X 13   | \$4.08  |
| 86210    | 1/2 X 20   | \$4.08  |
| 86220    | 9/16 X 12  | \$10.57 |
| 86230    | 9/16 X 18  | \$10.57 |
| 86240    | 5/8 X 11   | \$10.57 |
| 86250    | 5/8 X 18   | \$10.57 |
| 86260    | 11/16 X 11 | \$10.57 |
| 86270    | 11/16 X 16 | \$10.57 |
| 86280    | 3/4 X 10   | \$10.57 |
| 86290    | 3/4 X 16   | \$10.57 |
| 86300    | 7/8 X 9    | \$21.36 |
| 86310    | 7/8 X 14   | \$21.36 |
| 86320    | 1 X 8      | \$23.88 |
| 86330    | 1 X 12     | \$23.88 |
| 86340    | 1 X 14     | \$23.88 |
| 86350    | 1/8 X 27   | \$4.08  |
| 86360    | 1/4 X 18   | \$4.08  |
| 86380    | 3/8x18     | \$8.10  |
| 86390    | 1/2x14     | \$9.70  |
| 86420    | 3/4x14     | \$14.59 |
| 86430    | 1          | \$21.60 |

| Carded   |           |        | Type 405 |           |        |
|----------|-----------|--------|----------|-----------|--------|
| Part No. | Size      | Price  | Part No. | Size      | Price  |
| 86017    | 4 X 36    | \$4.44 | 86007    | 4 X 40    | \$4.44 |
| 86027    | 5 X 40    | \$4.44 | 86037    | 6 X 32    | \$4.44 |
| 86037    | 6 X 32    | \$4.44 | 86047    | 8 X 32    | \$4.44 |
| 86047    | 8 X 32    | \$4.44 | 86057    | 10 X 24   | \$4.44 |
| 86057    | 10 X 24   | \$4.44 | 86067    | 10 X 32   | \$4.44 |
| 86067    | 10 X 32   | \$4.44 | 86077    | 12 X 24   | \$4.44 |
| 86077    | 12 X 24   | \$4.44 | 86087    | 14 X 20   | \$4.44 |
| 86087    | 14 X 20   | \$4.44 | 86107    | 3/16 X 24 | \$4.44 |
| 86107    | 3/16 X 24 | \$4.44 | 86117    | 3/16 X 32 | \$4.44 |
| 86117    | 3/16 X 32 | \$4.44 | 86127    | 1/4 X 20  | \$4.44 |
| 86127    | 1/4 X 20  | \$4.44 | 86137    | 1/4 X 28  | \$4.44 |
| 86137    | 1/4 X 28  | \$4.44 | 86147    | 5/16 X 18 | \$4.44 |
| 86147    | 5/16 X 18 | \$4.44 | 86157    | 5/16 X 24 | \$4.44 |
| 86157    | 5/16 X 24 | \$4.44 | 86167    | 3/8 X 16  | \$4.44 |
| 86167    | 3/8 X 16  | \$4.44 | 86177    | 3/8 X 24  | \$4.44 |
| 86177    | 3/8 X 24  | \$4.44 | 86187    | 7/16 X 14 | \$4.44 |
| 86187    | 7/16 X 14 | \$4.44 | 86197    | 7/16 X 20 | \$4.44 |
| 86197    | 7/16 X 20 | \$4.44 | 86207    | 1/2 X 13  | \$4.44 |
| 86207    | 1/2 X 13  | \$4.44 | 86217    | 1/2 X 20  | \$4.44 |
| 86217    | 1/2 X 20  | \$4.44 | 86357    | 1/8 X 27  | \$4.44 |
| 86357    | 1/8 X 27  | \$4.44 | 86367    | 1/4 X 18  | \$4.44 |
| 86367    | 1/4 X 18  | \$4.44 |          |           |        |

### Hi-Carbon Steel Dies Type 790 Metric Sizes

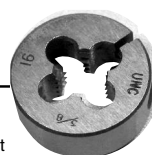


#### Hex Dies

| Part No. | Size      | Price   |
|----------|-----------|---------|
| 84000    | 3 X .50   | \$4.30  |
| 84010    | 3 X .60   | \$4.30  |
| 84020    | 4 X .70   | \$3.52  |
| 84030    | 4 X .75   | \$3.52  |
| 84040    | 5 X .80   | \$3.52  |
| 84050    | 5 X .90   | \$3.52  |
| 84060    | 6 X 1.00  | \$3.52  |
| 84070    | 7 X 1.00  | \$3.77  |
| 84270    | 8 X 1.00  | \$3.77  |
| 84080    | 8 X 1.25  | \$3.77  |
| 84090    | 9 X 1.00  | \$3.77  |
| 84100    | 9 X 1.25  | \$3.77  |
| 84110    | 10 X 1.00 | \$3.77  |
| 84120    | 10 X 1.25 | \$3.77  |
| 84130    | 10 X 1.50 | \$3.77  |
| 84140    | 11 X 1.50 | \$3.77  |
| 84280    | 12 X 1.25 | \$3.77  |
| 84150    | 12 X 1.50 | \$3.77  |
| 84160    | 12 X 1.75 | \$3.77  |
| 84170    | 14 X 1.25 | \$10.01 |
| 84290    | 14 X 1.50 | \$10.01 |
| 84180    | 14 X 2.00 | \$10.01 |
| 84190    | 16 X 1.50 | \$10.01 |
| 84200    | 16 X 2.00 | \$10.01 |
| 84210    | 18 X 1.50 | \$10.01 |
| 84300    | 18 X 2.00 | \$10.01 |
| 84220    | 18 X 2.50 | \$10.01 |

| Carded   | Type 790  |        |
|----------|-----------|--------|
| Part No. | Size      | Price  |
| 84007    | 3 X .50   | \$4.14 |
| 84017    | 3 X .60   | \$4.14 |
| 84027    | 4 X .70   | \$4.14 |
| 84037    | 4 X .75   | \$4.14 |
| 84047    | 5 X .80   | \$4.14 |
| 84057    | 5 X .90   | \$4.14 |
| 84067    | 6 X 1.00  | \$4.14 |
| 84077    | 7 X 1.00  | \$4.41 |
| 84277    | 8 X 1.00  | \$4.41 |
| 84087    | 8 X 1.25  | \$4.41 |
| 84097    | 9 X 1.00  | \$4.41 |
| 84107    | 9 X 1.25  | \$4.41 |
| 84117    | 10 X 1.00 | \$4.41 |
| 84127    | 10 X 1.25 | \$4.41 |
| 84137    | 10 X 1.50 | \$4.41 |
| 84147    | 11 X 1.50 | \$4.41 |
| 84287    | 12 X 1.25 | \$4.41 |
| 84157    | 12 X 1.50 | \$4.41 |
| 84167    | 12 X 1.75 | \$4.41 |

### Hi-Carbon Steel Dies Types 415 Machine Screw & Fractional Sizes



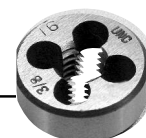
#### Round - Adjustable

These dies are made of high quality carbon tool steel and meet the highest industry specifications.

| Part No. | Size       | Price   |
|----------|------------|---------|
| 85000    | 0 X 80     | \$11.45 |
| 85010    | 1 X 64     | \$11.45 |
| 85020    | 1 X 72     | \$11.45 |
| 85030    | 2 X 56     | \$11.45 |
| 85040    | 2 X 64     | \$11.45 |
| 85050    | 3 X 48     | \$11.45 |
| 85060    | 3 X 56     | \$11.45 |
| 85070    | 4 X 40     | \$8.12  |
| 85080    | 4 X 36     | \$8.12  |
| 85090    | 5 X 40     | \$8.12  |
| 85100    | 6 X 32     | \$8.12  |
| 85110    | 8 X 32     | \$8.12  |
| 85120    | 10 X 24    | \$8.12  |
| 85130    | 10 X 32    | \$8.12  |
| 85140    | 12 X 24    | \$8.12  |
| 85150    | 14 X 20    | \$8.12  |
| 85170    | 3/16 X 24  | \$8.12  |
| 85180    | 3/16 X 32  | \$8.12  |
| 85190    | 1/4 X 20   | \$8.12  |
| 85200    | 1/4 X 28   | \$8.12  |
| 85210    | 5/16 X 18  | \$8.12  |
| 85220    | 5/16 X 24  | \$8.12  |
| 85230    | 3/8 X 16   | \$8.12  |
| 85240    | 3/8 X 24   | \$8.12  |
| 85250    | 7/16 X 14  | \$8.12  |
| 85260    | 7/16 X 20  | \$8.12  |
| 85270    | 1/2 X 13   | \$8.12  |
| 85280    | 1/2 X 20   | \$8.12  |
| 85290    | 9/16 X 12  | \$12.61 |
| 85300    | 9/16 X 18  | \$12.61 |
| 85310    | 5/8 X 11   | \$12.61 |
| 85320    | 5/8 X 18   | \$12.61 |
| 85330    | 11/16 X 11 | \$21.22 |
| 85340    | 11/16 X 16 | \$21.22 |
| 85350    | 3/4 X 10   | \$21.22 |
| 85360    | 3/4 X 16   | \$21.22 |
| 85370    | 7/8 X 9    | \$21.22 |
| 85380    | 7/8 X 14   | \$21.22 |
| 85390    | 1 X 8      | \$21.22 |
| 85400    | 1 X 12     | \$21.22 |
| 85410    | 1 X 14     | \$21.22 |
| 85420    | 1/8 X 27   | \$8.12  |
| 85430    | 1/4 X 18   | \$8.12  |
| 85440    | 3/8 X 18   | \$12.61 |
| 85450    | 1/2 X 14   | \$12.61 |

| Carded   |         |        | Type 415 |         |        |
|----------|---------|--------|----------|---------|--------|
| Part No. | Size    | Price  | Part No. | Size    | Price  |
| 85077    | 4X40    | \$8.46 | 85197    | 1/4X20  | \$8.46 |
| 85087    | 4X36    | \$8.46 | 85207    | 1/4X28  | \$8.46 |
| 85097    | 5X40    | \$8.46 | 85217    | 5/16X18 | \$8.46 |
| 85107    | 6X32    | \$8.46 | 85227    | 5/16X24 | \$8.46 |
| 85117    | 8X32    | \$8.46 | 85237    | 3/8X16  | \$8.46 |
| 85127    | 10X24   | \$8.46 | 85247    | 3/8X24  | \$8.46 |
| 85137    | 10X32   | \$8.46 | 85257    | 7/16X14 | \$8.46 |
| 85147    | 12X24   | \$8.46 | 85267    | 7/16X20 | \$8.46 |
| 85157    | 14X20   | \$8.46 | 85277    | 1/2X13  | \$8.46 |
| 85177    | 3/16X24 | \$8.46 | 85287    | 1/2X20  | \$8.46 |
| 85187    | 3/16X32 | \$8.46 | 85427    | 1/8X27  | \$8.46 |
|          |         |        | 85437    | 1/4X18  | \$8.46 |

### Hi-Carbon Steel Dies Type 400 Machine Screw & Fractional Sizes



#### Solid Round Die

| Part No. | Size            | Price  |
|----------|-----------------|--------|
| 53600    | 4 X 36          | \$3.59 |
| 53610    | 4 X 40          | \$3.59 |
| 53620    | 5 X 40          | \$3.59 |
| 53630    | 6 X 32          | \$3.59 |
| 53640    | 8 X 32          | \$3.59 |
| 53650    | 10 X 24         | \$3.59 |
| 53660    | 10 X 32         | \$3.59 |
| 53670    | 12 X 24         | \$3.59 |
| 53680    | 14 X 20         | \$3.59 |
| 53690    | 3/16 X 24       | \$3.59 |
| 53700    | 3/16 X 32       | \$3.59 |
| 53710    | 1/4 X 20        | \$3.59 |
| 53720    | 1/4 X 28        | \$3.59 |
| 53730    | 5/16 X 18       | \$3.59 |
| 53820    | 5/16 X 24       | \$3.59 |
| 53740    | 3/8 X 16        | \$3.59 |
| 53750    | 3/8 X 24        | \$3.59 |
| 53760    | 7/16 X 14       | \$3.59 |
| 53830    | 7/16 X 20       | \$3.59 |
| 53770    | 1/2 X 13        | \$3.59 |
| 53780    | 1/2 X 20        | \$3.59 |
| 53790    | 1/2 X 24        | \$3.59 |
| 53800    | 1/8 X 27 (PIPE) | \$3.59 |
| 53810    | 1/4 X 18 (PIPE) | \$3.59 |

| Carded   |         |        | Type 400 |         |        |
|----------|---------|--------|----------|---------|--------|
| Part No. | Size    | Price  | Part No. | Size    | Price  |
| 53607    | 4X36    | \$3.95 | 53717    | 1/4X20  | \$3.95 |
| 53617    | 4X40    | \$3.95 | 53727    | 1/4X28  | \$3.95 |
| 53627    | 5X40    | \$3.95 | 53737    | 5/16X18 | \$3.95 |
| 53637    | 6X32    | \$3.95 | 53827    | 5/16X24 | \$3.95 |
| 53647    | 8X32    | \$3.95 | 53747    | 3/8X16  | \$3.95 |
| 53657    | 10X24   | \$3.95 | 53757    | 3/8X24  | \$3.95 |
| 53667    | 10X32   | \$3.95 | 53767    | 7/16X14 | \$3.95 |
| 53677    | 12X24   | \$3.95 | 53837    | 7/16X20 | \$3.95 |
| 53687    | 14X20   | \$3.95 | 53777    | 1/2X13  | \$3.95 |
| 53697    | 3/16X24 | \$3.95 | 53787    | 1/2X20  | \$3.95 |
| 53707    | 3/16X32 | \$3.95 | 53797    | 1/2X24  | \$3.95 |
| 53817    | 1/4X18  | \$3.95 | 53807    | 1/8X27  | \$3.95 |

Proudly Manufactured in the U.S.A.  
Order : 1-800-328-4655

# Hi-Carbon Pipe Taps, Hi-Carbon Metric Tap Wrenches & Gauges, Tap & Die Sets

## Magnum Super Premium, Hi-Carbon Steel

### Hi-Carbon Metric Taps Type 780 Metric Plug

#### Hi-Carbon Steel Taps

All popular sizes offered for foreign car, motorcycle and machinery threading needs. Made of tough carbon steel to exacting specifications.



| Part No. | Size      | Price   |
|----------|-----------|---------|
| 83010    | 3 X .50   | \$3.02  |
| 83020    | 3 X .60   | \$3.02  |
| 83030    | 4 X .70   | \$2.86  |
| 83040    | 4 X .75   | \$2.86  |
| 83050    | 5 X .80   | \$2.73  |
| 83060    | 5 X .90   | \$2.73  |
| 83070    | 6 X 1.00  | \$3.29  |
| 83080    | 7 X 1.00  | \$3.48  |
| 84230    | 8 X 1.00  | \$3.65  |
| 83090    | 8 X 1.25  | \$3.65  |
| 83100    | 9 X 1.00  | \$4.49  |
| 83110    | 9 X 1.25  | \$4.49  |
| 56800    | 10 X 1.00 | \$5.07  |
| 83130    | 10 X 1.25 | \$5.07  |
| 83140    | 10 X 1.50 | \$5.07  |
| 83150    | 11 X 1.50 | \$5.23  |
| 84240    | 12 X 1.25 | \$6.16  |
| 83160    | 12 X 1.50 | \$6.16  |
| 83170    | 12 X 1.75 | \$6.16  |
| 56810    | 14 X 1.25 | \$8.22  |
| 84250    | 14 X 1.50 | \$8.22  |
| 83190    | 14 X 2.00 | \$8.22  |
| 83200    | 16 X 1.50 | \$9.89  |
| 83210    | 16 X 2.00 | \$9.89  |
| 56820    | 18 X 1.50 | \$12.30 |
| 84260    | 18 X 2.00 | \$12.30 |
| 83230    | 18 X 2.50 | \$12.30 |

#### Carded

#### Type 780

| Part No. | Size   | Price  | Part No. | Size    | Price  |
|----------|--------|--------|----------|---------|--------|
| 83017    | 3X.50  | \$3.66 | 83107    | 9X1.00  | \$5.13 |
| 83027    | 3X.60  | \$3.66 | 83117    | 9X1.25  | \$5.13 |
| 83037    | 4X.70  | \$3.49 | 56807    | 10X1.00 | \$5.69 |
| 83047    | 4X.75  | \$3.49 | 83137    | 10X1.25 | \$5.69 |
| 83057    | 5X.80  | \$3.37 | 83147    | 10X1.50 | \$5.69 |
| 83067    | 5X.90  | \$3.37 | 83157    | 11X1.50 | \$5.87 |
| 83077    | 6X1.00 | \$3.93 | 84247    | 12X1.25 | \$6.78 |
| 83087    | 7X1.00 | \$4.12 | 83167    | 12X1.50 | \$6.78 |
| 84237    | 8X1.00 | \$4.29 | 83177    | 12X1.75 | \$6.78 |
| 83097    | 8X1.25 | \$4.29 |          |         |        |

### Hi-Carbon Steel Pipe Taps Type 410



#### Fractional

| Part No. | Size   | Price    |
|----------|--------|----------|
| 56910    | 1/8    | \$5.58   |
| 56920    | 1/4    | \$7.24   |
| 56930    | 3/8    | \$9.05   |
| 56940    | 1/2    | \$19.13  |
| 56950    | 3/4    | \$20.41  |
| 56960    | 1-INCH | \$35.98  |
| 56970    | 1-1/4  | \$57.20  |
| 56980    | 1-1/2  | \$77.25  |
| 56990    | 2-INCH | \$150.81 |

#### Carded

#### Type 410

| Part No. | Size | Price  |
|----------|------|--------|
| 56917    | 1/8  | \$6.21 |
| 56927    | 1/4  | \$7.87 |

Packaged 3 each 1/8 and 1/4, 1 each 3/8 thru 2".

### Tap & Reamer Wrenches, Die Stock & Screw Pitch Gauges Types 725, 726, 727 & 727R

#### Tap & Reamer Wrench Professional Quality



#### Type 725

| Part No. | Size      | Price   |
|----------|-----------|---------|
| 50347    | 4MS - 1/2 | \$16.31 |
| 50350    | 1/4 - 3/4 | \$31.35 |
| 50360    | LG- WRN   | \$86.72 |

#### Tap & Reamer Wrench - Economy



#### Type 726

| Part No. | Size      | Price   |
|----------|-----------|---------|
| 50337    | Up to 1/2 | \$14.01 |

NEW

### Ratching T-Handle Tap Wrenches



#### Type 727R

| Part No. | Size      | Price   |
|----------|-----------|---------|
| 50190    | 0 - 1/4   | \$13.39 |
| 50200    | 1/4 - 1/2 | \$18.75 |

### T-Handle Tap Wrenches



#### Type 727

| Part No. | Size                 | Price   |
|----------|----------------------|---------|
| 50307    | 0-1/4                | \$9.45  |
| 50310    | 3/16-1/2             | \$14.01 |
| 50320    | 3/16-1/2 - 3/8 SQ-DR | \$15.87 |

### Types 728, 729, 730

#### Die Stock - Economy Solid



#### Type 728

| Part No. | Size            | Price  |
|----------|-----------------|--------|
| 50377    | 1" round or hex | \$8.60 |

#### Die Stock - Professional Quality



#### Type 729

| Part No. | Size               | Price   |
|----------|--------------------|---------|
| 50390    | MED-R/H            | \$31.90 |
| 50400    | 1-7/8-H            | \$51.69 |
| 50387    | 1 IN - Round / Hex | \$20.50 |



### Screw Pitch Gauges

#### Type 730

| Part No. | Size                  | Price  |
|----------|-----------------------|--------|
| 50417    | US- 9-40 U.S.         | \$8.07 |
| 50427    | METRIC- 0.45 - 2.5 MM | \$8.07 |

### Hi-Carbon Steel Tap & Die Assortments and Displays

#### Magnum Super Premium

#### Super Premium Large Tap & Die Set 58pc. Straight Flute Taps & Hex Dies



| Part No. | Size     | Price    |
|----------|----------|----------|
| 61680    | SF 58TDI | \$987.00 |

#### Super Premium Tap & Die Set

#### 40pc. Straight Flute Taps & Hex Dies

| Part No. | Size     | Price    |
|----------|----------|----------|
| 35171    | SF 40TDI | \$490.92 |

#### Super Premium Tap & Die Set

#### 40pc. Spiral Point Taps & Hex Dies



| Part No. | Size     | Price    |
|----------|----------|----------|
| 35181    | SP 40TDI | \$503.82 |

#### Super Premium Tap & Die Set

#### 25pc. Spiral Point Taps & Hex Dies



| Part No. | Size     | Price    |
|----------|----------|----------|
| 35173    | SP 25TDI | \$376.25 |

Continued on page 44

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Order : 1-800-328-4655

### Tap & Die Assortments and Displays (continued)

Magnum Super Premium  
Super Premium Tap & Die Set - **Metric**  
23 pc. Spiral Point Taps & Hex Dies

| Part No. | Size    | Price    |
|----------|---------|----------|
| 35170    | SP23TDI | \$376.25 |

Super Premium Tap & Die Set -  
15 pc. Spiral Point Taps & Hex Dies

| Part No. | Size    | Price    |
|----------|---------|----------|
| 35174    | SP15TDI | \$145.59 |

Super Premium Tap & Die Set - **Metric**  
14 pc. Spiral Point Taps & Hex Dies

| Part No. | Size    | Price    |
|----------|---------|----------|
| 35172    | SP14TDI | \$179.10 |

### Carbon Steel Tap & Die Sets

Type 724  
Professional Quality

Part #50090



14pc. Set Stock #HNC14PC

Fractional NC - With Hex Dies

| Part No. | Size    | Price   |
|----------|---------|---------|
| 50090    | HNC14PC | \$88.26 |

14pc. Set Stock #HNF14PC

Fractional NF - With Hex Dies

| Part No. | Size    | Price   |
|----------|---------|---------|
| 50080    | HNF14PC | \$88.26 |

14pc. Set Stock #RNC14PC

Fractional NC - With Round Dies

| Part No. | Size    | Price   |
|----------|---------|---------|
| 50030    | RNC14PC | \$85.03 |

14pc. Set Stock #RNF14PC

Fractional NF - With Round Dies

| Part No. | Size    | Price   |
|----------|---------|---------|
| 50020    | RNF14PC | \$85.03 |

16pc. Set Stock #HMM16PC

Metric - With Hex Dies

| Part No. | Size    | Price   |
|----------|---------|---------|
| 50140    | HMM16PC | \$88.90 |

16pc. Set Stock #HEX16PC

Fractional NC - With Hex Dies

| Part No. | Size    | Price   |
|----------|---------|---------|
| 50100    | HEX16PC | \$83.76 |

16pc. Set Stock #RND16PC

Fractional NC - With Round Dies

| Part No. | Size    | Price   |
|----------|---------|---------|
| 50040    | RND16PC | \$79.25 |

24pc. Set Stock #HEX24PC

Fractional Combination NC, NF - With Hex Dies

| Part No. | Size    | Price    |
|----------|---------|----------|
| 50110    | HEX24PC | \$148.18 |

24pc. Set Stock #RND24PC

Fractional Combination NC, NF - With Round Dies

| Part No. | Size    | Price    |
|----------|---------|----------|
| 50050    | RND24PC | \$140.45 |

37pc. Set Stock #RND37PC

Machine Screw & Fractional NC, NF - With Rnd Dies

| Part No. | Size    | Price    |
|----------|---------|----------|
| 50060    | RND37PC | \$185.54 |

37pc. Set Stock #HMM37PC

Master & Metric - With Hex Dies

| Part No. | Size    | Price    |
|----------|---------|----------|
| 50150    | HMM37PC | \$193.29 |

37pc. Set Stock #HEX37PC

Machine Screw & Fractional NC-NF - With Hex Dies

| Part No. | Size    | Price    |
|----------|---------|----------|
| 50120    | HEX37PC | \$199.07 |

40pc. MASTER MECHANIC SET

Stock #RND40PC

Machine Screw & Fractional NC-NF - With Rnd Dies

| Part No. | Size    | Price    |
|----------|---------|----------|
| 50070    | RND40PC | \$220.34 |

40pc. MASTER MECHANIC SET

Stock #HEX40PC

Machine Screw & Fractional NC-NF - With Hex Dies

| Part No. | Size    | Price    |
|----------|---------|----------|
| 50130    | HEX40PC | \$231.94 |

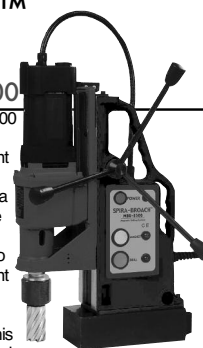
### Spira-Broach™

Magnetic Drill Presses

MBD 6500 & 7000

The Spira-Broach™ MBD 6500 and MBD 7000 are the ideal low cost portable drills for plant maintenance and steel erection. The MBD 6500 drill has a variable speed control, Morse Taper which allows for quick conversion to twist drilling, two gear ranges, and a convenient carrying case.

The MBD 7000 includes all this and a reversible motor for tapping.



MBD 6500/7000

| Part No.            | Description/ Size | Price      |
|---------------------|-------------------|------------|
| 17920               | MBD6500           | \$2,540.66 |
| 17930               | MBD7000           | \$2,685.16 |
| w/ reversible motor |                   |            |

### Magnetic Drill Presses

MBD 5500

The Spira-Broach™ MBD 5500 is an extremely light, yet powerful magnetic drill featuring the **Kwik-Lok Arbor**.

These attributes give the operator the tremendous ability to cut large diameter holes up to 1-3/8" with a minimum amount of effort and time.

#### Features:

Integral Arbor Support For Added Rigidity New super-safe panel which includes:

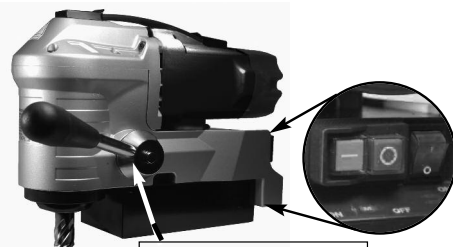
- Visual indication of status, solid state electronics.
- Time delay
- 1-3/8 inch broaching capacity
- Lubrication reservoir
- Ultimate in versatility just 22 lbs.
- Complete with moulded carrying case

MBD 5500

| Part No. | Description/ Size     | Price      |
|----------|-----------------------|------------|
| 12850    | MBD5500               | \$1,868.53 |
| 12860    | Drill Chuck (5500-DC) | \$82.28    |

### Low Profile Magnetic Drill Press MBD 4500

- Low height for confined spaces
- Accepts standard 3/4" shank annular cutters
- Quick release chuck
- 1-3/8" cutter capacity
- RPM load 390
- Weight 25 pounds
- Horsepower 1.5



• Removable handle can be used on either side

| Part No. | Description/ Size | Price      |
|----------|-------------------|------------|
| 12400    | MBD 4500          | \$1,465.40 |

Proudly Manufactured in the U.S.A.

Order : 1-800-328-4655

## Ultra High Performance, Gold Finish

### Spira-Broach™ Annular Cutters

#### Types 15

#### M42 Gold Finish Super Cobalt Steel

Molybdenum-chromium vanadium tungsten with 8% cobalt superior red hot hardness compared to conventional high speed steel. M42 longest tool life in the most difficult applications



| 1" Cut Depth |         |          |
|--------------|---------|----------|
| Part No.     | Size    | Price    |
| 14351        | 7/16    | \$64.06  |
| 14391        | 1/2     | \$67.37  |
| 14431        | 9/16    | \$77.32  |
| 14471        | 5/8     | \$80.63  |
| 14511        | 11/16   | \$85.05  |
| 14551        | 3/4     | \$89.46  |
| 14591        | 13/16   | \$94.98  |
| 14631        | 7/8     | \$102.15 |
| 14671        | 15/16   | \$109.34 |
| 14711        | 1-INCH  | \$117.08 |
| 14751        | 1-1/16  | \$120.37 |
| 14791        | 1-1/8   | \$138.06 |
| 14831        | 1-3/16  | \$145.79 |
| 14871        | 1-1/4   | \$150.21 |
| 14911        | 1-5/16  | \$156.84 |
| 14951        | 1-3/8   | \$202.11 |
| 14991        | 1-7/16  | \$226.41 |
| 15031        | 1-1/2   | \$236.35 |
| 15051        | 1-9/16  | \$263.97 |
| 15071        | 1-5/8   | \$278.33 |
| 15091        | 1-11/16 | \$290.46 |
| 15111        | 1-3/4   | \$310.35 |
| 15131        | 1-13/16 | \$321.40 |
| 15151        | 1-7/8   | \$339.07 |
| 15171        | 1-15/16 | \$363.36 |
| 15191        | 2-INCH  | \$374.40 |
| 15211        | 2-1/16  | \$483.74 |
| 15231        | 2-1/8   | \$626.22 |
| 15251        | 2-3/16  | \$643.88 |
| 15271        | 2-1/4   | \$661.55 |
| 15281        | 2-5/16  | \$682.54 |
| 15291        | 2-3/8   | \$699.11 |

#### Pilot Pins for 1" Cut Depth

| Part No. | Size    | Price   |
|----------|---------|---------|
| 00902    | PP1/4X1 | \$6.82  |
| 13710    | PP7/16  | \$11.44 |

#### Pilot Pins 2" Cut Depth

| Part No. | Size    | Price   |
|----------|---------|---------|
| 00903    | PP1/4X2 | \$8.02  |
| 13720    | PP7/16  | \$11.44 |

### Spira-Broach™ Annular Cutters

#### Types 15L

#### M42 ASP Gold Finish Super Cobalt Steel



| 2" Cut Depth |         |          |
|--------------|---------|----------|
| Part No.     | Size    | Price    |
| 14352        | 7/16    | \$81.73  |
| 14392        | 1/2     | \$89.46  |
| 14432        | 9/16    | \$101.61 |
| 14472        | 5/8     | \$109.34 |
| 14512        | 11/16   | \$121.48 |
| 14552        | 3/4     | \$133.64 |
| 14592        | 13/16   | \$141.36 |
| 14632        | 7/8     | \$150.21 |
| 14672        | 15/16   | \$161.24 |
| 14712        | 1-INCH  | \$175.61 |
| 14752        | 1-1/16  | \$178.92 |
| 14792        | 1-1/8   | \$207.64 |
| 14832        | 1-3/16  | \$219.77 |
| 14872        | 1-1/4   | \$224.19 |
| 14912        | 1-5/16  | \$236.35 |
| 14952        | 1-3/8   | \$247.39 |
| 14992        | 1-7/16  | \$283.84 |
| 15032        | 1-1/2   | \$297.09 |
| 15052        | 1-9/16  | \$332.44 |
| 15072        | 1-5/8   | \$353.42 |
| 15092        | 1-11/16 | \$368.88 |
| 15112        | 1-3/4   | \$392.08 |
| 15132        | 1-13/16 | \$409.75 |
| 15152        | 1-7/8   | \$431.84 |
| 15172        | 1-15/16 | \$461.65 |
| 15192        | 2-INCH  | \$480.42 |
| 15212        | 2-1/16  | \$597.50 |
| 15232        | 2-1/8   | \$768.70 |
| 15252        | 2-3/16  | \$774.22 |
| 15272        | 2-1/4   | \$802.93 |
| 15282        | 2-5/16  | \$825.02 |
| 15292        | 2-3/8   | \$841.60 |

### Types 15 & 15L Sets

| Type 15  | SB-5 | 1" Length |
|----------|------|-----------|
| Part No. | Size | Price     |
| 15301    | 15   | \$527.09  |

| Type 15L | SB-5 | 2" Length |
|----------|------|-----------|
| Part No. | Size | Price     |
| 15302    | 15L  | \$745.76  |

#### Annular Cutters Displays

| Part No. | Size                  | Price      |
|----------|-----------------------|------------|
| 00943    | SB-20 15              | \$2,498.10 |
| 00939    | Display Only (SB-CAB) | \$365.60   |

### Spira-Broach™ Annular Cutters

#### Types 14

#### M35 Cobalt Cutters Gold Finish

This M35 Cobalt cutter will cut more accurate holes with longer tool life. Annular cutter only cuts material at the periphery of the hole, rather than converting the entire hole to shavings. As a result the energy required to drill the hole is less than that for a traditional twist drill.



| 1" Cut Depth |         |          |
|--------------|---------|----------|
| Part No.     | Size    | Price    |
| 16631        | 7/16    | \$44.21  |
| 16641        | 1/2     | \$44.21  |
| 16651        | 9/16    | \$46.50  |
| 16661        | 5/8     | \$50.81  |
| 16671        | 11/16   | \$53.27  |
| 16681        | 3/4     | \$57.89  |
| 16691        | 13/16   | \$60.16  |
| 16701        | 7/8     | \$64.52  |
| 16711        | 15/16   | \$69.49  |
| 16721        | 1-INCH  | \$74.34  |
| 16731        | 1-1/16  | \$77.88  |
| 16741        | 1-1/8   | \$85.47  |
| 16751        | 1-3/16  | \$88.06  |
| 16761        | 1-1/4   | \$103.01 |
| 16771        | 1-5/16  | \$121.90 |
| 16781        | 1-3/8   | \$137.03 |
| 16791        | 1-7/16  | \$150.11 |
| 16801        | 1-1/2   | \$154.60 |
| 16811        | 1-9/16  | \$164.37 |
| 16821        | 1-5/8   | \$168.57 |
| 16831        | 1-11/16 | \$180.46 |
| 16841        | 1-3/4   | \$199.59 |
| 16851        | 1-13/16 | \$210.79 |
| 16861        | 1-7/8   | \$223.16 |
| 16871        | 1-15/16 | \$235.59 |
| 16881        | 2-INCH  | \$248.66 |
| 16891        | 2-1/16  | \$296.46 |

### Spira-Broach™ Annular Cutters

#### Types 14L

#### M35 Cobalt Cutters Gold Finish



| 2" Cut Depth |        |          |
|--------------|--------|----------|
| Part No.     | Size   | Price    |
| 16632        | 7/16   | \$63.29  |
| 16642        | 1/2    | \$63.29  |
| 16652        | 9/16   | \$68.54  |
| 16662        | 5/8    | \$73.98  |
| 16672        | 11/16  | \$82.20  |
| 16682        | 3/4    | \$85.58  |
| 16692        | 13/16  | \$92.37  |
| 16702        | 7/8    | \$95.37  |
| 16712        | 15/16  | \$104.18 |
| 16722        | 1-INCH | \$109.64 |
| 16732        | 1-1/16 | \$112.39 |
| 16742        | 1-1/8  | \$124.14 |
| 16752        | 1-3/16 | \$134.38 |
| 16762        | 1-1/4  | \$143.01 |

Continued Type 14L on page 46

Annular Cutters are individually packaged.

### Spira-Broach™ Annular Cutters

#### Types 14L

M35 Cobalt Cutters Gold Finish



| 2" Cut Depth |           |          |
|--------------|-----------|----------|
| Part No.     | Size      | Price    |
| 16772        | 1-5/16    | \$155.51 |
| 16782        | 1-3/8     | \$168.96 |
| 16792        | 1-7/16    | \$177.81 |
| 16802        | 1-1/2     | \$191.97 |
| 16812        | 1-9/16    | \$204.91 |
| 16822        | 1-5/8     | \$218.31 |
| 16832        | 1-11/16   | \$225.19 |
| 16842        | 1-3/4     | \$259.48 |
| 16852        | 1-13/16   | \$268.67 |
| 16862        | 1-7/8     | \$291.29 |
| 16872        | 1-15/16   | \$304.57 |
| 16882        | 2-INCH    | \$328.47 |
| 16892        | 2-1/16    | \$376.21 |
| 00890        | PILOT PIN | \$16.51  |

#### Type 14 & 14L Sets

| Type 14  | SB-5 | 1" Length |
|----------|------|-----------|
| Part No. | Size | Price     |
| 16901    | 14   | \$335.20  |

| Type 14L | SB-5 | 2" Length |
|----------|------|-----------|
| Part No. | Size | Price     |
| 16902    | 14L  | \$484.00  |

| Annular Cutters Displays |                       |            |
|--------------------------|-----------------------|------------|
| Part No.                 | Size                  | Price      |
| 00944                    | SB-20HS 14            | \$1,685.86 |
| 00939                    | Display Only (SB-CAB) | \$365.60   |

### Spira-Broach™ Annular Cutters

#### Types 13SP

M2 High-Speed Steel Cutters

High-Speed (M2) Steel Annular Cutters offer versatility and economy in Mag based drilling. Application gold treated for maximum lubricity.



| 1" Cut Depth |         |          |
|--------------|---------|----------|
| Part No.     | Size    | Price    |
| 16311        | 7/16    | \$36.13  |
| 16321        | 1/2     | \$33.63  |
| 16331        | 9/16    | \$37.16  |
| 16341        | 5/8     | \$38.35  |
| 16351        | 11/16   | \$41.38  |
| 16361        | 3/4     | \$43.01  |
| 16371        | 13/16   | \$47.82  |
| 16381        | 7/8     | \$48.51  |
| 16391        | 15/16   | \$52.90  |
| 16401        | 1-INCH  | \$55.12  |
| 16411        | 1-1/16  | \$56.18  |
| 16421        | 1-1/8   | \$62.82  |
| 16431        | 1-3/16  | \$63.82  |
| 16441        | 1-1/4   | \$83.59  |
| 16451        | 1-5/16  | \$89.78  |
| 16461        | 1-3/8   | \$109.64 |
| 16471        | 1-7/16  | \$118.30 |
| 16481        | 1-1/2   | \$123.87 |
| 16491        | 1-9/16  | \$131.72 |
| 16501        | 1-5/8   | \$138.96 |
| 16511        | 1-11/16 | \$149.21 |
| 16521        | 1-3/4   | \$161.56 |
| 16531        | 1-13/16 | \$170.37 |
| 16541        | 1-7/8   | \$179.85 |
| 16551        | 1-15/16 | \$188.02 |
| 16561        | 2-INCH  | \$196.40 |
| 16571        | 2-1/16  | \$225.46 |
| 16581        | 2-1/8   | \$225.78 |
| 16591        | 2-3/16  | \$230.51 |
| 16601        | 2-1/4   | \$233.44 |
| 16611        | 2-5/16  | \$238.77 |
| 16621        | 2-3/8   | \$245.18 |

| Pilot Pins for Type 13 & 14 1" Depth |         |         |
|--------------------------------------|---------|---------|
| Part No.                             | Size    | Price   |
| 00902                                | PP1/4X1 | \$6.82  |
| 13710                                | PP7/16  | \$11.44 |

| Pilot Pins for Type 13 & 14 2" Depth |         |         |
|--------------------------------------|---------|---------|
| Part No.                             | Size    | Price   |
| 00903                                | PP1/4X2 | \$8.02  |
| 13720                                | PP7/16  | \$11.44 |

### Spira-Broach™ Annular Cutters

#### Types 13LSP

M2 High-Speed Steel Cutters



| 2" Cut Depth |         |          |
|--------------|---------|----------|
| Part No.     | Size    | Price    |
| 16312        | 7/16    | \$50.12  |
| 16322        | 1/2     | \$53.16  |
| 16332        | 9/16    | \$54.09  |
| 16342        | 5/8     | \$58.62  |
| 16352        | 11/16   | \$61.06  |
| 16362        | 3/4     | \$66.43  |
| 16372        | 13/16   | \$72.27  |
| 16382        | 7/8     | \$79.17  |
| 16392        | 15/16   | \$83.83  |
| 16402        | 1-INCH  | \$88.82  |
| 16412        | 1-1/16  | \$93.74  |
| 16422        | 1-1/8   | \$101.72 |
| 16432        | 1-3/16  | \$110.38 |
| 16442        | 1-1/4   | \$119.05 |
| 16452        | 1-5/16  | \$127.02 |
| 16462        | 1-3/8   | \$134.76 |
| 16472        | 1-7/16  | \$144.41 |
| 16482        | 1-1/2   | \$155.67 |
| 16492        | 1-9/16  | \$167.15 |
| 16502        | 1-5/8   | \$176.86 |
| 16512        | 1-11/16 | \$188.18 |
| 16522        | 1-3/4   | \$196.44 |
| 16532        | 1-13/16 | \$217.11 |
| 16542        | 1-7/8   | \$226.69 |
| 16552        | 1-15/16 | \$243.21 |
| 16562        | 2-INCH  | \$245.36 |
| 16572        | 2-1/16  | \$259.48 |
| 16582        | 2-1/8   | \$263.43 |
| 16592        | 2-3/16  | \$268.67 |
| 16602        | 2-1/4   | \$278.66 |
| 16612        | 2-5/16  | \$284.40 |
| 16622        | 2-3/8   | \$304.06 |

#### Types 13SP & 13LSP Sets

| Type 13SP | SB-5 | 1" Length |
|-----------|------|-----------|
| Part No.  | Size | Price     |
| 16624     | 13SP | \$293.95  |

| Type 13LSP | SB-5  | 2" Length |
|------------|-------|-----------|
| Part No.   | Size  | Price     |
| 16629      | 13LSP | \$436.02  |

| Annular Cutters Displays |                       |            |
|--------------------------|-----------------------|------------|
| Part No.                 | Size                  | Price      |
| 00949                    | SB-20SP 13SP          | \$1,530.71 |
| 00939                    | Display Only (SB-CAB) | \$365.60   |

Order : 1-800-328-4655

## Magnum, Hi-Carbon Steel, Gold Finish

### Left-Hand Heavy Duty Jobber Length Drills

#### Type 190-AL

##### Magnum Super Premium

- Special Hi-Molybdenum tool steel.
- 135° split point for fast penetration and accurate starting without center punch.
- Ideal for drilling broken studs.
- Need for screw and bolt extractor may be eliminated.
- Left hand spiral drill may loosen the bolt stud while drilling a hole for use of the screw and bolt extractor.

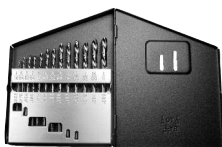


| Part No. | Size  | Price   |
|----------|-------|---------|
| 92430    | 1/16  | \$5.77  |
| 23150    | 5/64  | \$5.77  |
| 89290    | 3/32  | \$5.77  |
| 23160    | 7/64  | \$5.77  |
| 92440    | 1/8   | \$5.77  |
| 92441    | 9/64  | \$5.77  |
| 23170    | 5/32  | \$6.71  |
| 92442    | 11/64 | \$7.73  |
| 92450    | 3/16  | \$8.06  |
| 92443    | 13/64 | \$9.02  |
| 92444    | 7/32  | \$9.66  |
| 92451    | 15/64 | \$10.32 |
| 92460    | 1/4   | \$11.15 |
| 92452    | 17/64 | \$11.85 |
| 92453    | 9/32  | \$14.18 |
| 23180    | 19/64 | \$16.11 |
| 92470    | 5/16  | \$16.92 |
| 92471    | 21/64 | \$18.33 |
| 92472    | 11/32 | \$21.48 |
| 92473    | 23/64 | \$24.12 |
| 92480    | 3/8   | \$26.29 |
| 92481    | 25/64 | \$28.43 |
| 92482    | 13/32 | \$30.44 |
| 92483    | 27/64 | \$32.17 |
| 92490    | 7/16  | \$34.43 |
| 92491    | 29/64 | \$38.49 |
| 92492    | 15/32 | \$38.97 |
| 92493    | 31/64 | \$42.88 |
| 92500    | 1/2   | \$43.78 |

### Left-Hand Heavy Duty Jobber Length Drills

#### Type 190-AL Sets

##### Magnum Super Premium



| Part No. | Size             | Price    |
|----------|------------------|----------|
| 87650    | LF-8             | \$173.20 |
| 87651    | LF-12            | \$202.48 |
| 87652    | LF-13            | \$97.24  |
| 87654    | LF-15            | \$298.15 |
| 87853    | LF-17            | \$232.82 |
| 87854    | LF-29            | \$554.95 |
| 87859    | LF-29P Ultra Dex | \$557.16 |

Proudly Manufactured in the U.S.A.

### Bolt Extractors

#### Types 420 Spiral Style

##### Screw & Pipe Extractors

##### Hi-Carbon Steel

Remove broken screws, bolts, threaded parts and pipe. To remove the broken threaded part, drill a hole in the broken part, insert extractor and turn to the left. Broken piece is extracted with out damage to threads.



| Part No. | Size                | Price   |
|----------|---------------------|---------|
| 57100    | EX-1                | \$2.32  |
| 57110    | EX-2                | \$2.48  |
| 57120    | EX-3                | \$2.76  |
| 57130    | EX-4                | \$3.02  |
| 57140    | EX-5                | \$3.99  |
| 57150    | EX-6                | \$8.45  |
| 57160    | EX-7                | \$14.52 |
| 57170    | EX-8                | \$23.17 |
| 57180    | EX-9                | \$33.59 |
| 47170    | SE-4N (EX 1-4) SETS | \$12.73 |
| 47180    | SE-5N (EX 1-5) SETS | \$15.24 |

#### Carded Type 420 Screw & Pipe Extractors

| Part No. | Size | Price  |
|----------|------|--------|
| 57107    | EX-1 | \$2.89 |
| 57117    | EX-2 | \$3.01 |
| 57127    | EX-3 | \$3.29 |
| 57137    | EX-4 | \$3.59 |
| 57147    | EX-5 | \$4.55 |

### Bolt Extractor

#### Type 421-AG Square

##### Screw, Stud and Pipe Extractors

##### Studout™ Super Premium - Forged Hi-Carbon Steel

The square shape of these extractors gives the tools the ability to remove broken bolts, screws and pipes with minimum deformation of the broken part. They will not chew up or expand the object being removed.



| Part No. | Size | Price   |
|----------|------|---------|
| 70760    | E-1  | \$5.10  |
| 70770    | E-2  | \$5.10  |
| 70780    | E-3  | \$5.10  |
| 70800    | E-4  | \$5.38  |
| 70810    | E-5  | \$9.02  |
| 70820    | E-6  | \$12.25 |
| 70830    | E-7  | \$19.07 |
| 70860    | E-8  | \$23.84 |
| 70870    | E-9  | \$29.63 |

### Broken Bolt Remover Combo

#### Type 420-AL

Left hand drill combined with spiral style screw extractor is ideal for removing broken studs.

| Part No. | Size | Description of Sizes | Price   |
|----------|------|----------------------|---------|
| 30137    | EX-1 | #1 - 3/32 LH drill   | \$8.33  |
| 30147    | EX-2 | #2 - 1/8 LH drill    | \$8.48  |
| 30157    | EX-3 | #3 - 3/16 LH drill   | \$11.05 |
| 30167    | EX-4 | #4 - 1/4 LH drill    | \$14.49 |
| 30177    | EX-5 | #5 - 5/16 LH drill   | \$21.33 |

### Type 420-AG & 421-AG Sets

#### Bolt Remover Sets

A unique combination of left-hand spiral drills and bolt/screw extractors. Both BR sets provide these benefits:

- Fast and easy stud removal
- Left-hand spiral drills often eliminate the need for bolt and screw extractors.



| Type 420-AG & 190-AL |       | Spiral  |
|----------------------|-------|---------|
| Part No.             | Size  | Price   |
| 88550                | BR-8  | \$55.23 |
| 58510                | BR-10 | \$78.41 |

Type 421-AG uses square extractors. Four piece set handles same range as BR-10.

#### Type 421-AG & 190-AL Square

| Part No. | Size   | Price   |
|----------|--------|---------|
| 70840    | SQE-4  | \$20.64 |
| 70850    | BR-8SQ | \$82.42 |



## Hole Expansion Tools

## Type 50-AG

## Car Reamers - Standard Flute

Special Hi-Tungsten tool steel, gold surface treated body and clearance for maximum lubricity. For use only to enlarge previously formed or drilled holes. All tools are constructed with left-hand spiral and right-hand cut.



| Part No. | Size   | Price    |
|----------|--------|----------|
| 06390    | 3/8    | \$55.03  |
| 06400    | 1/2    | \$65.65  |
| 06410    | 9/16   | \$69.75  |
| 06420    | 5/8    | \$76.13  |
| 06430    | 11/16  | \$84.59  |
| 06440    | 3/4    | \$101.50 |
| 06450    | 13/16  | \$103.26 |
| 06460    | 7/8    | \$113.80 |
| 06470    | 15/16  | \$113.80 |
| 06480    | 1-INCH | \$134.94 |
| 06484    | 1-1/4  | \$211.56 |

## Set Car Reamer Standard Flute

| Part No. | Size               | Price    |
|----------|--------------------|----------|
| 12270    | CR-4SP             | \$315.69 |
|          | 3/8, 1/2, 5/8, 3/4 |          |

## Type 51-AG

## Car Reamers - Fast Spiral

Hole Buster™ - Super Premium  
3-Flats on Shank

Special Hi-Tungsten tool steel, gold surface treated body and clearance for maximum lubricity. For use only to enlarge previously formed or drilled holes. All tools are constructed with left-hand spiral and right-hand cut.



| Part No. | Size   | Price    |
|----------|--------|----------|
| 06381    | 5/16   | \$60.24  |
| 06391    | 3/8    | \$60.75  |
| 06501    | 7/16   | \$75.07  |
| 06401    | 1/2    | \$72.39  |
| 06531    | .776   | \$113.81 |
| 06411    | 9/16   | \$77.31  |
| 06421    | 5/8    | \$83.82  |
| 06432    | .652   | \$93.27  |
| 06431    | 11/16  | \$93.27  |
| 06441    | 3/4    | \$112.04 |
| 06451    | 13/16  | \$113.81 |
| 06461    | 7/8    | \$125.80 |
| 06471    | 15/16  | \$125.80 |
| 06481    | 1-INCH | \$148.49 |
| 06491    | 1-1/16 | \$145.40 |
| 06482    | 1-1/4  | \$233.16 |

## Set Fast Spiral 4pc. Reamer

| Part No. | Size                 | Price    |
|----------|----------------------|----------|
| 12271    | CR-4FS               | \$348.33 |
|          | 3/8, 1/2, 5/8, 3/4   |          |
| 12281    | SM-4FS               | \$287.78 |
|          | 5/16, 3/8, 7/16, 1/2 |          |

## Type 52-AG Bridge Length

## HSS Hex Drive Reamers

## Black &amp; Gold Finish Spiral Flute



| Part No. | Diameter Inches | Price    |
|----------|-----------------|----------|
| 20480    | 9/16            | \$84.61  |
| 20490    | 5/8             | \$95.91  |
| 20510    | 11/16           | \$128.29 |
| 20520    | 3/4             | \$145.97 |
| 20530    | 13/16           | \$145.97 |
| 20540    | 7/8             | \$165.87 |
| 20550    | 15/16           | \$165.86 |
| 20560    | 1-INCH          | \$186.86 |
| 20570    | 1-1/16          | \$205.06 |
| 20500    | 1-1/8           | \$210.86 |
| 20580    | 1-3/16          | \$255.74 |
| 20590    | 1-5/16          | \$324.56 |
| 21120    | 1-3/8           | \$374.42 |
| 21130    | 1-7/16          | \$389.21 |
| 21140    | 1-1/2           | \$441.67 |
| 21150    | 1-9/16          | \$530.45 |
| 21160    | 1-5/8           | \$611.44 |

## Type 53-AG Car Length

## HSS Hex Drive Reamers

## Black &amp; Gold Finish - Spiral Flute

| Part No. | Diameter Inches | Price    |
|----------|-----------------|----------|
| 35580    | 9/16            | \$80.20  |
| 35590    | 5/8             | \$87.53  |
| 35610    | 11/16           | \$105.01 |
| 35620    | 3/4             | \$125.86 |
| 35630    | 13/16           | \$125.86 |
| 35640    | 7/8             | \$142.39 |
| 35650    | 15/16           | \$142.39 |
| 35660    | 1-INCH          | \$167.56 |
| 35670    | 1-1/16          | \$186.45 |
| 35600    | 1-1/8           | \$175.49 |
| 35680    | 1-3/16          | \$232.49 |
| 35690    | 1-5/16          | \$278.00 |

## Type 134-AG 1/2" Shank

4-Flute Core Drill - Hole Hog™  
Super Premium - 3-Flats on Shank

Special Hi - Molybdenum tool steel, gold surface treated body and clearance for maximum lubricity. Close tolerance construction. This tool is designed for enlarging existing holes exclusively.



| Part No. | Size  | Price   |
|----------|-------|---------|
| 22030    | 3/8   | \$31.95 |
| 22040    | 1/2   | \$41.74 |
| 22060    | 9/16  | \$53.42 |
| 22080    | 5/8   | \$59.58 |
| 22100    | 11/16 | \$66.58 |
| 22120    | 3/4   | \$72.58 |

## Type 54-AG Taper Shank Straight Flute

## HSS Bridge Length Reamers

## Black &amp; Gold Finish



| Part No. | Diameter Inches | Price    |
|----------|-----------------|----------|
| 81630    | 7/16            | \$65.67  |
| 81640    | 1/2             | \$65.63  |
| 81650    | 9/16            | \$76.55  |
| 81660    | 5/8             | \$86.88  |
| 81670    | 11/16           | \$106.60 |
| 81680    | 3/4             | \$120.80 |
| 81690    | 13/16           | \$122.35 |
| 81700    | 7/8             | \$139.09 |
| 81710    | 15/16           | \$139.09 |
| 81720    | 1-INCH          | \$159.86 |
| 81730    | 1-1/16          | \$171.89 |
| 81740    | 1-1/8           | \$193.17 |
| 81750    | 1-3/16          | \$214.37 |
| 81760    | 1-1/4           | \$241.15 |
| 81770    | 1-5/16          | \$276.87 |

## Type 55-AG Taper Shank Spiral Flute

## HSS Bridge Length Reamers

## Black &amp; Gold Finish



| Part No. | Diameter Inches | Price    |
|----------|-----------------|----------|
| 83310    | 7/16            | \$65.68  |
| 83320    | 1/2             | \$65.63  |
| 83330    | 9/16            | \$76.55  |
| 83340    | 5/8             | \$87.08  |
| 83350    | 11/16           | \$106.60 |
| 83360    | 3/4             | \$104.49 |
| 83370    | 13/16           | \$106.12 |
| 83380    | 7/8             | \$130.51 |
| 83390    | 15/16           | \$130.51 |
| 83400    | 1-INCH          | \$145.22 |
| 83410    | 1-1/16          | \$176.00 |
| 83420    | 1-1/8           | \$177.42 |
| 83430    | 1-3/16          | \$199.06 |
| 83440    | 1-1/4           | \$226.51 |
| 83450    | 1-5/16          | \$257.47 |

## Hole Expansion Sets



| Set      | Hole Hog™ 1/2" Shank | Price    |
|----------|----------------------|----------|
| Part No. | Size                 |          |
| 38860    | SP-6HHS              | \$141.74 |
| 38870    | SP-6HHL              | \$175.25 |
| 38880    | SP-8HH               | \$204.87 |

# Auger & Power Bits, Brad Point

Price List

## Pilot Drills, Wood Boring Products

### Auger Bits Types 940, 941, 942 Heavy-Duty Carbide

A carbide-tipped cutting tip combined with a hardened steel cutting edge, allows it to bore holes in all types of wood quickly, leaving little or no residue. A truly clean, smooth hole is provided.



| Type 940 12" Auger Bits |        |          |
|-------------------------|--------|----------|
| Part No.                | Size   | Price    |
| 51300                   | 1/2    | \$80.72  |
| 51310                   | 9/16   | \$83.21  |
| 51320                   | 5/8    | \$83.95  |
| 51330                   | 11/16  | \$84.73  |
| 51340                   | 3/4    | \$87.38  |
| 51350                   | 13/16  | \$90.84  |
| 51360                   | 7/8    | \$94.67  |
| 51370                   | 15/16  | \$98.45  |
| 51380                   | 1-INCH | \$101.18 |
| 51390                   | 1-1/16 | \$103.80 |
| 51400                   | 1-1/8  | \$106.95 |

| Type 941 18" Auger Bits |        |          |
|-------------------------|--------|----------|
| Part No.                | Size   | Price    |
| 51410                   | 1/2    | \$82.92  |
| 51420                   | 9/16   | \$87.23  |
| 51430                   | 5/8    | \$90.71  |
| 51440                   | 11/16  | \$94.07  |
| 51450                   | 3/4    | \$96.81  |
| 51460                   | 13/16  | \$99.44  |
| 51470                   | 7/8    | \$103.67 |
| 51480                   | 15/16  | \$107.85 |
| 51490                   | 1-INCH | \$110.13 |
| 51500                   | 1-1/16 | \$112.41 |
| 51510                   | 1-1/8  | \$115.78 |

| Type 942 24" Auger Bits |        |          |
|-------------------------|--------|----------|
| Part No.                | Size   | Price    |
| 51520                   | 1/2    | \$90.57  |
| 51530                   | 9/16   | \$93.36  |
| 51540                   | 5/8    | \$96.61  |
| 51550                   | 11/16  | \$99.85  |
| 51560                   | 3/4    | \$102.32 |
| 51570                   | 13/16  | \$104.83 |
| 51580                   | 7/8    | \$110.73 |
| 51590                   | 15/16  | \$116.63 |
| 51600                   | 1-INCH | \$122.63 |
| 51610                   | 1-1/16 | \$128.65 |
| 51620                   | 1-1/8  | \$132.55 |

### Types 950 & 951 General Purpose

High quality auger bits with hex shanks produced from alloy tool steel. Drill points with threads and one counterblade for cleaner holes. For deep drilling wood applications, quickly and easily drill holes in all types of wood products.



| Type 950 9" Auger Bits |        |         |
|------------------------|--------|---------|
| Part No.               | Size   | Price   |
| 53200                  | 3/8    | \$12.94 |
| 53210                  | 1/2    | \$14.09 |
| 53220                  | 9/16   | \$16.00 |
| 53230                  | 5/8    | \$17.53 |
| 53240                  | 11/16  | \$19.05 |
| 53250                  | 3/4    | \$20.18 |
| 53260                  | 7/8    | \$23.24 |
| 53270                  | 15/16  | \$24.38 |
| 53280                  | 1-INCH | \$33.14 |
| 53290                  | 1-1/8  | \$36.96 |

| Type 951 16" Auger Bits |        |         |
|-------------------------|--------|---------|
| Part No.                | Size   | Price   |
| 53300                   | 3/8    | \$17.14 |
| 53310                   | 1/2    | \$21.70 |
| 53320                   | 9/16   | \$22.86 |
| 53330                   | 5/8    | \$26.29 |
| 53340                   | 11/16  | \$31.62 |
| 53350                   | 3/4    | \$34.27 |
| 53360                   | 7/8    | \$39.24 |
| 53370                   | 15/16  | \$45.34 |
| 53380                   | 1-INCH | \$50.68 |
| 53390                   | 1-1/8  | \$63.24 |

Auger Bits and Power Bits are individually packaged.

### Types 952 & 953

#### General Purpose

High quality auger bits with hex shanks produced from alloy tool steel. Drill points with threads and one counterblade for cleaner holes. For deep drilling wood applications, quickly and easily drill holes in all types of wood products.

| Type 952 18" Auger Bits |        |         |
|-------------------------|--------|---------|
| Part No.                | Size   | Price   |
| 53400                   | 3/8    | \$17.91 |
| 53410                   | 1/2    | \$22.86 |
| 53420                   | 9/16   | \$25.14 |
| 53430                   | 5/8    | \$28.57 |
| 53440                   | 11/16  | \$33.14 |
| 53450                   | 3/4    | \$39.61 |
| 53460                   | 7/8    | \$42.66 |
| 53470                   | 15/16  | \$51.04 |
| 53480                   | 1-INCH | \$58.28 |
| 53490                   | 1-1/8  | \$63.24 |

| Type 953 24" Auger Bits |        |         |
|-------------------------|--------|---------|
| Part No.                | Size   | Price   |
| 53500                   | 3/8    | \$24.38 |
| 53510                   | 1/2    | \$29.72 |
| 53520                   | 9/16   | \$33.91 |
| 53530                   | 5/8    | \$39.61 |
| 53540                   | 11/16  | \$44.94 |
| 53550                   | 3/4    | \$55.24 |
| 53560                   | 7/8    | \$61.70 |
| 53570                   | 15/16  | \$73.14 |
| 53580                   | 1-INCH | \$86.09 |
| 53590                   | 1-1/8  | \$95.61 |

Auger Bits and Power Bits are individually packaged.

### Power Bits

#### Type 935

Cuts clean accurate holes in all soft and hard woods plus foam core, plastic, many non-metallic building siding and foam insulation.



| Part No. | Size             | Price   |
|----------|------------------|---------|
| 52005    | 1/4              | \$3.70  |
| 52015    | 5/16             | \$3.70  |
| 52025    | 3/8              | \$3.77  |
| 52035    | 7/16             | \$3.77  |
| 52045    | 1/2              | \$3.77  |
| 52055    | 9/16             | \$3.77  |
| 52065    | 5/8              | \$4.11  |
| 52075    | 11/16            | \$4.11  |
| 52085    | 3/4              | \$4.11  |
| 52095    | 13/16            | \$4.45  |
| 52105    | 7/8              | \$4.45  |
| 52115    | 15/16            | \$4.45  |
| 52125    | 1-INCH           | \$4.79  |
| 52135    | 1-1/8            | \$6.48  |
| 52145    | 1-1/4            | \$6.48  |
| 52155    | 1-3/8            | \$6.48  |
| 52165    | 1-1/2            | \$6.48  |
| 27555    | 6-IN. Extension  | \$8.07  |
| 52175    | 12-IN. Extension | \$10.10 |

| Sets Type 935 |       |         |
|---------------|-------|---------|
| Part No.      | Size  | Price   |
| 52185         | PB-4  | \$16.92 |
| 52195         | PB-6  | \$26.09 |
| 52205         | PB-13 | \$55.01 |

### Type 185

#### Pilot Drills For Hole Saws

#### High-Speed Steel - 135° Split Point



| Part No. | Size              | Price  |
|----------|-------------------|--------|
| 95100    | 1/4 X 4           | \$3.07 |
| 95101    | 1/4 X 3           | \$2.80 |
| 95102    | 1/4 X 4L          | \$4.02 |
| 95103    | 1/4 X 3L          | \$3.07 |
| 95104    | (Type 185-LX) 1/4 | \$4.63 |

Packaged in 12s.

### Super Rotary Saw Bits

#### Type 180-RP

#### Super Rotary Saw Bits for Drywall Cutouts



| Part No. | Size        | Price  |
|----------|-------------|--------|
| 96010    | 1/8 (10/PK) | \$1.28 |

### Super Rotary Saw Bits

#### Type 180

#### Super Rotary Saw Bits for Drywall Cutouts

| Part No. | Size       | Price  |
|----------|------------|--------|
| 99700    | 32 (10/PK) | \$128  |
| 57930    | 1/4 X 2.5  | \$3.94 |

### Brad Point Drills

#### Type 16-AG

#### Jobber Length Burro™ Brad Point

#### Super Premium

These high performance drills made from Hi-Moly tool steel will cut holes in sheet metal, wood or plastics and leave no burr.



| Part No. | Size  | Price   |
|----------|-------|---------|
| 01041    | 5/64  | \$3.46  |
| 01051    | 3/32  | \$3.46  |
| 01061    | 7/64  | \$3.59  |
| 01071    | 1/8   | \$3.64  |
| 01081    | 9/64  | \$3.67  |
| 01091    | 5/32  | \$3.74  |
| 01101    | 11/64 | \$3.80  |
| 01111    | 3/16  | \$4.22  |
| 01131    | 7/32  | \$4.71  |
| 01151    | 1/4   | \$5.16  |
| 01191    | 5/16  | \$7.06  |
| 01231    | 3/8   | \$9.54  |
| 01271    | 7/16  | \$14.94 |
| 01311    | 1/2   | \$17.94 |

#### Sets

| Part No. | Size  | Price    |
|----------|-------|----------|
| 42001    | BF-10 | \$47.37  |
| 42031    | BF-14 | \$102.60 |

### Type QR-AG Extensions

• One handed operation - Simply push your PTA into the extension and it will automatically load and lock the accessory.

• Patented All Hex connection system will hold any 1/4" hex shape including, Power Groove and Notched product

• Patented All Hex connection system holds the accessory without any wobble or play. Tight fit for a professional feel.

• Made 100% in the USA.

• Not intended for Impact Tools.



| Part No. | Size        | Price   |
|----------|-------------|---------|
| 34821    | ADAPT3 3"   | \$13.16 |
| 34831    | ADAPT6 6"   | \$15.18 |
| 34841    | ADAPT12 12" | \$16.19 |

# Bell Hanger, Step Drills & Twin End Drills

Burrou™, Ultra Bits Multi-Diameter, Magnum, Heavy-Duty

## Step Drills <sup>NEW</sup> Type B78-ACN Ultra Bit™ Multi-Diameter



| Part No. | Size    | Price    |
|----------|---------|----------|
| 65301    | 1/8-1/2 | \$51.66  |
| 65331    | 3/16A   | \$43.18  |
| 65351    | 3/16B   | \$91.52  |
| 65321    | 1/4-3/4 | \$70.07  |
| 65311    | 9/16-1  | \$80.05  |
| 65381    | 13/16   | \$164.83 |
| 65371    | 1/4 KO  | \$164.83 |
| 65361    | 7/8A    | \$128.81 |
| 65341    | 1/4-7/8 | \$101.83 |
| 65391    | 1/4A    | \$128.81 |

### SETS

| Part No. | Size         | Price    |
|----------|--------------|----------|
| 65411    | 3/16-7/8     | \$198.24 |
| 65421    | 9/16-1"      | \$186.77 |
| 65431    | 1/4-3/4      | \$176.78 |
| 65441    | 4 pcs. EL-4N | \$358.34 |

## Bell Hanger Bits Type 601

Carbide tipped, alloy steel shanks.

Recommended for all telephone, electrical, cable T.V. installers. Flutes are designed for quick chip clearance. Hole in flute for pulling wire.



| Part No. | Size      | Price   |
|----------|-----------|---------|
| 32000    | 1/4 X 12  | \$14.12 |
| 32010    | 5/16 X 12 | \$14.80 |
| 32020    | 3/8 X 12  | \$16.67 |
| 32030    | 1/2 X 12  | \$21.05 |
| 32040    | 1/4 X 18  | \$18.63 |
| 32050    | 5/16 X 18 | \$21.57 |
| 32060    | 3/8 X 18  | \$21.95 |
| 32070    | 1/2 X 18  | \$27.02 |
| 32080    | 1/4 X 24  | \$21.05 |
| 32090    | 5/16 X 24 | \$24.32 |
| 32100    | 3/8 X 24  | \$26.30 |
| 32110    | 1/2 X 24  | \$35.12 |
| 32120    | 1/4 X 36  | \$33.67 |
| 32130    | 5/16 X 36 | \$34.00 |
| 32140    | 3/8 X 36  | \$34.28 |
| 32150    | 1/2 X 36  | \$39.13 |
| 32160    | 1/4 X 48  | \$38.57 |
| 32170    | 5/16 X 48 | \$39.35 |
| 32180    | 3/8 X 48  | \$40.47 |
| 32190    | 1/2 X 48  | \$45.00 |

## Type 600

Flexible Shaft Installer-Wood Auger Bit

- Pulls itself through wood
- Screw point for easy starting
- 3/16" Flexible shaft
- Shaft designed with Flex memory retention for maximum torque translation
- Wire fishing drill bit

| Part No. | Size      | Price   |
|----------|-----------|---------|
| 89610    | 3/8 X 54  | \$51.73 |
| 89611    | 3/8 X 72  | \$56.24 |
| 89620    | 1/2 X 54  | \$52.99 |
| 89621    | 1/2 X 72  | \$57.35 |
| 89630    | 9/16 X 54 | \$57.68 |
| 89631    | 9/16 X 72 | \$62.07 |
| 89640    | 3/4 X 54  | \$67.71 |
| 89641    | 3/4 X 72  | \$73.96 |

## Step Drills Type B78-AG Blister Pak - Ultra Bit™ Multi-Diameter



| Part No. | Size    | Price    |
|----------|---------|----------|
| 45401    | 1/8-1/2 | \$33.40  |
| 45411    | 3/16A   | \$27.56  |
| 45421    | 3/16B   | \$58.20  |
| 45431    | 1/4-3/4 | \$43.43  |
| 45441    | 9/16-1  | \$50.15  |
| 45451    | 13/16   | \$108.53 |
| 45461    | 1/4 KO  | \$108.53 |
| 45501    | 1-7/32  | \$64.29  |
| 45471    | 7/8A    | \$83.26  |
| 45481    | 1/4-7/8 | \$65.80  |
| 45491    | 1/4A    | \$83.26  |

### Hanging Tubes Step Drills

| Part No. | Size | Price   |
|----------|------|---------|
| 00693    | 1/2  | \$33.40 |
| 00694    | 3/8  | \$22.17 |

### SETS

| Part No. | Size                     | Price    |
|----------|--------------------------|----------|
| 01911    | 1/4 -3/4                 | \$104.39 |
| 01921    | 13/16 - 7/8'             | \$119.16 |
| 01931    | Electricians 1/8 - 1-1/8 | \$164.17 |
| 01941    | 9/16 - 1'                | \$111.11 |
| 01981    | 4 pc EL4N                | \$230.87 |

## Step Drills Type B78-AGN Blister Pak - Ultra Bit™ Multi-Diameter



| Part No. | Size    | Price    |
|----------|---------|----------|
| 45701    | 1/8-1/2 | \$43.05  |
| 45711    | 3/16A   | \$35.98  |
| 45721    | 3/16B   | \$76.27  |
| 45731    | 1/4-3/4 | \$58.39  |
| 45741    | 1/4-7/8 | \$84.86  |
| 45751    | 9/16-1  | \$66.71  |
| 45761    | 13/16   | \$137.36 |
| 45771    | 7/8A    | \$107.34 |
| 45781    | 1/4A    | \$107.34 |
| 45791    | 1/4 KO  | \$137.36 |

### SETS

| Part No. | Size                     | Price    |
|----------|--------------------------|----------|
| 01811    | 1/4 - 3/4                | \$137.42 |
| 01821    | 3/16 - 7/8"              | \$155.80 |
| 01831    | Electricians 1/8 - 1-1/8 | \$186.20 |
| 01841    | 9/16 - 1"                | \$145.74 |
| 01871    | 4 pc EL-4N               | \$298.62 |

## Step Drills Type 78-QRN Quick Release - TiN Coated



| Part No. | Size    | Price    |
|----------|---------|----------|
| 68491    | 1/8-1/2 | \$44.26  |
| 68534    | 9/16-1  | \$67.76  |
| 68521    | 1/4-3/4 | \$59.60  |
| 68501    | 3/16A   | \$37.21  |
| 68541    | 1/4-7/8 | \$86.71  |
| 68511    | 3/16B   | \$77.47  |
| 68554    | 1-7/32  | \$84.46  |
| 68531    | 7/8A    | \$108.49 |
| 68524    | 1/4 KO  | \$138.42 |
| 68551    | 1/4A    | \$108.06 |

### SETS

| Part No. | Size       | Price    |
|----------|------------|----------|
| 68561    | 1/8-7/8"   | \$189.53 |
| 68571    | 1/8-3/4"   | \$141.07 |
| 68581    | 1/4 - 3/4" | \$230.22 |

## Step Drills Type 78-QR



| Part No. | Size    | Price   |
|----------|---------|---------|
| 01401    | 1/8-1/2 | \$34.43 |
| 01411    | 9/16-1  | \$50.75 |
| 01404    | 1/4-3/4 | \$44.46 |
| 01402    | 3/16A   | \$28.59 |
| 01412    | 1/4-7/8 | \$66.82 |
| 01403    | 3/16B   | \$59.22 |
| 01419    | 1-7/32  | \$65.15 |
| 01409    | 7/8A    | \$84.29 |
| 01414    | 1/4 KO  | \$43.41 |
| 01413    | 1/4A    | \$84.29 |

### SETS

| Part No. | Size                     | Price    |
|----------|--------------------------|----------|
| 01441    | 1/8 - 7/8                | \$129.48 |
| 01451    | 1/8 - 3/4                | \$114.71 |
| 01461    | Electricians 7/8 & 1-1/8 | \$154.54 |

## Twin End Drills Type 140-G

Twin End - Magnum Super Premium  
135° Split Point



### Fractional

| Part No. | Size | Price  |
|----------|------|--------|
| 95090    | 3/32 | \$2.07 |
| 95080    | 7/64 | \$2.07 |
| 95980    | 1/8  | \$2.07 |
| 95070    | 9/64 | \$2.31 |
| 95060    | 5/32 | \$2.31 |
| 95050    | 3/16 | \$3.02 |
| 95040    | 7/32 | \$4.09 |
| 95030    | 1/4  | \$4.58 |

### Wire

| Part No. | Size | Price  |
|----------|------|--------|
| 95020    | 10   | \$3.26 |
| 95010    | 11   | \$3.26 |
| 95000    | 20   | \$2.59 |
| 94990    | 30   | \$2.07 |

## Type 140

Twin End - Heavy-Duty 135° Split Point

This twin end drill has wide applications in drilling any thin sheet metal or wood. Automotive body shops will find twin end drills especially productive. **Black Oxide Finish.**



### Fractional

| Part No. | Size | Price  |
|----------|------|--------|
| 28470    | 3/32 | \$2.03 |
| 28480    | 7/64 | \$2.03 |
| 28490    | 1/8  | \$2.11 |
| 28500    | 9/64 | \$2.18 |
| 28510    | 5/32 | \$2.18 |
| 28530    | 3/16 | \$2.89 |
| 28550    | 7/32 | \$3.96 |
| 28570    | 1/4  | \$4.47 |

### Wire

| Part No. | Size | Price  |
|----------|------|--------|
| 27940    | 10   | \$2.89 |
| 27950    | 11   | \$2.89 |
| 28040    | 20   | \$2.18 |
| 28140    | 30   | \$2.11 |

All Twin End Drills are 12 per package.

## Acrylic, Hard Steel, Hole Cutters & Quick Release Hole Cutters

### Acrylic Drills Type 183-AG

#### Acrylic Drills with Chipfree™ Point Magnum Super Premium

Special Hi-Molybdenum tool steel, gold surface treated body, flute and point for maximum lubricity. Super CHIPFREE™ point is precision ground at a 60° angle for gradual penetration to avoid cracking and chipping of the acrylic material.



| Part No. | Size  | Price   |
|----------|-------|---------|
| 32260    | 3/32  | \$2.74  |
| 31500    | 1/8   | \$3.63  |
| 31510    | 5/32  | \$4.13  |
| 31520    | 3/16  | \$4.66  |
| 32210    | 13/64 | \$4.87  |
| 32220    | 7/32  | \$5.22  |
| 31530    | 1/4   | \$6.14  |
| 32240    | 9/32  | \$7.69  |
| 32230    | 19/64 | \$8.04  |
| 31540    | 5/16  | \$8.65  |
| 32290    | 11/32 | \$9.64  |
| 31550    | 3/8   | \$11.90 |
| 32250    | 25/64 | \$12.14 |
| 32460    | 13/32 | \$12.23 |
| 31560    | 7/16  | \$13.30 |
| 32470    | 15/32 | \$13.80 |
| 31570    | 1/2   | \$15.78 |

#### Type 183-AG Acrylic Set

|       |      |         |
|-------|------|---------|
| 31580 | AD-7 | \$80.16 |
|-------|------|---------|

### Hard Steel Drills

#### Type 602

Hard Steel Drills Carbide tipped, straight flute  
These drills are made for use in drilling hardened steel in the range of 48 to 65 Rockwell C.



| Part No. | Size      | Price   |
|----------|-----------|---------|
| 32300    | 1/8       | \$11.62 |
| 32310    | 5/32 X 3  | \$14.50 |
| 32320    | 11/64 X 3 | \$14.75 |
| 32330    | 3/16 X 3  | \$13.94 |
| 32340    | 7/32 X 4  | \$15.10 |
| 32350    | 1/4 X 4   | \$14.75 |
| 32360    | 1/4 X 6   | \$15.10 |
| 32370    | 9/32 X 4  | \$15.42 |
| 32380    | 5/16 X 4  | \$15.61 |
| 32390    | 5/16 X 6  | \$16.35 |
| 32400    | 3/8 X 4   | \$16.42 |
| 32410    | 3/8 X 6   | \$17.22 |
| 32420    | 7/16 X 6  | \$20.80 |
| 32430    | 1/2 X 6   | \$24.03 |
| 32440    | 9/16 X 6  | \$30.34 |
| 32450    | 5/8 X 6   | \$32.02 |

### Solid Carbide Drills

#### Type 602-C

#### Solid Carbide Straight Flute

Excellent for removing broken screw extruders, taps and drill bits. For use in extremely hard and difficult to machine materials.



| Part No. | Size  | Price    |
|----------|-------|----------|
| 36173    | 1/16  | \$16.55  |
| 36193    | 3/32  | \$17.33  |
| 36213    | 1/8   | \$18.28  |
| 36233    | 5/32  | \$22.85  |
| 36253    | 3/16  | \$25.65  |
| 36273    | 7/32  | \$34.66  |
| 36293    | 1/4   | \$42.47  |
| 36313    | 9/32  | \$54.71  |
| 36333    | 5/16  | \$59.45  |
| 36353    | 11/32 | \$71.22  |
| 36373    | 3/8   | \$84.54  |
| 36393    | 13/32 | \$106.06 |
| 36413    | 7/16  | \$126.62 |
| 36433    | 15/32 | \$142.61 |
| 36453    | 1/2   | \$152.96 |
| 36473    | 5/8   | \$259.79 |
| 36483    | 3/4   | \$350.67 |

### Hole Cutters Type CHC-AG

Carbide Tipped Holecutters  
These Super Premium Carbide Tipped Holecutters are made with ultra-hard tungsten carbide teeth for cutting through tough alloys up to 3/16" thick.



| Part No. | Size    | Price    |
|----------|---------|----------|
| 62000    | 9/16    | \$42.20  |
| 62010    | 5/8     | \$41.85  |
| 62020    | 11/16   | \$41.85  |
| 62030    | 3/4     | \$41.85  |
| 62040    | 13/16   | \$41.85  |
| 62050    | 7/8     | \$43.99  |
| 62060    | 15/16   | \$43.99  |
| 62070    | 1-INCH  | \$47.11  |
| 62080    | 1-1/16  | \$48.64  |
| 62090    | 1-1/8   | \$52.70  |
| 62100    | 1-3/16  | \$52.70  |
| 62110    | 1-1/4   | \$50.58  |
| 62120    | 1-5/16  | \$53.38  |
| 62130    | 1-3/8   | \$57.02  |
| 62140    | 1-7/16  | \$61.92  |
| 62150    | 1-1/2   | \$61.92  |
| 62160    | 1-9/16  | \$61.92  |
| 62170    | 1-5/8   | \$67.21  |
| 62180    | 1-11/16 | \$67.21  |
| 62190    | 1-3/4   | \$67.21  |
| 62200    | 1-13/16 | \$69.47  |
| 62210    | 1-7/8   | \$69.47  |
| 62220    | 1-15/16 | \$69.47  |
| 62230    | 2-INCH  | \$82.99  |
| 62240    | 2-1/16  | \$82.99  |
| 62250    | 2-1/8   | \$82.99  |
| 62260    | 2-3/16  | \$104.48 |
| 62270    | 2-1/4   | \$104.48 |
| 62280    | 2-5/16  | \$104.48 |
| 62290    | 2-3/8   | \$114.20 |
| 62300    | 2-7/16  | \$114.20 |
| 62310    | 2-1/2   | \$114.20 |
| 62320    | 2-9/16  | \$121.10 |
| 62330    | 2-5/8   | \$121.10 |
| 62340    | 2-11/16 | \$121.10 |
| 62350    | 2-3/4   | \$125.23 |
| 62360    | 2-13/16 | \$134.71 |
| 62370    | 2-7/8   | \$134.71 |
| 62380    | 2-15/16 | \$134.71 |
| 62390    | 3-INCH  | \$134.71 |
| 62400    | 3-1/4   | \$172.29 |
| 62410    | 3-1/2   | \$172.29 |
| 62420    | 3-3/4   | \$206.81 |
| 62430    | 4-INCH  | \$224.03 |
| 62440    | 4-1/4   | \$224.03 |
| 62450    | 4-1/2   | \$246.23 |
| 62460    | 4-3/4   | \$246.23 |
| 62470    | 5-INCH  | \$270.87 |
| 62480    | PILOT   | \$9.21   |
| 62490    | SCREW   | \$0.60   |
| 62500    | SPRING  | \$0.38   |

### Type CHC-QR

#### 1/4" Quick Release Hole Cutters

Carbide Tipped Holecutters

These Super Premium Carbide Tipped Holecutters are made with ultra-hard tungsten carbide teeth for cutting through tough alloys up to 3/16" thick.



| Part No. | Size   | Price   |
|----------|--------|---------|
| 83470    | 5/8    | \$42.36 |
| 83480    | 11/16  | \$42.36 |
| 83490    | 3/4    | \$42.36 |
| 83500    | 13/16  | \$42.36 |
| 83510    | 7/8    | \$44.50 |
| 83520    | 15/16  | \$44.50 |
| 83530    | 1-INCH | \$47.62 |
| 83540    | 1-1/16 | \$49.14 |
| 83550    | 1-1/8  | \$53.21 |
| 83560    | 1-3/16 | \$53.21 |
| 83580    | 1-1/4  | \$51.09 |
| 83590    | 1-5/16 | \$53.89 |
| 83600    | 1-3/8  | \$57.53 |
| 83950    | PILOT  | \$3.68  |
| 83960    | SCREW  | \$0.02  |
| 83970    | SPRING | \$0.05  |

### Deephole Cutters Type CHD-AG

#### Deephole Carbide Tipped Holecutters

The Super Premium Carbide Tipped Holecutters provide quick, accurate holes in pipe, steel plates, iron, aluminum, copper, cast iron, and stainless steel up to 1" thick.



| Part No. | Size    | Price    |
|----------|---------|----------|
| 63990    | 9/16    | \$56.96  |
| 64000    | 5/8     | \$56.96  |
| 64010    | 11/16   | \$56.96  |
| 64020    | 3/4     | \$59.27  |
| 64030    | 13/16   | \$59.27  |
| 64040    | 7/8     | \$59.27  |
| 64050    | 15/16   | \$59.27  |
| 64060    | 1-INCH  | \$59.27  |
| 64070    | 1-1/16  | \$63.84  |
| 64080    | 1-1/8   | \$63.84  |
| 64090    | 1-3/16  | \$75.71  |
| 64100    | 1-1/4   | \$75.71  |
| 64110    | 1-5/16  | \$75.71  |
| 64120    | 1-3/8   | \$75.71  |
| 64130    | 1-7/16  | \$80.28  |
| 64140    | 1-1/2   | \$80.28  |
| 64150    | 1-9/16  | \$80.28  |
| 64160    | 1-5/8   | \$89.56  |
| 64170    | 1-11/16 | \$89.56  |
| 64180    | 1-3/4   | \$89.56  |
| 64190    | 1-13/16 | \$89.56  |
| 64200    | 1-7/8   | \$89.56  |
| 64210    | 1-15/16 | \$89.56  |
| 64220    | 2-INCH  | \$105.19 |
| 64240    | 2-1/16  | \$105.19 |
| 64250    | 2-1/8   | \$138.95 |
| 64260    | 2-3/16  | \$143.49 |
| 64270    | 2-1/4   | \$143.49 |
| 64280    | 2-5/16  | \$143.49 |
| 64290    | 2-3/8   | \$143.49 |
| 64300    | 2-7/16  | \$143.49 |
| 64340    | 2-1/2   | \$143.49 |
| 64350    | 2-9/16  | \$143.49 |
| 64360    | 2-5/8   | \$154.69 |
| 64370    | 2-11/16 | \$154.69 |
| 64380    | 2-3/4   | \$154.69 |
| 64390    | 2-13/16 | \$154.69 |
| 64400    | 2-7/8   | \$154.69 |
| 64410    | 2-15/16 | \$154.69 |
| 64420    | 3-INCH  | \$177.03 |
| 64430    | 3-1/4   | \$177.03 |
| 64440    | 3-1/2   | \$184.55 |
| 64450    | 3-3/4   | \$218.52 |
| 64460    | 4       | \$228.82 |
| 64470    | 4-1/4   | \$228.82 |
| 64480    | 4-1/2   | \$241.64 |
| 64490    | 4-3/4   | \$241.64 |
| 64231    | PILOT   | \$9.21   |
| 62490    | SCREW   | \$0.60   |
| 62530    | SPRING  | \$0.38   |

### Carbide Tipped Holecutter Sets

#### Type CHD-AG & CHD-AG

| CHC-AG for 3/16" Thin Material |                 |          |
|--------------------------------|-----------------|----------|
| Part No.                       | Size            | Price    |
| 62600                          | 11/16 - 1-1/16" | \$222.71 |
| 62610                          | 5/8 - 1"        | \$221.18 |
| 62620                          | 7/8 - 2"        | \$350.29 |

CHC-AG Individual Sizes Available 9/16 to 5-inch  
CHD-AG Individual Sizes Available 5/8 to 2-inch

| CHD-AG for 1" Thick Material |                 |          |
|------------------------------|-----------------|----------|
| Part No.                     | Size            | Price    |
| 64300                        | 11/16 - 1-1/16" | \$285.71 |
| 64310                        | 5/8 - 1"        | \$281.14 |
| 64320                        | 7/8 - 2"        | \$439.94 |

### 3pc. Carbide Tipped Holecutter Sets

- Ideal for stainless steel, structural steel studs and electrical boxes.
- Can be used on cast iron, brass, aluminum and other thin non-ferrous metals.
- Burr free holes.
- For material up to 3/16"



| Part No. | Size                  | Price    |
|----------|-----------------------|----------|
| 62590    | 7/8", 1-1/8" & 1-3/8" | \$154.20 |

# Specialty Tools, Weldout™ Spotweld

Chatterproof™ Countersinks, Carbide ALTiN Coated, Cobalt High-Speed Steel Spotweld

## Weldout™ Spotweld Drills & Sets

### Types 186 & 187

Weldout™ Spotweld Drills Super Cobalt High-Speed Steel Gold Finish - Heavy-Duty Spur Point



| Type 186 |                  |         |
|----------|------------------|---------|
| Part No. | Size             | Price   |
| 37240    | 6.5mm X 1.49     | \$12.12 |
| 66420    | 6.5mm X1.56      | \$10.92 |
| 37520    | 6.5mm X 1.75     | \$10.47 |
| 37660    | 6.5mm X 3.62 TE  | \$19.60 |
| 37250    | 8.0mm X 1.49     | \$15.03 |
| 66430    | 8.0mm X 1.56     | \$13.82 |
| 37510    | 8.0mm X 1.69     | \$15.03 |
| 37470    | 8.0mm X 1.75     | \$13.40 |
| 37670    | 8.0mm X 3.62 TE  | \$25.51 |
| 37530    | 10mm X 1.75      | \$19.89 |
| 37680    | 10.0mm X 3.62 TE | \$38.15 |

| Type 187 |                  |         |
|----------|------------------|---------|
| Part No. | Size             | Price   |
| 66180    | 8.0mm X 2.25     | \$13.40 |
| 37671    | 8.0mm X 3.62 TE  | \$25.51 |
| 66190    | 10mm X 2.25      | \$19.89 |
| 37681    | 10.0mm X 3.62 TE | \$38.15 |

### Types 187-B

Carbide ALTiN Coated Spotweld Drills



| Part No. | Size                 | Price   |
|----------|----------------------|---------|
| 85880    | 8.0mm X 1.75 (Flats) | \$65.99 |
| 85890    | 8.0mm X 2.00 (Round) | \$61.63 |
| 85900    | 10.0mm X 2.25        | \$67.31 |

### Types 187-DN

Tin Coated Weldout™ Spotweld Drills M-42 Cobalt High-Speed Steel Heavy-Duty Spur Point



| Type 187-DN |                  |         |
|-------------|------------------|---------|
| Part No.    | Size             | Price   |
| 73450       | 8.0mm X 2.25     | \$18.14 |
| 73470       | 8.0mm X 3.62 TE  | \$34.91 |
| 73460       | 10mm X 2.25      | \$25.65 |
| 73480       | 10.0mm X 3.62 TE | \$47.44 |

### Type 186



| WO-6 Set |      |          |
|----------|------|----------|
| Part No. | Size | Price    |
| 35010    | WO-6 | \$140.47 |

### Type 187



| WO-4 Set               |       |          |
|------------------------|-------|----------|
| Part No.               | Size  | Price    |
| 35050                  | WO-4  | \$107.28 |
| WO-20 Weld Out Display |       |          |
| Part No.               | Size  | Price    |
| 66200                  | WO-20 | \$268.18 |

## Glass & Tile Drills Type 626

### Carbide Tip with Spear Point

These drills are designed for drilling in glass, tile, mirrors and ceramic materials. The spear point allows clean penetration with reduced cutting pressure and breakout. The carbide tip insures long tool life. Fits drills with 3/8" or large chucks. Individually packaged in clear hanging tubes.



| Part No. | Size | Price   |
|----------|------|---------|
| 56510    | 1/8  | \$10.75 |
| 56520    | 5/32 | \$10.92 |
| 56530    | 3/16 | \$8.65  |
| 56540    | 1/4  | \$9.34  |
| 56550    | 5/16 | \$11.38 |
| 56560    | 3/8  | \$15.24 |
| 56570    | 1/2  | \$21.73 |

| SET      |      |         |
|----------|------|---------|
| Part No. | Size | Price   |
| 56580    | GT-4 | \$40.14 |

## Countersinks Types 296 & 297

Combined Drills & Countersinks High-Speed Steel - 118° Surface Treated Flutes over 1/2" Dia.



### Plain Type 296

Drill ends are of equal diameter. The included angle is 60°.

| Part No. | Size | Price   |
|----------|------|---------|
| 26760    | 00   | \$8.10  |
| 26770    | 0    | \$8.10  |
| 26780    | 1    | \$6.82  |
| 26790    | 2    | \$6.82  |
| 26800    | 3    | \$6.82  |
| 26810    | 4    | \$7.08  |
| 26820    | 5    | \$10.61 |
| 26830    | 6    | \$15.86 |
| 26840    | 7    | \$27.24 |
| 26850    | 8    | \$37.11 |

## SET-5 pc. Combined Drill and Counter-Sink

| Part No. | Size             | Price   |
|----------|------------------|---------|
| 26861    | 1, 2, 3, 4 and 5 | \$46.73 |

## Countersinks Type 82-AG & 90-AG

### Type 82-AG Chatterproof™

Countersinks Super Premium

Special Hi-Molybdenum tool steel, gold surface treated points for maximum lubricity and chatterproof finish.



These high performance, flute-less tools are:

- Free cutting - for ease of use
- Single cutting edge - for fast stock removal
- Chatterproof

| Part No. | Size    | Price    |
|----------|---------|----------|
| 67010    | CS1/4   | \$21.74  |
| 67020    | CS1/4A  | \$21.74  |
| 67030    | CS5/16  | \$25.97  |
| 67040    | CS5/16A | \$25.97  |
| 67050    | CS3/8   | \$34.49  |
| 67060    | CS3/8A  | \$34.49  |
| 67070    | CS7/16  | \$42.94  |
| 67080    | CS7/16A | \$42.94  |
| 67090    | CS1/2   | \$44.61  |
| 67100    | CS1/2A  | \$44.61  |
| 67110    | CS073   | \$15.00  |
| 67120    | CS3/16  | \$18.78  |
| 67130    | CS307   | \$32.55  |
| 67140    | CS307A  | \$32.55  |
| 67150    | CS431   | \$55.41  |
| 67160    | CS1/2B  | \$126.33 |
| 67170    | CS5S    | \$10.81  |
| 67180    | CS6S    | \$11.40  |
| 67190    | CS8S    | \$12.16  |
| 67200    | CS10S   | \$14.25  |

| Type 82-AG Sets |         |          |
|-----------------|---------|----------|
| Part No.        | Size    | Price    |
| 10440           | SP-4CS  | \$62.66  |
| 10442           | SP-4ACS | \$70.64  |
| 10443           | SP-9CS  | \$232.95 |

## Type 90-AG Chatterproof™ Deburring Tools Super Premium



| Part No. | Size    | Price    |
|----------|---------|----------|
| 67210    | DB1/64  | \$23.97  |
| 67220    | DB1/16  | \$12.55  |
| 67230    | DB1/8   | \$13.22  |
| 67240    | DB5/32  | \$14.94  |
| 67250    | DB3/16  | \$18.48  |
| 67260    | DB5/16  | \$32.11  |
| 67270    | DB5/16C | \$32.11  |
| 67280    | DB9/16  | \$54.83  |
| 67290    | DB1/2   | \$124.88 |

| Type 90-AG Set |        |          |
|----------------|--------|----------|
| Part No.       | Size   | Price    |
| 10450          | SP-6DB | \$160.35 |

## Type EXT

Extensions - Includes an "Allen Wrench"

| Part No. | OAL/Size                   | Price   |
|----------|----------------------------|---------|
| 62710    | 6-1/4" / 3/8" (Bore/Shank) | \$47.57 |
| 62720    | 6-1/4" / 1/2" (Bore/Shank) | \$50.88 |
| 62730    | 7-1/2" / 1/2" (Bore/Shank) | \$50.88 |

## Slow & Fast Spiral Heavy Duty Rotary, Rebar Cutter Bitsaver™

### Masonry Drills

#### Type 215

##### Fast Spiral, Heavy-Duty Rotary

Carbide tipped, hardened steel bodies & bright finish.

These masonry drills are designed with the fast spiral flutes to drill faster in the extra hard masonry products.



| Fractional |           |         |
|------------|-----------|---------|
| Part No.   | Size      | Price   |
| 46000      | 1/8 X 3   | \$3.66  |
| 46010      | 3/16 X 3  | \$3.79  |
| 46020      | 3/16 X 4  | \$3.95  |
| 46040      | 1/4 X 4   | \$4.05  |
| 46050      | 1/4 X 6   | \$4.25  |
| 46060      | 5/16 X 4  | \$5.01  |
| 46070      | 5/16 X 6  | \$5.57  |
| 46080      | 3/8 X 4   | \$5.22  |
| 46090      | 3/8 X 6   | \$5.78  |
| 46100      | 7/16 X 4  | \$7.81  |
| 46110      | 7/16 X 6  | \$8.28  |
| 46120      | 1/2 X 4   | \$7.05  |
| 46130      | 1/2 X 6A  | \$9.47  |
| 46140      | 9/16 X 6A | \$9.62  |
| 46150      | 5/8 X 6   | \$14.70 |
| 46160      | 11/16 X 6 | \$19.15 |
| 46170      | 3/4 X 6   | \$19.66 |
| 46180      | 7/8 X 6   | \$29.83 |
| 46190      | 1 X 6     | \$33.39 |
| 46220      | 3/8 X 12  | \$14.13 |
| 46230      | 1/2 X 12  | \$16.72 |
| 46360      | 1/2 X 6B  | \$9.57  |
| 46370      | 9/16 X 6B | \$9.62  |
| 46380      | 3/8 X 18  | \$16.99 |
| 46390      | 1/2 X 18  | \$24.71 |

Change last digit from 0 to 7 for CARDED.  
6" or shorter, 1/2" or smaller only.

#### Type 225

##### Slow Spiral, Heavy-Duty Rotary

Carbide tipped, hardened steel bodies & bright finish.

The fastest, easiest way to drill holes in brick, tile, cement, asbestos, marble, concrete etc. No special equipment needed. Use them in any regular electric drill.



| Fractional |           |        | Continued next Column |
|------------|-----------|--------|-----------------------|
| Part No.   | Size      | Price  |                       |
| 46240      | 1/8 X 2   | \$3.80 |                       |
| 45800      | 1/8 X 3   | \$3.80 |                       |
| 46400      | 1/8 X 6   | \$4.53 |                       |
| 46250      | 5/32 X 3  | \$4.22 |                       |
| 46260      | 11/64 X 3 | \$4.22 |                       |
| 45810      | 3/16 X 3  | \$3.96 |                       |
| 45820      | 3/16 X 4  | \$4.38 |                       |
| 45830      | 3/16 X 6  | \$4.33 |                       |
| 46270      | 13/64 X 3 | \$4.12 |                       |
| 46280      | 7/32 X 4  | \$4.85 |                       |
| 46420      | 7/32 X 6  | \$4.85 |                       |
| 46290      | 1/4 X 3   | \$3.96 |                       |
| 45840      | 1/4 X 4   | \$4.00 |                       |
| 45850      | 1/4 X 6   | \$4.22 |                       |
| 46300      | 9/32 X 4  | \$4.26 |                       |
| 46440      | 9/32 X 6  | \$5.48 |                       |
| 45860      | 5/16 X 4  | \$4.94 |                       |
| 45870      | 5/16 X 6  | \$5.52 |                       |
| 46460      | 5/16 X 6B | \$6.19 |                       |
| 45880      | 3/8 X 4   | \$5.41 |                       |
| 45890      | 3/8 X 6   | \$6.67 |                       |
| 46480      | 3/8 X 6B  | \$6.67 |                       |
| 45900      | 7/16 X 4  | \$5.83 |                       |
| 45910      | 7/16 X 6A | \$7.56 |                       |
| 46490      | 7/16 X 6B | \$7.56 |                       |

#### Type 225

##### Slow Spiral, Heavy-Duty Rotary

|       |           |         |
|-------|-----------|---------|
| 45920 | 1/2 X 4   | \$7.23  |
| 45930 | 1/2 X 6   | \$7.70  |
| 46860 | 1/2 X 6A  | \$7.76  |
| 46870 | 1/2 X 6B  | \$8.70  |
| 45940 | 9/16 X 6  | \$8.96  |
| 45950 | 5/8 X 6A  | \$9.93  |
| 46310 | 5/8 X 6B  | \$9.93  |
| 45960 | 11/16 X 6 | \$14.27 |
| 45970 | 3/4 X 6   | \$15.21 |
| 46320 | 13/16 X 6 | \$19.79 |
| 45980 | 7/8 X 6   | \$20.78 |
| 45990 | 1 X 6     | \$27.02 |
| 45120 | 1-1/8     | \$35.93 |
| 45130 | 1-1/4     | \$41.56 |
| 46340 | 1-3/8     | \$50.05 |
| 45140 | 1-1/2     | \$51.41 |

Change last digit from 0 to 7 for  
CARDED. 6" or shorter, 1/2" or smaller only.

#### Type 216

##### Slow Spiral, Heavy-Duty Rotary

Carbide tipped, hardened steel bodies & bright finish.

The fastest easiest way to drill in brick, tile, cement, asbestos, marble, concrete etc. No special equipment needed. Use them in any electric drill. For Drills shorter than 12" see Type 225.



| Fractional |                 |         |
|------------|-----------------|---------|
| Part No.   | Size            | Price   |
| 46500      | 1/8 X 12        | \$9.48  |
| 46620      | 1/8 X 18        | \$14.53 |
| 46510      | 3/16 X 12       | \$9.17  |
| 46630      | 3/16 X 18       | \$14.53 |
| 46520      | 7/32 X 12       | \$10.15 |
| 46640      | 7/32 X 18       | \$17.45 |
| 45680      | 1/4 X 12        | \$10.89 |
| 45500      | 1/4 X 18        | \$14.95 |
| 47200      | 1/4 X 24        | \$18.65 |
| 47370      | 1/4 X 36        | \$28.64 |
| 46740      | 1/4 X 48        | \$44.27 |
| 46530      | 9/32 X 12       | \$12.55 |
| 46650      | 9/32 X 18       | \$16.86 |
| 47210      | 9/32 X 24       | \$19.90 |
| 47380      | 9/32 X 36       | \$29.96 |
| 45510      | 5/16 X 18A      | \$16.60 |
| 45690      | 5/16 X 12A      | \$12.18 |
| 46540      | 5/16 X 12B      | \$12.18 |
| 46660      | 5/16 X 18B      | \$16.60 |
| 47220      | 5/16 X 24       | \$19.99 |
| 47390      | 5/16 X 36       | \$31.20 |
| 46750      | 5/16 X 48       | \$41.40 |
| 45700      | 3/8 X 12A       | \$13.43 |
| 46550      | 3/8 X 12B       | \$13.43 |
| 45520      | 3/8 X 18A       | \$17.39 |
| 46670      | 3/8 X 18        | \$17.39 |
| 47230      | 3/8 X 24        | \$25.46 |
| 47400      | 3/8 X 36        | \$37.23 |
| 46760      | 3/8 X 48        | \$44.27 |
| 45710      | 7/16 X 3/8 X 12 | \$15.88 |
| 45530      | 7/16 X 3/8 X 18 | \$20.05 |
| 47240      | 7/16 X 3/8 X 24 | \$25.94 |
| 47410      | 7/16 X 3/8 X 36 | \$44.10 |
| 45720      | 1/2 X 3/8 X 12  | \$16.77 |
| 45540      | 1/2 X 3/8 X 18  | \$20.67 |
| 47250      | 1/2 X 3/8 X 24  | \$29.62 |
| 47420      | 1/2 X 36        | \$44.10 |
| 46770      | 1/2 X 48        | \$50.78 |
| 45730      | 9/16 X 3/8 X 12 | \$19.72 |
| 45550      | 9/16 X 3/8 X 18 | \$23.17 |
| 47260      | 9/16 X 3/8 X 24 | \$30.47 |
| 47430      | 9/16 X 1/2 X 36 | \$45.77 |
| 45740      | 5/8 X 1/2 X 12  | \$19.99 |

#### Type 216

##### Slow Spiral, Heavy-Duty Rotary

| Fractional |            |         |
|------------|------------|---------|
| Part No.   | Size       | Price   |
| 45500      | 1/4 X 18   | \$14.95 |
| 45560      | 5/8 X 18   | \$24.58 |
| 47270      | 5/8 X 24   | \$33.65 |
| 47440      | 5/8 X 36   | \$45.77 |
| 46780      | 5/8 X 48   | \$54.11 |
| 46560      | 11/16 X 12 | \$23.90 |
| 46680      | 11/16 X 18 | \$29.16 |
| 47280      | 11/16 X 24 | \$39.06 |
| 47450      | 11/16 X 36 | \$49.42 |
| 45750      | 3/4 X 12   | \$24.28 |
| 45570      | 3/4 X 18   | \$31.20 |
| 47290      | 3/4 X 24   | \$39.58 |
| 47460      | 3/4 X 36   | \$49.42 |
| 46790      | 3/4 X 48   | \$60.86 |
| 46570      | 13/16 X 12 | \$26.92 |
| 46690      | 13/16 X 18 | \$32.80 |
| 47300      | 13/16 X 24 | \$43.43 |
| 47470      | 13/16 X 36 | \$53.13 |
| 45760      | 7/8 X 12   | \$26.35 |
| 45580      | 7/8 X 18   | \$32.80 |
| 47310      | 7/8 X 24   | \$43.48 |
| 47480      | 7/8 X 36   | \$53.13 |
| 46800      | 7/8 X 48   | \$63.58 |
| 45770      | 1 X 12     | \$31.14 |
| 45590      | 1 X 18     | \$36.19 |
| 47320      | 1 X 24     | \$45.77 |
| 47490      | 1 X 36     | \$56.05 |
| 46810      | 1 X 48     | \$67.65 |
| 46580      | 1-1/8 X 12 | \$43.69 |
| 46700      | 1-1/8 X 18 | \$51.60 |
| 47330      | 1-1/8 X 24 | \$56.18 |
| 47500      | 1-1/8 X 36 | \$60.67 |
| 46820      | 1-1/8 X 48 | \$73.07 |
| 46590      | 1-1/4 X 12 | \$44.66 |
| 46710      | 1-1/4 X 18 | \$54.90 |
| 47340      | 1-1/4 X 24 | \$67.44 |
| 47510      | 1-1/4 X 36 | \$69.69 |
| 46830      | 1-1/4 X 48 | \$78.07 |
| 46600      | 1-3/8 X 12 | \$53.75 |
| 46720      | 1-3/8 X 18 | \$61.30 |
| 47350      | 1-3/8 X 24 | \$70.97 |
| 47520      | 1-3/8 X 36 | \$74.88 |
| 46840      | 1-3/8 X 48 | \$82.79 |
| 46610      | 1-1/2 X 12 | \$64.10 |
| 46730      | 1-1/2 X 18 | \$70.71 |
| 47360      | 1-1/2 X 24 | \$79.84 |
| 47530      | 1-1/2 X 36 | \$86.86 |
| 46850      | 1-1/2 X 48 | \$96.19 |

#### Rebar Cutter

##### Type 612

##### Rebar Cutter - Bitsaver™

The Bitsaver™ rebar cutter is the answer to your damaged impact hammer bit problem. The rebar cutter is to be used in the rotary drilling mode only. Using the impact hammer mode will damage the cutter.



| Part No. | Size   | Price    |
|----------|--------|----------|
| 45211    | 1/2    | \$60.34  |
| 45221    | 9/16   | \$66.29  |
| 45231    | 5/8    | \$70.80  |
| 45241    | 11/16  | \$78.11  |
| 45251    | 3/4    | \$79.72  |
| 45261    | 7/8    | \$89.68  |
| 45271    | 1-INCH | \$97.92  |
| 45281    | 1-1/8  | \$118.20 |
| 45291    | 1-1/4  | \$121.40 |
| 45301    | 1-3/8  | \$135.96 |
| 45311    | 1-1/2  | \$144.83 |
| 45321    | 1-3/4  | \$167.76 |
| 45331    | 2-INCH | \$260.09 |
| 45341    | 2-1/2  | \$295.52 |
| 45351    | 3-INCH | \$341.96 |

### Masonry Drills Type 214

#### All Purpose, Heavy-Duty

Carbide tipped, hardened steel bodies (3/8" diameter and smaller), 6% cobalt carbide grade, lifetime tip warranty against braze failure, slow spiral. Black surface finish with bronze colored tip.



| Fractional |            |         |
|------------|------------|---------|
| Part No.   | Size       | Price   |
| 94600      | 1/8 X 3    | \$2.78  |
| 94610      | 3/16 X 4   | \$2.99  |
| 94620      | 3/16 X 6   | \$3.79  |
| 94640      | 1/4 X 4    | \$3.61  |
| 94650      | 1/4 X 6    | \$3.89  |
| 94660      | 1/4 X 13   | \$9.74  |
| 94670      | 5/16 X 4   | \$3.76  |
| 94680      | 5/16 X 6   | \$4.32  |
| 94690      | 5/16 X 13  | \$10.41 |
| 94700      | 3/8 X 4    | \$4.39  |
| 94710      | 3/8 X 6B   | \$5.56  |
| 94730      | 3/8 X 6A   | \$5.56  |
| 94750      | 7/16 X 4   | \$5.84  |
| 94760      | 7/16 X 6B  | \$6.25  |
| 94790      | 7/16 X 13A | \$13.89 |
| 94810      | 1/2 X 6B   | \$6.68  |
| 94820      | 1/2 X 13B  | \$15.01 |
| 94830      | 1/2 X 6A   | \$6.68  |
| 94840      | 1/2 X 13A  | \$15.28 |
| 94860      | 9/16 X 13B | \$18.05 |
| 94870      | 9/16 X 6A  | \$8.19  |
| 94880      | 9/16 X 13A | \$18.05 |
| 94890      | 5/8 X 6B   | \$9.25  |
| 94910      | 5/8 X 6A   | \$9.25  |
| 94920      | 5/8 X 13A  | \$19.45 |

Change last digit from 0 to 7 for CARDED.  
6" or shorter, 1/2" or smaller only.

### Type 217

#### High-Performance- Tapcon™ Style

The 217 Series high performance drills are designed for use in the Tapcon™ style anchoring systems used for setting masonry anchor screws with self-tapping threads.



| Fractional |          |        |
|------------|----------|--------|
| Part No.   | Size     | Price  |
| 19910      | 5/32 X 3 | \$3.21 |
| 19920      | 5/32 X 4 | \$3.57 |
| 19930      | 5/32 X 5 | \$3.71 |
| 19940      | 3/16 X 3 | \$3.28 |
| 19950      | 3/16 X 4 | \$3.66 |
| 19960      | 3/16 X 5 | \$3.81 |
| 19970      | 3/16 X 6 | \$6.09 |
| 19980      | 3/16 X 7 | \$6.18 |

### Percussion Bits Type 607

#### Heavy-Duty A-Taper

Percussion grade carbide tip and strong alloy steel body make these taper shank bits excellent performers in all types of masonry drilling applications. The bits are designed to fit all standard taper chucks.



| Type 607 |            |         |
|----------|------------|---------|
| Part No. | Size       | Price   |
| 31000    | 3/16 X 4   | \$11.12 |
| 31040    | 1/4 X 6    | \$11.77 |
| 31050    | 9/32 X 6   | \$12.95 |
| 31020    | 5/16 X 4   | \$10.54 |
| 31060    | 5/16 X 6   | \$12.63 |
| 31200    | 5/16 X 9   | \$15.62 |
| 31340    | 5/16 X 12  | \$21.29 |
| 31030    | 3/8 X 4    | \$11.60 |
| 31070    | 3/8 X 6    | \$13.32 |
| 31210    | 3/8 X 9    | \$16.43 |
| 31350    | 3/8 X 12   | \$23.54 |
| 31080    | 7/16 X 6   | \$13.58 |
| 31220    | 7/16 X 9   | \$19.94 |
| 31090    | 15/32 X 6  | \$15.78 |
| 31230    | 15/32 X 9  | \$21.76 |
| 31100    | 1/2 X 6    | \$15.99 |
| 31240    | 1/2 X 9    | \$20.00 |
| 31360    | 1/2 X 12   | \$29.37 |
| 31440    | 1/2 X 19   | \$37.05 |
| 31110    | 17/32 X 6  | \$19.58 |
| 31250    | 17/32 X 9  | \$22.19 |
| 31120    | 9/16 X 6   | \$24.55 |
| 31260    | 9/16 X 9   | \$26.20 |
| 31370    | 9/16 X 12  | \$38.77 |
| 31450    | 9/16 X 19  | \$38.24 |
| 31130    | 5/8 X 6    | \$24.88 |
| 31270    | 5/8 X 9    | \$26.67 |
| 31380    | 5/8 X 12   | \$39.95 |
| 31460    | 5/8 X 19   | \$39.80 |
| 31140    | 21/32 X 6  | \$28.08 |
| 31280    | 21/32 X 9  | \$31.02 |
| 31150    | 11/16 X 6  | \$28.08 |
| 31290    | 11/16 X 9  | \$31.02 |
| 31390    | 11/16 X 13 | \$40.39 |
| 31470    | 11/16 X 19 | \$47.03 |
| 31160    | 3/4 X 6    | \$30.59 |
| 31300    | 3/4 X 9    | \$33.53 |
| 31400    | 3/4 X 13   | \$41.72 |
| 31480    | 3/4 X 19   | \$51.73 |
| 31170    | 13/16 X 6  | \$34.07 |
| 31320    | 13/16 X 9  | \$44.12 |
| 31410    | 13/16 X 13 | \$47.03 |
| 31180    | 27/32 X 6  | \$35.25 |
| 31310    | 27/32 X 9  | \$45.83 |
| 31420    | 27/32 X 13 | \$47.98 |
| 31190    | 7/8 X 6    | \$35.25 |
| 31330    | 7/8 X 9    | \$51.19 |
| 31430    | 7/8 X 13   | \$48.02 |

### Percussion Core Drills Type 605

#### Multiple Insert - Spiral Flute

#### Carbide tipped.

These rugged Percussion Core Bits are designed for the heavy-duty hammer-action electric tools. The special carbide tips used are designed for continuous hammering action and matched with extra tough alloy bodies to give maximum drilling life under the most demanding conditions.



| Part No. | Size   | Price    |
|----------|--------|----------|
| 30000    | 1-INCH | \$97.58  |
| 30010    | 1-1/8  | \$101.85 |
| 30020    | 1-1/4  | \$109.68 |
| 30030    | 1-1/2  | \$141.31 |
| 30040    | 1-3/4  | \$185.76 |
| 30050    | 2-INCH | \$199.03 |
| 30060    | 2-1/2  | \$245.13 |
| 30070    | 2-3/4  | \$280.38 |
| 30080    | 3-INCH | \$303.54 |
| 30090    | 3-1/2  | \$355.59 |
| 30100    | 4-INCH | \$399.45 |
| 30110    | 4-1/2  | \$452.68 |



| Pilot Drill |       |         |
|-------------|-------|---------|
| Part No.    | Size  | Price   |
| 30120       | PILOT | \$23.66 |

### Glass & Tile Drills Type 626

#### Carbide Tip with Spear Point

These drills are designed for drilling in glass, tile, mirrors and ceramic materials. The spear point allows clean penetration with reduced cutting pressure and breakout. The carbide tip insures long tool life. Fits drills with 3/8" or large chucks. Individually packaged in clear hanging tubes.



| Part No. | Size | Price   |
|----------|------|---------|
| 56510    | 1/8  | \$10.75 |
| 56520    | 5/32 | \$10.92 |
| 56530    | 3/16 | \$8.65  |
| 56540    | 1/4  | \$9.34  |
| 56550    | 5/16 | \$11.38 |
| 56560    | 3/8  | \$15.24 |
| 56570    | 1/2  | \$21.73 |

| Set Type 626 |      |         |
|--------------|------|---------|
| Part No.     | Size | Price   |
| 56580        | GT-4 | \$40.14 |

# Masonry Tools

## Impact Hammer Drills, Spline Bits, Diamond Tipped Twist Drills

### Impact Hammer Drills

#### Type 606

##### "Slot Drive System"

These impact hammer drills are designed to fit all rotary hammers that specify an SDS shank. Positive drive slots deliver maximum torque and hammering energy for faster drilling.

| Type 606 |           |         |
|----------|-----------|---------|
| Part No. | Size      | Price   |
| 58990    | 3/16 X 4  | \$10.39 |
| 33000    | 3/16 X 6  | \$10.68 |
| 33010    | 1/4 X 4   | \$10.48 |
| 33020    | 1/4 X 6   | \$10.84 |
| 33030    | 5/16 X 6  | \$12.87 |
| 33040    | 5/16 X 9  | \$15.56 |
| 33050    | 5/16 X 12 | \$21.01 |
| 33060    | 3/8 X 6   | \$13.08 |
| 33070    | 3/8 X 9   | \$17.17 |
| 33080    | 3/8 X 12  | \$21.52 |
| 33090    | 3/8 X 20  | \$32.49 |
| 33100    | 7/16 X 6  | \$15.31 |
| 33110    | 7/16 X 12 | \$21.92 |
| 33120    | 7/16 X 18 | \$20.46 |
| 33130    | 1/2 X 6   | \$17.38 |
| 33140    | 1/2 X 9   | \$23.74 |
| 33150    | 1/2 X 12  | \$22.92 |
| 33160    | 1/2 X 18  | \$34.13 |
| 33170    | 9/16 X 6  | \$21.23 |
| 33180    | 9/16 X 9  | \$22.94 |
| 33190    | 9/16 X 12 | \$28.18 |
| 33200    | 9/16 X 18 | \$33.26 |
| 33210    | 5/8 X 6   | \$28.47 |
| 33220    | 5/8 X 9   | \$25.22 |
| 33230    | 5/8 X 12  | \$32.53 |
| 33240    | 5/8 X 18  | \$39.47 |
| 33260    | 3/4 X 9   | \$35.12 |
| 33270    | 3/4 X 12  | \$37.76 |
| 33280    | 3/4 X 18  | \$50.20 |
| 33300    | 27/32 X 9 | \$64.59 |
| 33310    | 7/8 X 9   | \$45.22 |
| 33320    | 7/8 X 12  | \$51.45 |
| 33330    | 7/8 X 18  | \$64.59 |
| 33340    | 1 X 12    | \$55.48 |
| 33350    | 1 X 18    | \$73.94 |

### Impact Hammer Drills

#### Type 609

##### Extra Heavy-Duty

A straight shank impact hammer bit is designed for use in the hard hitting impact tools using a Jacobs type chuck. These extra tough bits will give outstanding performance in the roughest drilling applications.

| Type 609 |            |         |
|----------|------------|---------|
| Part No. | Size       | Price   |
| 30450    | 1/8 X 2    | \$4.70  |
| 30470    | 5/32 X 3   | \$5.24  |
| 30460    | 11/64 X 3  | \$5.30  |
| 30480    | 3/16 X 3   | \$5.19  |
| 30490    | 3/16 X 4   | \$5.30  |
| 30500    | 3/16 X 6   | \$5.51  |
| 30510    | 13/64 X 3  | \$5.61  |
| 30520    | 7/32 X 4   | \$5.51  |
| 30530    | 1/4 X 4    | \$5.51  |
| 30540    | 1/4 X 6    | \$6.10  |
| 30780    | 1/4 X 12   | \$14.66 |
| 30550    | 9/32 X 4   | \$6.57  |
| 30560    | 5/16 X 4   | \$6.52  |
| 30580    | 5/16 X 6A  | \$7.64  |
| 30590    | 5/16 X 6B  | \$7.64  |
| 30790    | 5/16 X 12  | \$15.72 |
| 30570    | 3/8 X 4    | \$7.06  |
| 30600    | 3/8 X 6A   | \$8.45  |
| 30610    | 3/8 X 6B   | \$8.45  |
| 30800    | 3/8 X 12A  | \$18.15 |
| 30810    | 3/8 X 12B  | \$18.15 |
| 30900    | 3/8 X 18A  | \$21.82 |
| 30910    | 3/8 X 18B  | \$21.82 |
| 30620    | 7/16 X 6   | \$11.06 |
| 30630    | 15/32 X 6  | \$11.06 |
| 30640    | 1/2 X 6A   | \$11.24 |
| 30650    | 1/2 X 6B   | \$11.24 |
| 30820    | 1/2 X 12   | \$21.34 |
| 30920    | 1/2 X 18   | \$26.67 |
| 30660    | 9/16 X 6   | \$12.52 |
| 30830    | 9/16 X 12  | \$23.97 |
| 30930    | 9/16 X 18  | \$30.16 |
| 30670    | 5/8 X 6    | \$14.55 |
| 30840    | 5/8 X 12   | \$25.14 |
| 30940    | 5/8 X 18   | \$31.45 |
| 30680    | 11/16 X 6  | \$15.94 |
| 30850    | 11/16 X 12 | \$29.37 |
| 30950    | 11/16 X 18 | \$34.71 |
| 30690    | 3/4 X 6    | \$19.19 |
| 30860    | 3/4 X 12   | \$32.04 |
| 30960    | 3/4 X 18   | \$35.52 |
| 30700    | 13/16 X 6  | \$23.85 |
| 30710    | 27/32 X 6  | \$24.77 |
| 30720    | 7/8 X 6    | \$22.31 |
| 30870    | 7/8 X 12   | \$35.30 |
| 30970    | 7/8 X 18   | \$42.26 |
| 30730    | 1 X 6      | \$26.67 |
| 30880    | 1 X 12     | \$38.72 |
| 30440    | 1 X 18     | \$52.08 |
| 30740    | 1-1/8 X 6  | \$38.36 |
| 30890    | 1-1/8 X 12 | \$47.65 |
| 30430    | 1-1/8 X 18 | \$53.38 |
| 30750    | 1-1/4      | \$46.00 |
| 30760    | 1-3/8      | \$48.02 |
| 30770    | 1-1/2      | \$58.78 |

### Spline Bits

#### Types 614

##### Spline Bits - Heavy-Duty

Percussion grade carbide tip with extra strength shank for the most demanding hammer drill applications.



| Part No. | Size        | Price    |
|----------|-------------|----------|
| 47540    | 3/8 X 11    | \$48.24  |
| 47550    | 1/2 X 11    | \$50.41  |
| 47560    | 5/8 X 11    | \$52.74  |
| 47570    | 3/4 X 11    | \$59.79  |
| 47580    | 1-INCH X 11 | \$85.88  |
| 47590    | 1-1/8 X 11  | \$107.41 |

Packaged quantity is 1

### Spline Bits

#### Types 615

##### Spline Bits - Heavy-Duty

Percussion grade carbide tip with extra strength shank for the most demanding hammer drill applications.



| Part No. | Size        | Price    |
|----------|-------------|----------|
| 47600    | 3/8 X 17    | \$65.77  |
| 47610    | 1/2 X 17    | \$63.33  |
| 47620    | 9/16 X 17   | \$65.61  |
| 47630    | 5/8 X 17    | \$68.15  |
| 47640    | 11/16 X 17  | \$68.00  |
| 47650    | 3/4 X 17    | \$70.68  |
| 47660    | 7/8 X 17    | \$80.81  |
| 47670    | 1-INCH X 17 | \$82.84  |
| 47680    | 1-1/8 X 17  | \$108.17 |
| 47690    | 1-1/4 X 17  | \$138.13 |
| 47700    | 1-1/2 X 17  | \$156.41 |

Packaged quantity is 1

### Spline Bits

#### Types 616

##### Spline Bits - Heavy-Duty

Percussion grade carbide tip with extra strength shank for the most demanding hammer drill applications.



| Part No. | Size        | Price    |
|----------|-------------|----------|
| 47710    | 1/2 X 23    | \$84.51  |
| 47720    | 5/8 X 23    | \$89.60  |
| 47730    | 3/4 X 23    | \$90.64  |
| 47740    | 7/8 X 23    | \$98.58  |
| 47750    | 1-INCH X 23 | \$114.94 |
| 47760    | 1-1/8 X 23  | \$116.32 |
| 47770    | 1-1/4 X 23  | \$146.01 |
| 47780    | 1-1/2 X 23  | \$170.62 |

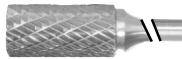
Packaged quantity is 1

# Premium Carbide Burrs

SA Cylinder Shape - NO End Cut, SB Cylinder Shape - with End Cut, SC Cylinder Shape - Radius End, SD Ball Shape, SE Oval /Egg Shape

## SA - Cylinder Shape

No End Cut - Double Cut



DOUBLE CUT



ALUMA CUT

### Cylinder Shape - No End Cut - Double Cut

| Part No. | Size  | Price    |
|----------|-------|----------|
| 17079    | SA-41 | \$7.86   |
| 17089    | SA-42 | \$7.86   |
| 17099    | SA-43 | \$7.86   |
| 17109    | SA-11 | \$16.48  |
| 17119    | SA-12 | \$16.48  |
| 17129    | SA-52 | \$15.48  |
| 17139    | SA-13 | \$16.48  |
| 17149    | SA-14 | \$16.48  |
| 17159    | SA-51 | \$14.14  |
| 17169    | SA-1  | \$13.85  |
| 17209    | SA-2  | \$17.66  |
| 17219    | SA-3  | \$18.14  |
| 17249    | SA-3X | \$36.59  |
| 17269    | SA-4  | \$26.85  |
| 17279    | SA-5  | \$27.99  |
| 17309    | SA-6  | \$45.18  |
| 17329    | SA-15 | \$59.89  |
| 17339    | SA-16 | \$57.53  |
| 17349    | SA-7  | \$61.65  |
| 17369    | SA-8  | \$101.41 |
| 17379    | SA-9  | \$109.70 |

### Cylinder Shape - No End Cut - Alumina

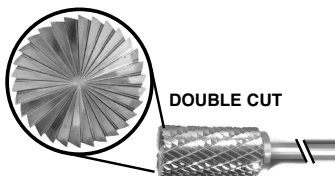
| Part No. | Size   | Price   |
|----------|--------|---------|
| 17199    | SA-1NF | \$20.12 |
| 17259    | SA-3NF | \$25.67 |
| 17299    | SA-5NF | \$37.12 |
| 17319    | SA-6NF | \$56.57 |
| 17359    | SA-7NF | \$78.89 |

### Cylinder Shape - Extended Shank Length

| Part No. | Size   | Price   |
|----------|--------|---------|
| 17179    | SA-1L  | \$15.47 |
| 17189    | SA-1L6 | \$25.14 |
| 17229    | SA-3L  | \$24.18 |
| 17239    | SA-3L6 | \$28.92 |
| 17289    | SA-5L6 | \$39.13 |

## SB - Cylinder Shape

With End Cut - Double Cut



DOUBLE CUT

### Cylinder Shape - With End Cut - Double Cut

| Part No. | Size  | Price   |
|----------|-------|---------|
| 17409    | SB-41 | \$7.86  |
| 17419    | SB-42 | \$7.86  |
| 17429    | SB-43 | \$7.86  |
| 17439    | SB-11 | \$17.27 |
| 17449    | SB-12 | \$17.07 |
| 17459    | SB-13 | \$17.07 |
| 17469    | SB-14 | \$16.19 |
| 17479    | SB-51 | \$13.85 |
| 17489    | SB-1  | \$14.75 |
| 17509    | SB-2  | \$19.24 |
| 17519    | SB-3  | \$19.72 |
| 17539    | SB-3X | \$41.20 |
| 17549    | SB-4  | \$28.88 |

## SB - Cylinder Shape

With End Cut - Double Cut

### Cylinder Shape - Double Cut

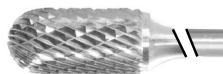
| Part No. | Size  | Price    |
|----------|-------|----------|
| 17559    | SB-5  | \$31.91  |
| 17569    | SB-6  | \$48.95  |
| 17579    | SB-15 | \$76.15  |
| 17589    | SB-16 | \$70.53  |
| 17599    | SB-7  | \$70.53  |
| 17619    | SB-8  | \$100.85 |
| 17629    | SB-9  | \$114.46 |

### Cylinder Shape- 6" Extended Shank Length

| Part No. | Size  | Price   |
|----------|-------|---------|
| 17499    | SB-1L | \$18.25 |
| 17529    | SB-3L | \$29.51 |

## SC - Cylinder Shape

Radius End



DOUBLE CUT



ALUMA CUT

### Cylinder Shape - Radius End - Double Cut

| Part No. | Size  | Price    |
|----------|-------|----------|
| 17659    | SC-41 | \$7.86   |
| 17669    | SC-42 | \$7.86   |
| 17679    | SC-11 | \$7.86   |
| 17689    | SC-12 | \$17.66  |
| 17699    | SC-52 | \$16.08  |
| 17709    | SC-13 | \$16.79  |
| 17719    | SC-53 | \$16.08  |
| 17729    | SC-14 | \$17.66  |
| 17739    | SC-51 | \$14.57  |
| 17749    | SC-1  | \$15.44  |
| 17759    | SC-1L | \$16.36  |
| 17789    | SC-2  | \$20.47  |
| 17799    | SC-3  | \$20.47  |
| 17809    | SC-3L | \$26.38  |
| 17829    | SC-3X | \$43.39  |
| 17849    | SC-4  | \$28.82  |
| 17859    | SC-5  | \$31.52  |
| 17889    | SC-6  | \$44.64  |
| 17929    | SC-7  | \$66.83  |
| 17949    | SC-9  | \$123.93 |
| 17909    | SC-15 | \$64.64  |
| 17919    | SC-16 | \$75.22  |

### Cylinder Shape - Radius End - Alumina

| Part No. | Size   | Price   |
|----------|--------|---------|
| 17779    | SC-1NF | \$20.30 |
| 17839    | SC-3NF | \$27.46 |
| 17879    | SC-5NF | \$40.89 |
| 17899    | SC-6NF | \$63.49 |
| 17939    | SC-7NF | \$93.51 |

### Cylinder Shape - Radius End - 6" Extended Shank Length

| Part No. | Size   | Price   |
|----------|--------|---------|
| 17769    | SC-1L6 | \$25.85 |
| 17819    | SC-3L6 | \$30.68 |
| 17869    | SC-5L6 | \$42.47 |

## SD - Ball Shape



DOUBLE CUT

### Ball Shape - Double Cut

| Part No. | Size  | Price   |
|----------|-------|---------|
| 17979    | SD-41 | \$7.86  |
| 17989    | SD-42 | \$7.12  |
| 18009    | SD-11 | \$17.66 |
| 18019    | SD-53 | \$15.29 |
| 18029    | SD-14 | \$15.29 |
| 18039    | SD-51 | \$13.85 |
| 18049    | SD-1  | \$14.60 |
| 18079    | SD-2  | \$16.67 |
| 18089    | SD-3  | \$17.83 |
| 18119    | SD-4  | \$21.95 |
| 18129    | SD-5  | \$22.75 |
| 18159    | SD-6  | \$35.83 |
| 18179    | SD-7  | \$47.69 |
| 18199    | SD-9  | \$89.56 |

### Ball Shape - Alumina

| Part No. | Size   | Price   |
|----------|--------|---------|
| 18069    | SD-1NF | \$20.12 |
| 18109    | SD-3NF | \$24.60 |
| 18149    | SD-5NF | \$36.23 |
| 18169    | SD-6NF | \$51.83 |
| 18189    | SD-7NF | \$73.76 |

### Ball Shape - 6" Extended Shank Length

| Part No. | Size   | Price   |
|----------|--------|---------|
| 18059    | SD-1L6 | \$25.85 |
| 18099    | SD-3L6 | \$28.83 |
| 18139    | SD-5L6 | \$36.59 |

## SE - Oval / Egg Shape



DOUBLE CUT



ALUMA CUT

### Oval / Egg Shape - Double Cut

| Part No. | Size  | Price   |
|----------|-------|---------|
| 18239    | SE-41 | \$7.86  |
| 18249    | SE-53 | \$16.08 |
| 18259    | SE-11 | \$17.07 |
| 18269    | SE-51 | \$13.85 |
| 18279    | SE-1  | \$18.12 |
| 18299    | SE-3  | \$22.04 |
| 18329    | SE-5  | \$31.08 |
| 18359    | SE-6  | \$47.48 |
| 18379    | SE-7  | \$63.68 |

### Oval / Egg Shape - Alumina

| Part No. | Size   | Price   |
|----------|--------|---------|
| 18319    | SE-3NF | \$28.35 |
| 18349    | SE-5NF | \$43.34 |
| 18369    | SE-6NF | \$61.12 |
| 18389    | SE-7NF | \$75.54 |

### Oval / Egg Shape- 6" Extended Shank Length

| Part No. | Size   | Price   |
|----------|--------|---------|
| 18289    | SE-1L6 | \$29.58 |
| 18309    | SE-3L6 | \$34.25 |
| 18339    | SE-5L6 | \$43.73 |

Proudly Manufactured in the U.S.A.

Order : 1-800-328-4655

# Premium Carbide Burrs

Proudly Manufactured in the U.S.A.

Order : 1-800-328-4655

SF Tree Shape Radius, SG Pointed Tree Shape, SK 60Cone Shape, SL Taper Shape Radius 14Included Angle, SM Pointed Cone Shape, SN Inverted Cone Shape

## SF - Tree Shape Radius



DOUBLE CUT



ALUMA CUT

### Tree Shape Radius - Double Cut

| Part No. | Size  | Price   |
|----------|-------|---------|
| 18429    | SF-41 | \$7.86  |
| 18439    | SF-42 | \$7.12  |
| 18449    | SF-11 | \$17.51 |
| 18459    | SF-53 | \$16.08 |
| 18469    | SF-51 | \$13.85 |
| 18479    | SF-1  | \$16.17 |
| 18509    | SF-3  | \$20.51 |
| 18539    | SF-4  | \$27.14 |
| 18549    | SF-13 | \$29.12 |
| 18559    | SF-5  | \$28.94 |
| 18589    | SF-6  | \$42.67 |
| 18609    | SF-7  | \$61.11 |
| 18629    | SF-14 | \$86.01 |
| 18649    | SF-15 | \$92.32 |

### Tree Shape Radius - Aluma

| Part No. | Size    | Price    |
|----------|---------|----------|
| 18499    | SF-1NF  | \$20.97  |
| 18529    | SF-3NF  | \$27.46  |
| 18579    | SF-5NF  | \$37.66  |
| 18599    | SF-6NF  | \$59.54  |
| 18619    | SF-7NF  | \$83.96  |
| 18639    | SF-14NF | \$101.80 |

### Tree Shape Radius - 6" Extended Shank Length

| Part No. | Size   | Price   |
|----------|--------|---------|
| 18489    | SF-1L6 | \$27.69 |
| 18519    | SF-3L6 | \$31.20 |
| 18569    | SF-5L6 | \$40.17 |

## SG - Pointed Tree Shape



DOUBLE CUT

### Pointed Tree Shape - Double Cut

| Part No. | Size  | Price   |
|----------|-------|---------|
| 18679    | SG-41 | \$7.86  |
| 18689    | SG-42 | \$7.86  |
| 18699    | SG-43 | \$7.12  |
| 18709    | SG-44 | \$7.86  |
| 18719    | SG-53 | \$15.29 |
| 18729    | SG-51 | \$13.85 |
| 18739    | SG-1  | \$16.55 |
| 18759    | SG-2  | \$22.20 |
| 18769    | SG-3  | \$20.78 |
| 18789    | SG-13 | \$29.11 |
| 18799    | SG-5  | \$28.88 |
| 18819    | SG-6  | \$41.78 |
| 18829    | SG-7  | \$58.61 |
| 18839    | SG-15 | \$93.59 |

### Pointed Tree Shape - 6" Extended Shank Length

| Part No. | Size   | Price   |
|----------|--------|---------|
| 18749    | SF-1L6 | \$27.09 |
| 18779    | SF-3L6 | \$31.18 |
| 18809    | SF-5L6 | \$39.54 |

## SJ - 60° Cone Shape

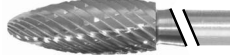


DOUBLE CUT

### 60Cone Shape - Double Cut

| Part No. | Size  | Price   |
|----------|-------|---------|
| 18979    | SJ-42 | \$7.86  |
| 18989    | SJ-1  | \$15.07 |
| 18999    | SJ-3  | \$18.23 |
| 19009    | SJ-5  | \$22.50 |
| 19019    | SJ-6  | \$39.78 |
| 19029    | SJ-7  | \$50.06 |
| 19039    | SJ-9  | \$84.42 |

## SH - Flame Shape



DOUBLE CUT

### Flame Shape - Double Cut

| Part No. | Size  | Price   |
|----------|-------|---------|
| 18869    | SH-41 | \$7.86  |
| 18879    | SH-53 | \$16.67 |
| 18889    | SH-1  | \$16.72 |
| 18899    | SH-2  | \$19.80 |
| 18919    | SH-5  | \$29.25 |
| 18939    | SH-6  | \$67.44 |
| 18949    | SH-7  | \$89.04 |

### Flame Shape - 6" Extended Shank Length

| Part No. | Size   | Price   |
|----------|--------|---------|
| 18909    | SH-2L6 | \$30.74 |
| 18929    | SH-5L6 | \$51.83 |

## SK - 90° Cone Shape



DOUBLE CUT

### 90Cone Shape - Double Cut

| Part No. | Size  | Price   |
|----------|-------|---------|
| 19069    | SK-42 | \$7.86  |
| 19079    | SK-1  | \$16.08 |
| 19089    | SK-3  | \$18.48 |
| 19099    | SK-5  | \$22.50 |
| 19109    | SK-6  | \$39.78 |
| 19119    | SK-7  | \$50.06 |
| 19129    | SK-9  | \$84.42 |

## SL - Taper Shape Radius 14° Included Angle



DOUBLE CUT

### Taper Shape Radius 14° Included Angle

| Part No. | Size  | Price   |
|----------|-------|---------|
| 19159    | SL-41 | \$7.86  |
| 19169    | SL-42 | \$7.86  |
| 19179    | SL-53 | \$16.08 |
| 19189    | SL-1  | \$16.38 |
| 19209    | SL-2  | \$21.38 |
| 19219    | SL-3  | \$24.76 |
| 19249    | SL-4  | \$32.10 |
| 19279    | SL-5  | \$56.07 |
| 19299    | SL-6  | \$54.98 |
| 19319    | SL-7  | \$79.05 |

### Taper Shape Radius 14Included Angle - Aluma Cut

| Part No. | Size   | Price    |
|----------|--------|----------|
| 19239    | SL-3NF | \$31.64  |
| 19269    | SL-4NF | \$40.67  |
| 19289    | SL-5NF | \$76.90  |
| 19309    | SL-6NF | \$85.60  |
| 19329    | SL-7NF | \$103.33 |

### Taper Shape Radius 14Included Angle - Extra Length

| Part No. | Size   | Price   |
|----------|--------|---------|
| 19199    | SL-1L6 | \$29.97 |
| 19229    | SL-3L6 | \$37.10 |
| 19259    | SL-4L6 | \$42.21 |

## SM - Pointed Cone Shape



DOUBLE CUT

### Pointed Cone Shape - Double Cut

| Part No. | Size  | Price   |
|----------|-------|---------|
| 19359    | SM-41 | \$7.86  |
| 19369    | SM-42 | \$7.12  |
| 19379    | SM-43 | \$7.12  |
| 19389    | SM-53 | \$15.48 |
| 19399    | SM-51 | \$13.85 |
| 19409    | SM-1  | \$15.82 |
| 19419    | SM-2  | \$17.29 |
| 19429    | SM-3  | \$18.43 |
| 19439    | SM-4  | \$24.34 |
| 19449    | SM-5  | \$31.35 |
| 19459    | SM-6  | \$48.50 |

## SN - Inverted Cone Shape



DOUBLE CUT

### Inverted Cone Shape - Double Cut

| Part No. | Size  | Price   |
|----------|-------|---------|
| 19489    | SN-41 | \$7.86  |
| 19499    | SN-42 | \$7.12  |
| 19509    | SN-53 | \$17.27 |
| 19519    | SN-51 | \$13.85 |
| 19529    | SN-1  | \$14.93 |
| 19539    | SN-2  | \$28.29 |
| 19549    | SN-4  | \$29.38 |
| 19559    | SN-6  | \$54.01 |
| 19569    | SN-7  | \$71.98 |

## Premium Carbide Double Cut Burr Sets

### Burrs Set A - 9 pc. ....\$143.78

Part #19669 Double Cut:

SA-51, SB-51, SC-51, SD-51, SE-51, SF-51, SG-51, SM-51, SN-51

### Burrs Set B - 9 pc. ....\$211.11

Part #19649 Double Cut:

SA-1, SA-3, SA-5, SC-1, SC-3, SC-5, SF-1, SF-3, SF-5

### Burrs Set C - 9 pc. ....\$210.86

Part #19639 Double Cut:

SB-1, SB-3, SB-5, SD-1, SD-3, SD-5, SE-1, SE-3, SE-5

### Burrs Set D - 9 pc. ....\$217.51

Part #19629 Double Cut:

SB-1, SB-3, SB-5, SC-1, SC-3, SC-5SF-1, SF-3, SF-5

### Burrs Set E - 8 pc. ....\$243.40

Part #19619 Double Cut:

SA-5, SC-5, SD-5, SE-5, SG-5, SH-5, SK-5, SM-5

### Burrs Set F - 8 pc. ....\$236.33

Part #19609 Double Cut:

SB-5, SC-5, SD-5, SF-5, SG-5, SH-5, SJ-5, SK-5

## Premium Carbide Double & Aluma Cut Burr Displays

### Burrs Display - 48 pc.

Part #19689 .....\$1281.70

Double Cut: (1/8 SHANK)

SA-51DC, SB-51DC, SC-51DC, SD-51DC, SE-51DC, SF-51DC, SG-51DC, SM-51DC, SN-51DC

Double Cut: (1/4 SHANK)

SA-1DC, SA-3DC, SA-5DC, SC-1DC, SC-3DC, SC-5DC, SD-1DC, SD-3DC, SD-5DC, SE-1DC, SE-3DC, SE-5DC SF-1DC, SF-3DC, SF-5DC, SG-1DC, SG-3DC, SG-5DC, SL-4DC, SL-3DC, SL-1DC, SM-5DC, SM-4DC, SM-3DC

Aluma Cut: (1/4 SHANK)

SA-1NF, SA-3NF, SA-5NF, SC-1NF, SC-3NF, SC-5NF SD-5NF, SD-3NF, SE-5NF, SE-3NF, SF-5NF, SF-3NF, SF-1FM, SL-4NF, SL-3NF

### Burrs Display - 24 pc.

Part #19679 .....\$661.40

Double Cut: (1/4 SHANK)

SA-5DC, SA-3DC, SA-1DC, SC-5DC, SC-3DC, SC-1DC, SD-5DC, SD-3DC, SD-1DC, SE-5DC, SE-3DC, SE-1DC, SF-5DC, SF-3DC, SF-1DC, SG-5DC, SG-3DC, SG-1DC, SL-4DC, SL-3DC, SL-1DC, SM-5DC, SM-4DC, SM-3DC

### Drill Sets

#### Type 170-AG

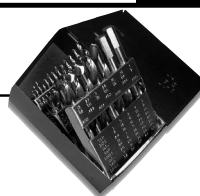
**Metric Jobber**  
Length 135° Split  
Point Black & Gold  
Magnum Super  
Premium



| Part No. | Size    | Price    |
|----------|---------|----------|
| 58650    | SP-11M  | \$30.47  |
| 49042    | SP-13M  | \$45.98  |
| 58920    | SP-19M  | \$83.25  |
| 58660    | SP-25M  | \$152.17 |
| 49043    | SP-41M  | \$279.80 |
| 60090    | SP-118M | \$627.17 |

#### Type 175-AG

**Mechanics Length**  
135° Split Point  
3-Flats on Shank  
3/16 and larger  
Black & Gold Magnum Super Premium



| Part No. | Size                        | Price    |
|----------|-----------------------------|----------|
| 66460    | SPM-13                      | \$35.85  |
| 66470    | SPM-15                      | \$101.64 |
| 57810    | SPM-21                      | \$89.90  |
| 66480    | SPM-29                      | \$184.78 |
| 66820    | SPM-29P (Black Ultra Dex)   | \$187.15 |
| 67650    | SPM-29PO (Orange Ultra Dex) | \$187.15 |

#### Type 178-AG

**Mechanic Length - 3/8" Reduced Shank**  
Magnum Super Premium

Same as Type 175-AG except with 3/8" reduced shanks.

| Part No. | Size                         | Price    |
|----------|------------------------------|----------|
| 57910    | RSPM-15                      | \$109.80 |
| 92340    | SPM-21R                      | \$124.89 |
| 57920    | RSPM-29                      | \$200.91 |
| 57950    | RSPM-29P (Black Ultra Dex)   | \$203.26 |
| 58150    | RSPM-29PO (Orange Ultra Dex) | \$203.26 |

#### Type QR-AG Sets

**1/4" Hex Shank - Quick Release Drills**  
135° Split Pt. Magnum Super Premium



**34811**  
Hard case



**34812**  
Soft Pouch



**34803/34804**  
Soft Pouch

#### Quick Release Sets

| Part No.                                                    | Size                                                                                                                     | Price    |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------|
| 34811                                                       | 1/16, 3/32, 1/8, 5/32,<br>3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2<br>& Quick Release Adaptor                               | \$118.45 |
| 34812                                                       | 1/16, 3/32, 1/8, 5/32,<br>3/16, 7/32, 1/4, 9/32, 5/16,<br>11/32, 3/8, 13/32, 7/16, 15/32, 1/2<br>& Quick Release Adaptor | \$156.61 |
| 34803                                                       | 1/16, 3/32, 1/8, 5/32,<br>3/16, 7/32, 1/4                                                                                | \$52.48  |
| Sets QR-7A and QR-7B do not include Quick Release Adaptors. |                                                                                                                          |          |
| 34804                                                       | 1/8, 3/16, 1/4, 5/16,<br>3/8, 7/16, 1/2                                                                                  | \$72.78  |

#### Type 190-AG

**Jobber Length - 135° Split Point**  
Black & Gold Magnum Super Premium



| Part No. | Size                                 | Price    |
|----------|--------------------------------------|----------|
| 44110    | SP-13                                | \$32.94  |
| 44120    | SP-15                                | \$90.59  |
| 44130    | SP-21                                | \$83.24  |
| 88660    | SP-26                                | \$174.54 |
| 44150    | SP-29                                | \$164.90 |
| 44170    | SP-29P (Ultra Dex)                   | \$170.18 |
| 44190    | SP-29PON<br>Blaze Orange (Ultra Dex) | \$170.18 |
| 88640    | SP-60                                | \$134.26 |
| 93840    | SP-115                               | \$487.38 |
| 06510    | TRI-1SP                              | \$29.78  |

#### Type 128-AG

**Jobber Length - Black & Gold**  
3/8" Shank - 135° Split Point  
Heavy-Duty  
Super Premium



| Part No. | Size                | Price    |
|----------|---------------------|----------|
| 92110    | RSP-15              | \$101.33 |
| 92100    | RSP-29              | \$186.37 |
| 92150    | RSP-29P (Ultra Dex) | \$191.69 |
| 92170    | SP-21R              | \$118.18 |

#### Type 190-GFR

**3-flats on Shank**  
3/8" reduced Shank

Same as Type 190-GF except with 3/8" reduced shanks.

| Part No. | Size    | Price    |
|----------|---------|----------|
| 40631    | GF-21RS | \$126.74 |
| 40641    | GF-29RS | \$201.86 |
| 40651    | GF29RSP | \$204.22 |

#### Type 190

**Jobber Length - Heavy-Duty**  
Black Oxide - 135° Split Point



| Part No. | Size            | Price    |
|----------|-----------------|----------|
| 43330    | A-10            | \$23.80  |
| 43320    | A-11            | \$40.96  |
| 43340    | A-13            | \$31.12  |
| 43350    | A-15            | \$87.06  |
| 43360    | A-21            | \$78.17  |
| 43370    | A-26            | \$157.15 |
| 43380    | A-29            | \$160.63 |
| 60590    | A-29P Ultra Dex | \$165.62 |
| 43390    | A-60            | \$125.54 |
| 43420    | A-115           | \$477.15 |

**Black Oxide - 135° Split Point**  
In Plastic Case

| Part No. | Size   | Price   |
|----------|--------|---------|
| 44870    | PL-7A  | \$24.56 |
| 44880    | PL-10A | \$29.20 |
| 44890    | PL-13A | \$36.67 |

#### Type 115

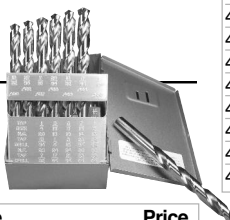
**Black Oxide -**  
General Purpose



| Part No. | Size  | Price    |
|----------|-------|----------|
| 42000    | B-10  | \$20.64  |
| 42010    | B-11  | \$42.13  |
| 42020    | B-13  | \$29.20  |
| 42030    | B-15  | \$80.82  |
| 42040    | B-20  | \$50.26  |
| 42050    | B-21  | \$71.84  |
| 42060    | B-26  | \$148.62 |
| 42070    | B-29  | \$149.70 |
| 42080    | B-60  | \$105.88 |
| 43300    | B-80  | \$250.31 |
| 43310    | B-114 | \$443.76 |
| 43440    | B-115 | \$438.71 |

#### Type 190-GF

**Gold-Strike™**  
3-Flats on Shank  
3/16" and larger



| Part No. | Size               | Price    |
|----------|--------------------|----------|
| 40611    | GF-13              | \$37.60  |
| 40612    | GF-15              | \$102.03 |
| 40613    | GF-21              | \$91.54  |
| 40604    | GF-29              | \$182.54 |
| 40614    | GF-29P (Ultra Dex) | \$187.85 |

# Drill Sets

Cobalt, TiN Coated, Titanium Carbon Nitride (TiCN), Aluminum Titanium Nitride (TiAlN), Parabolic TiN Coated

## Drill Sets

### Type 100

Jobber Length  
Bright Finish  
General Purpose



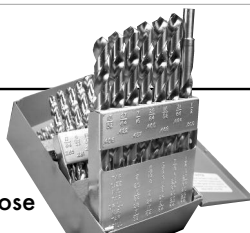
| Part No. | Size  | Price    |
|----------|-------|----------|
| 43400    | J-10  | \$20.64  |
| 43410    | J-11  | \$42.13  |
| 43430    | J-13  | \$29.20  |
| 43450    | J-15  | \$80.82  |
| 43460    | J-20  | \$50.26  |
| 43480    | J-21  | \$71.84  |
| 43500    | J-26  | \$148.62 |
| 43520    | J-29  | \$149.70 |
| 43540    | J-60  | \$105.88 |
| 43550    | J-115 | \$438.71 |
| 43570    | TRI-1 | \$27.58  |

Bright Finish with Clear Plastic case

| Part No. | Size  | Price   |
|----------|-------|---------|
| 44267    | PL-7  | \$15.04 |
| 44277    | PL-10 | \$20.20 |
| 44287    | PL-13 | \$25.73 |

### Type 128

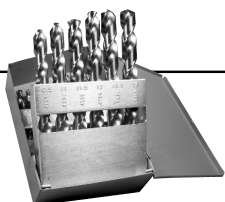
V-Line  
3/8" Shank  
Bright Finish  
General Purpose



| Part No. | Size  | Price    |
|----------|-------|----------|
| 44540    | R-15  | \$92.06  |
| 44530    | R-29  | \$165.80 |
| 44550    | R-29P | \$171.12 |
| 44520    | R-115 | \$455.79 |

### Type 150-M

Cobalt Jobber  
Length - Metric  
NAS 907-J



| Part No. | Size  | Price    |
|----------|-------|----------|
| 58670    | D-11M | \$45.38  |
| 49082    | D-13M | \$62.73  |
| 49081    | D-19M | \$134.75 |
| 58680    | D-25M | \$246.91 |
| 49083    | D-41M | \$447.24 |

### Type 120

1/4" Shank -  
General  
Purpose  
118° point



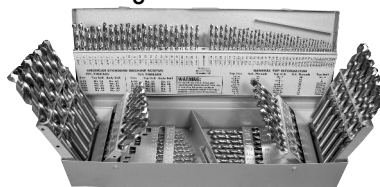
| Part No. | Size | Price    |
|----------|------|----------|
| 43580    | Q-15 | \$86.06  |
| 43600    | Q-21 | \$77.28  |
| 43620    | Q-29 | \$162.35 |

1/4" Shank - Plastic Pouch

| Part No. | Size  | Price   |
|----------|-------|---------|
| 47080    | DC-4N | \$34.08 |
| 47090    | DC-5N | \$37.04 |

### Type 150

M42 Cobalt - NAS 907-J  
Jobber Length - Gold Finish



| Part No. | Size            | Price    |
|----------|-----------------|----------|
| 68320    | D-13            | \$54.39  |
| 68340    | D-15            | \$163.06 |
| 68310    | D-20            | \$77.83  |
| 68360    | D-21            | \$144.28 |
| 68380    | D-26            | \$272.31 |
| 68400    | D-29            | \$306.30 |
| 68410    | D-29P Ultra Dex | \$312.62 |
| 68420    | D-60            | \$195.34 |
| 69280    | D-115           | \$773.94 |

### Type 190-AN

TiN Coated  
Jobber Length  
-135° Split Point



| Part No. | Size                               | Price      |
|----------|------------------------------------|------------|
| 88670    | AN-13                              | \$70.86    |
| 88680    | AN-15                              | \$175.60   |
| 96740    | AN-21                              | \$175.15   |
| 96690    | AN-29                              | \$333.55   |
| 96770    | AN-29PON<br>Blaze Orange Ultra Dex | \$341.49   |
| 96700    | AN-60                              | \$284.68   |
| 95110    | AN-115                             | \$1,027.79 |

### Type 190-ACN

Titanium Carbon Nitride (TiCN)  
Jobber Length -135° Split Point

| Part No. | Size    | Price    |
|----------|---------|----------|
| 81182    | TICN-15 | \$198.55 |
| 81152    | TICN-21 | \$198.33 |
| 81162    | TICN-29 | \$378.20 |

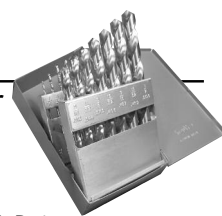
### Type 190-ALN

Aluminum Titanium Nitride (TiAlN)  
Jobber Length -135° Split Point

| Part No. | Size   | Price    |
|----------|--------|----------|
| 81150    | ALN-15 | \$198.55 |
| 81160    | ALN-21 | \$198.33 |
| 81180    | ALN-29 | \$378.20 |

### Type 100-BN

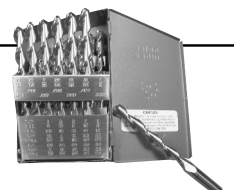
TiN Coated Jobber  
Length -  
General Purpose  
Super High  
Performance - 118° Point



| Part No. | Size   | Price    |
|----------|--------|----------|
| 48310    | BN-13  | \$67.63  |
| 48320    | BN-15  | \$167.55 |
| 48360    | BN-20  | \$130.97 |
| 48640    | BN-26  | \$301.23 |
| 48330    | BN-29  | \$317.58 |
| 48340    | BN-60  | \$271.02 |
| 48350    | BN-115 | \$980.31 |

### Type 190-PT

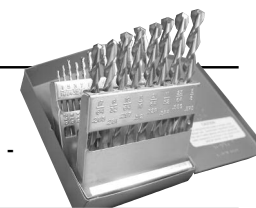
Jobber Length -  
Heavy-Duty  
Parabolic - TiN  
Coated



| Part No. | Size  | Price    |
|----------|-------|----------|
| 68090    | PT-13 | \$74.87  |
| 68110    | PT-15 | \$184.38 |
| 68130    | PT-21 | \$185.06 |
| 68160    | PT-29 | \$350.73 |

### Type 190-P

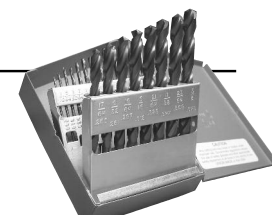
Heavy-Duty -  
Parabolic Flute  
135° Split Point -  
Black Oxide



| Part No. | Size | Price    |
|----------|------|----------|
| 68080    | P-13 | \$38.21  |
| 68100    | P-15 | \$102.29 |
| 68120    | P-21 | \$92.83  |
| 68150    | P-29 | \$188.12 |

### Type 198

Heavy-Duty  
Black Oxide  
135° Split Point



| Part No. | Size  | Price    |
|----------|-------|----------|
| 06072    | SA-13 | \$28.80  |
| 06082    | SA-15 | \$80.73  |
| 06092    | SA-21 | \$72.97  |
| 06102    | SA-29 | \$147.82 |

Proudly Manufactured in the U.S.A.

### Drill Sets

#### Type 118

V-Line  
Black Oxide -  
General Purpose



| Part No. | Size  | Price    |
|----------|-------|----------|
| 06073    | SJ-13 | \$26.71  |
| 06083    | SJ-15 | \$74.42  |
| 06093    | SJ-21 | \$67.39  |
| 06103    | SJ-29 | \$135.64 |

#### Type 191

CAD-HD  
V-Line  
Heavy-Duty  
Black Oxide



| Part No. | Size    | Price    |
|----------|---------|----------|
| 43342    | CAD-13A | \$28.94  |
| 43352    | CAD-15A | \$78.41  |
| 43362    | CAD-21A | \$70.98  |
| 43382    | CAD-29A | \$141.45 |

#### Type 183-AG

Magnum Super  
Premium  
Acrylic Drills



| Part No. | Size | Price   |
|----------|------|---------|
| 31580    | AD-7 | \$80.16 |

#### Type 135-AG

Screw Machine  
Length -  
Black & Gold  
Magnum Super  
Premium



| Part No. | Size   | Price    |
|----------|--------|----------|
| 66850    | SPT-26 | \$186.65 |
| 66490    | SPT-29 | \$158.13 |
| 23560    | SPT-60 | \$140.77 |

#### Type 135-TN

TiN Coated  
Screw Machine  
Length -  
Heavy-Duty  
135° Split Point



| Part No. | Size  | Price    |
|----------|-------|----------|
| 96680    | TN-29 | \$318.00 |
| 96730    | TN-60 | \$284.42 |

#### Type 135

Screw Machine  
Length  
Black Oxide  
- Heavy-Duty  
135° Split Point



| Part No. | Size | Price    |
|----------|------|----------|
| 43660    | T-10 | \$23.78  |
| 43670    | T-11 | \$45.79  |
| 43690    | T-13 | \$30.35  |
| 43710    | T-21 | \$76.01  |
| 43730    | T-29 | \$154.73 |
| 43750    | T-60 | \$114.99 |

#### Type 260

Screw Machine  
High-Speed Steel  
- General  
Purpose 118° Pt.



| Part No. | Size  | Price    |
|----------|-------|----------|
| 10390    | SM-29 | \$154.10 |
| 35210    | SM-60 | \$130.35 |

#### Type 260-BN Sets

HSS 118° Point  
TiN Coated

| Part No. | Size   | Price    |
|----------|--------|----------|
| 25243    | SMN-29 | \$226.24 |
| 25253    | SMN-60 | \$235.96 |

#### Type 130-AG

135° Split Point  
1/2" Shank -  
Silver & Deming  
Black & Gold  
Heavy-Duty Super Premium



| Part No. | Size    | Price      |
|----------|---------|------------|
| 12250    | S&D-4SP | \$173.95   |
| 92400    | S&D-8SP | \$391.95   |
| 92401    | S&D33SP | \$1,427.18 |

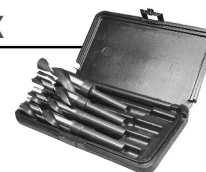
#### Type 150-N

TiN Coated NAS 907J

| Part No. | Size   | Price      |
|----------|--------|------------|
| 79890    | DN-13  | \$85.32    |
| 79900    | DN-15  | \$221.17   |
| 79910    | DN-21  | \$208.48   |
| 79930    | DN-26  | \$374.75   |
| 79920    | DN-29  | \$424.39   |
| 79940    | DN-60  | \$341.53   |
| 79950    | DN-115 | \$1,175.74 |

#### Type 130-AGX

1/2" Shank -  
Silver & Deming  
Premium 3-Flats  
on Shank 118°  
Split Point



| Part No. | Size     | Price    |
|----------|----------|----------|
| 74771    | S&D-4AGX | \$144.95 |
| 74781    | S&D-8AGX | \$350.06 |

#### Type 130-MRO

Maintenance Length  
Silver & Deming, 135° Split Point

| Part No. | Size     | Price    |
|----------|----------|----------|
| 54520    | S&D-4MRO | \$161.51 |

#### Type 130

1/2" Shank -  
Silver & Deming  
118° General  
Purpose



| Part No. | Size   | Price      |
|----------|--------|------------|
| 12260    | S&D-4  | \$154.63   |
| 43200    | S&D-8  | \$359.85   |
| 43201    | S&D-33 | \$1,292.18 |

#### Type 130-D Sets

1/2" Shank M42 Cobalt  
135° Split Point

| Part No. | Size  | Price    |
|----------|-------|----------|
| 29551    | S&D-4 | \$288.71 |
| 29571    | S&D-8 | \$654.36 |

#### Type 170

Jobber Length -  
METRIC  
General Purpose  
- Black Oxide



| Part No. | Size | Price    |
|----------|------|----------|
| 44050    | M-11 | \$28.08  |
| 44180    | M-13 | \$43.05  |
| 44060    | M-25 | \$149.28 |

#### Type 134-AG 1/2" Shank

4-Flute Core Drill - Hole Hog™  
Super Premium - 3-Flats on Shank



| Part No. | Size    | Price    |
|----------|---------|----------|
| 38860    | SP-6HHS | \$141.74 |
| 38870    | SP-6HHL | \$175.25 |
| 38880    | SP-8HH  | \$204.87 |

# Displays, Counter, Sets, Stocking Cases, Dispensers

## Displays, Stocking Cases Spira-Broach™

### Displays

#### Type 925

##### Fractional Drills 300

##### Piece Assortment

This assortment is complete with glass front display pictured on the right side of this page. The case stocks 29 fractional sizes - 1/16" thru 1/2" by 64ths - each size in a separate compartment. Individual compartments are plainly marked with drill sizes. Drills will be attractively displayed yet secure with the glass locking cover.



| Part No. | Size               | Price      |
|----------|--------------------|------------|
| 06490    | 300-SP             | \$1,087.69 |
| 06520    | 300-HD             | \$1,045.86 |
| 54720    | 300-BR             | \$976.41   |
| 54750    | 300-BL             | \$976.41   |
| 57640    | 300SPM             | \$1,160.65 |
| 57641    | 300RSPM            | \$1,261.46 |
| 68460    | 300-D              | \$1,905.52 |
| 40632    | 300-GF             | \$1,198.94 |
| 45150    | DISPLAY ONLY (VGA) | \$204.52   |

##### Accessories

| Part No. | Size       | Price   |
|----------|------------|---------|
| 58350    | Lock & Key | \$18.63 |

### Counter Displays/Sets

#### Silver & Deming Drills

Stocking cases/ Display with drills.



S&D-13 and S&D-13SP



S&D 8SPA

##### Silver & Deming

| Part No. | Size                  | Price    |
|----------|-----------------------|----------|
| 00940    | SD 8 SPA              | \$570.63 |
| 00934    | Display Only (SD-CAB) | \$328.87 |
| 43202    | S & D-13              | \$637.76 |
| 92402    | S & D-13SP            | \$699.48 |

### Annular Cutters

Countertop display with clear Lexan front.



| Part No. | Type                  | Price      |
|----------|-----------------------|------------|
| 00943    | SB-20 Type 15         | \$2,498.10 |
| 00944    | SB-20HS Type 14       | \$1,685.86 |
| 00949    | SB-20SP Type 13       | \$1,530.71 |
| 00939    | Display Only (SB-CAB) | \$365.60   |

### Step Drill

#### Type 78-ACN Sets

| Part No. | Size         | Price    |
|----------|--------------|----------|
| 65411    | 3/16-7/8     | \$198.24 |
| 65421    | 9/16-1"      | \$186.77 |
| 65431    | 1/4-3/4      | \$176.78 |
| 65441    | 4 pcs. EL-4N | \$358.34 |

### Counter Displays/Sets

#### Car Reamers

Counter Display: with 8 reamers 3/8" thru 1".

Sets: contain 4 reamers in hard shell case



CR8SPA

##### Type 50-AG Standard Flute

| Part No. | Size            | Price    |
|----------|-----------------|----------|
| 00941    | Reamer (CR8SPA) | \$932.64 |

| Type 50-AG          | Standard Flute | Set      |
|---------------------|----------------|----------|
| 12270               | CR-4SP         | \$315.69 |
| Set contains 1 each |                |          |

##### Type 51-AG Fast Spiral with Collar

| Part No. | Size   | Price      |
|----------|--------|------------|
| 00942    | CR8FSA | \$1,001.37 |

| Type 51-AG          | Fast Spiral | Set      |
|---------------------|-------------|----------|
| 12271               | CR-4FS      | \$348.33 |
| Set contains 1 each |             |          |

|       |                       |          |
|-------|-----------------------|----------|
| 00934 | Display Only (SD-CAB) | \$328.87 |
|-------|-----------------------|----------|

### Spira-Broach™ Annular Cutter Sets

One each in 9/16, 11/16, 13/16, 15/16, 1 1/16. Includes 2 Pilot Pins.



5 Piece Set

##### SB-5 1" Length

| Part No. | Type | Price    |
|----------|------|----------|
| 15301    | 15   | \$527.09 |
| 16901    | 14   | \$335.20 |
| 16624    | 13   | \$293.95 |

##### SB-5 2" Length

| Part No. | Type  | Price    |
|----------|-------|----------|
| 15302    | 15L   | \$745.76 |
| 16902    | 14L   | \$484.00 |
| 16629    | 13LSP | \$436.02 |

### Step Drill

#### Type 78-AG Sets

| Part No. | Size                     | Price    |
|----------|--------------------------|----------|
| 01911    | 1/4 - 3/4                | \$104.39 |
| 01921    | 13/16 - 7/8"             | \$119.16 |
| 01931    | Electricians 7/8 - 1-1/8 | \$164.17 |
| 01941    | 9/16 - 1"                | \$111.11 |
| 01981    | 4 pcs Set EL-4N          | \$230.87 |



### Step Drill

#### Type 78-AGN Sets

| Part No. | Size                     | Price    |
|----------|--------------------------|----------|
| 01811    | 1/4 - 3/4                | \$137.42 |
| 01821    | 3/16 - 7/8"              | \$155.80 |
| 01831    | Electricians 7/8 - 1-1/8 | \$186.20 |
| 01841    | 9/16 - 1"                | \$145.74 |
| 01871    | 4 pcs Set EL-4N          | \$298.62 |



### Stocking Cases

#### Closed Drawer All-Steel Stocking Units with Drills

Stocking cases for Fractional, Wire Gauge, Letter, and Metric drills.



##### Fractional Drills - 96 Piece Assortment

| Part No. | Size    | Price    |
|----------|---------|----------|
| 06500    | 96-SP   | \$490.08 |
| 16010    | 96-HD   | \$471.22 |
| 37270    | 96-SPM  | \$514.58 |
| 54690    | 96-BR   | \$454.00 |
| 54760    | 96-BL   | \$454.00 |
| 68440    | 96-D    | \$767.76 |
| 37271    | 96-RSPM | \$561.15 |

##### Wire Gauge Drills - 249 Piece Assortment

| Part No. | Size   | Price    |
|----------|--------|----------|
| 16030    | 249-HD | \$512.14 |
| 35070    | 249-SP | \$560.56 |
| 54700    | 249-BR | \$477.17 |
| 54770    | 249-BL | \$477.17 |

##### Letter Drills - 72 Piece Assortment

| Part No. | Size  | Price    |
|----------|-------|----------|
| 16020    | 72-HD | \$457.13 |
| 35080    | 72-SP | \$491.40 |
| 54710    | 72-BR | \$454.00 |
| 54780    | 72-BL | \$454.00 |

##### Metric Drills - 91 Piece Assortment

| Part No. | Size  | Price    |
|----------|-------|----------|
| 18910    | 91-SP | \$563.95 |

### Drill Dispensers

#### Type 914

Empty drill dispensers for Fractional, Wire, and Letter sized drills.



| Part No. | Size               | Price    |
|----------|--------------------|----------|
| 08930    | DM-25 - Metric     | \$157.95 |
| 44920    | DF-29 - Fractional | \$167.45 |
| 44930    | DN-60 - Wire       | \$201.87 |
| 44940    | DL-26 - Letter     | \$167.45 |
| 43203    | DSD-42 - S&D       | \$204.94 |
| 57890    | 29-DMT             | \$186.63 |

### Step Drill

#### Type 78-QR Quick Release Sets

| Part No. | Size                     | Price    |
|----------|--------------------------|----------|
| 01441    | 1/8 - 7/8                | \$129.48 |
| 01451    | 1/4 - 3/4                | \$114.71 |
| 01461    | Electricians 7/8 & 1-1/8 | \$154.54 |

### Step Drill

#### Type 78-QRN Quick Release Sets

| Part No. | Size        | Price    |
|----------|-------------|----------|
| 68561    | 1/8 - 7/8   | \$189.53 |
| 68571    | 1/8 - 3/4   | \$141.07 |
| 68581    | 1/8 - 1-1/8 | \$230.22 |

### Silver & Deming Cabinets Type 914

#### Huot Model 13166

Holds 2 each Reduced Shank S & D bits from 33/64ths to 63/64ths by 64ths.

| Part No. | Size                                      | Price    |
|----------|-------------------------------------------|----------|
| 00950    | 14-5/8 W x 7-3/8 D x 7-3/4 H<br>(SD63/64) | \$242.55 |

#### Huot Model 13167

Holds 2 each: Reduced Shank S & D bits from 1, 1-1/32, 1-1/16, 1-1/8, 1-5/32, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16 7 1-1/2.

| Part No. | Size                                      | Price    |
|----------|-------------------------------------------|----------|
| 00951    | 14-5/8 W x 7-3/8 D x 7-3/4 H<br>(SD1-1/2) | \$216.46 |

### Master Drill Dispensers Type 914

All steel cabinet with vinyl dividers to help protect and separate bits.



#### Huot Model 13175 - US Size Drills

| Part No. | Size                              | Price    |
|----------|-----------------------------------|----------|
| 00682    | 1/16 - 1/2 by 64ths, #1-60<br>A-Z | \$818.91 |

#### Huot Model 13180 - Metric Size Drills

| Part No. | Size                   | Price    |
|----------|------------------------|----------|
| 00681    | .35 thru 13.0 by .05mm | \$818.91 |

### Master Tap Dispensers Type 914

Holds most common NC/NF sizes from 1/4" to 1-1/2".



#### Huot Model 13585

| Part No. | Size            | Price    |
|----------|-----------------|----------|
| 01321    | 2.5mm thru 30mm | \$848.92 |

#### Huot Model 13580

| Part No. | Size             | Price    |
|----------|------------------|----------|
| 01322    | 1/4-20 thru 1-14 | \$958.46 |

### Master Tap Dispensers

#### Type 914

Holds all sizes of National Pipe Taps (NPT) from 1/16 to 2.



#### Huot Model 13560

| Part No. | Size                                  | Price    |
|----------|---------------------------------------|----------|
| 01323    | National Pipe Taps (NPT)<br>1/16 to 2 | \$197.15 |

Holds Metric Taps, Drills and Dies.  
From 2.5 x .45 taps to 12.0 x 1.75 taps.

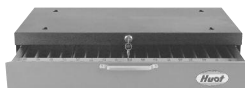
#### Huot Model 13595 METRIC

| Part No. | Size/Metric                                              | Price    |
|----------|----------------------------------------------------------|----------|
| 01324    | 2.5 x .45 to 12.0 x 1.75<br>Taps & Dies w/ correct Drill | \$197.15 |

### Under-Mount Dispensers

#### Type 914

The latest thing in organizing, sorting, storing and securing your cutting tools. The outer shell can be mounted underneath a work bench, desk, shelf, inside a cabinet, just about anywhere. The drawer has a cam-lock to keep your cutting tools safely stored.



| Part No. | Size               | Price    |
|----------|--------------------|----------|
| 01021    | Fractional (DD-29) | \$297.31 |
| 01022    | Wire Gauge (DD-60) | \$323.39 |
| 01023    | Letter (DD-26)     | \$297.31 |
| 01024    | Empty (DD-00)      | \$234.71 |

### Drill Stands

#### Type 914



#### Huot Model 826 Letter Sizes

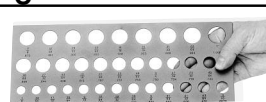
| Part No. | Size                       | Price  |
|----------|----------------------------|--------|
| 01011    | Letter sizes A -Z. (DS-26) | \$8.84 |

#### Huot Model 829 Fractional Sizes

| Part No. | Size                                                      | Price  |
|----------|-----------------------------------------------------------|--------|
| 01012    | Fractional drills 1/16 to 1/2 by 64ths inclusive. (DS-29) | \$8.84 |

### Drill Gauges

#### Type 914



#### Huot Model 9092

Wire: #1-60

| Part No. | Size              | Price   |
|----------|-------------------|---------|
| 58522    | 6" W x 3" D (WDG) | \$16.48 |

#### Huot Model 12260

Small: 1/16 - 1/2 x 64

| Part No. | Size                 | Price  |
|----------|----------------------|--------|
| 58520    | 51/4" W x 2" D (FDG) | \$4.79 |

#### Huot Model 12280

Large: 1/2 - 1 x 64

| Part No. | Size                | Price   |
|----------|---------------------|---------|
| 58521    | 13" W x 5" D (LGDG) | \$23.56 |

### Stocked Counter Displays

Contains carbon steel taps & dies. Compact metal case attractively displays complete assortment of carbon steel taps, dies and wrenches.

Locking scratch proof Lexan front reduces pilferage and keeps merchandise clean.



#### Display - Round

| Part No. | Size            | Price      |
|----------|-----------------|------------|
| 50010    | 252-PCR (Round) | \$1,615.94 |

#### Display - Hex

| Part No. | Size          | Price      |
|----------|---------------|------------|
| 50210    | 252-PCH (Hex) | \$1,615.94 |

### Tap & Die Countertop Displays

#### Magnum Super Premium

Stocked displays contain an assortment of Premium HSS taps and dies.



#### 53 Piece, Straight Flute Taps & Hex Dies

| Part No. | Size      | Price      |
|----------|-----------|------------|
| 35150    | 53-SF     | \$1,006.33 |
| 45000    | Case Only | \$442.08   |

#### 55 Piece, Spiral Point Taps & Hex Dies

| Part No. | Size      | Price      |
|----------|-----------|------------|
| 35160    | 55-SP     | \$1,127.46 |
| 45000    | Case Only | \$442.08   |

# Tap & Drill Assortments, Display Packages & Indexes

## Tap & Drill Assortments, Indexes

### Display Packages

#### Type 175-AG

##### Mechanics Length Drills

##### Magnum Super Premium

Super premium drills in attractive, strong selling displays. All drills are packed on blue cards with scanable barcode. The complete super premium drill feature/benefit story is printed on the cards.

Display prices are 15% lower than the combined prices of individual drills. 1/16 thru 1/8 sizes are packed 3 per card and 9/64 thru 1/4 are packed 2 per card. 178-AG drills with flattened reduced shanks are used where indicated. All displays contain an attractive header card and 1/4" peg board fasteners.



| Type 175-AG Displays |           |          |
|----------------------|-----------|----------|
| Part No.             | Size      | Price    |
| 81641                | DC72SP    | \$231.94 |
| 81631                | DC116SP   | \$393.00 |
| 81651                | DC145SP   | \$438.10 |
| Part No.             | Size      | Price    |
| 14120                | Rack Only | \$42.23  |

### Carbide Tipped Holecutter Display

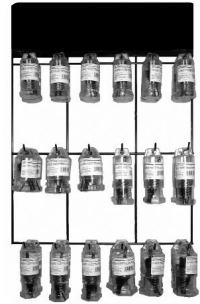
#### Type CHC-AG

##### Super Premium

Easily cuts large diameter holes in pipe and steel plate up to 1" thick. 18 piece display contains rack, one of each CHC-AG holecutters:

13/16, 7/8, 15/16, 1", 1-1/16, 1-1/8, 1-3/16, 1-1/4, and 1-3/8.

And one of each CHD-AG holecutters: 13/16, 7/8, 15/16, 1", 1-1/16, 1-1/8, 1-3/16, 1-1/4, and 1-3/8.



62700 Hanging Display **\$1,072.70**

### Tap & Drill Assortments

#### Magnum Super Premium

Special Hi - Tungsten and Hi - Molybdenum tool steels, gold surface treated for maximum lubricity. Recommended for use in production tapping and drilling of work hardening grades of stainless steel and other hard metal applications. Precision ground tap threads for the ultimate in accuracy and performance.



#### 67 pcs. Spiral Point Taps & Jobber Length Drills

| Part No. | Size  | Price    |
|----------|-------|----------|
| 35121    | 67-SP | \$461.29 |

#### 123 pcs. Spiral Point Taps & Jobber Length Drills

| Part No. | Size   | Price    |
|----------|--------|----------|
| 35120    | 123-SP | \$878.76 |

#### 123 pcs. Straight Flute Taps & Jobber Length Drills

| Part No. | Size   | Price    |
|----------|--------|----------|
| 35110    | 123-SF | \$854.27 |

|       |                       |          |
|-------|-----------------------|----------|
| 35100 | Display Only (DTD-29) | \$167.45 |
|-------|-----------------------|----------|

### Indexes Only

#### Type 901

##### Jobber Indexes

| Part No. | Description | Price   |
|----------|-------------|---------|
| 57450    | I-7         | \$28.86 |
| 43870    | I-11        | \$9.80  |
| 43760    | I-13        | \$6.72  |
| 49044    | I-13M       | \$15.08 |
| 43770    | I-15        | \$12.18 |
| 43780    | I-20        | \$8.80  |
| 43790    | I-21        | \$12.18 |
| 43880    | I-25        | \$14.82 |
| 43800    | I-26        | \$14.82 |
| 43810    | I-29        | \$14.82 |
| 49049    | I-41        | \$55.70 |
| 43860    | I-60        | \$12.00 |
| 43940    | I-115       | \$76.24 |
| 43850    | H-13        | \$5.12  |

#### Silver & Deming Indexes

| Part No. | Description | Price   |
|----------|-------------|---------|
| 57440    | ISD-8SP     | \$85.38 |
| 43930    | I-SD        | \$81.31 |
| 12240    | PL-4SD      | \$19.33 |
| 12243    | PL-8SD      | \$22.55 |
| 57430    | A-33        | \$92.03 |

#### Plastic Indexes & Cases

| Part No. | Description | Price   |
|----------|-------------|---------|
| 44000    | I-13PL      | \$10.12 |
| 44020    | I-25TDI     | \$14.24 |
| 44040    | I-40TDI     | \$55.22 |
| 61670    | I-58TDI     | \$58.90 |

#### Screw Machine Indexes

| Part No. | Description | Price   |
|----------|-------------|---------|
| 43890    | S-13        | \$10.77 |
| 43900    | S-21        | \$19.63 |
| 43980    | S-26        | \$21.24 |
| 43910    | S-29        | \$14.35 |
| 23250    | I-29SPT     | \$19.64 |
| 43920    | S-60        | \$16.93 |

### Black Indexes - ID Plate Slot continued

#### Jobber Indexes

| Part No. | Description | Price   |
|----------|-------------|---------|
| 28580    | I-3SP       | \$28.24 |
| 57420    | I-7SP       | \$18.78 |
| 57460    | I-13SP      | \$9.05  |
| 57470    | I-15SP      | \$16.11 |
| 57480    | I-21SP      | \$15.87 |
| 99860    | I-21SPR     | \$18.79 |
| 58930    | I-25SP      | \$18.79 |
| 57490    | I-26SP      | \$18.79 |
| 57500    | I-29SP      | \$18.79 |
| 57510    | I-60SP      | \$16.11 |
| 57520    | I-115SP     | \$80.55 |

#### Tap & Drill Indexes

| Part No. | Description | Price    |
|----------|-------------|----------|
| 58320    | I-10TD      | \$107.41 |
| 58502    | I-12TD      | \$10.32  |
| 57570    | I-18TD      | \$16.92  |
| 57980    | I-18TDM     | \$17.46  |
| 58000    | I-18TDF     | \$16.92  |

#### Drill & Extractor Index

| Part No. | Description | Price   |
|----------|-------------|---------|
| 58330    | I-BRSP      | \$18.96 |
| 58331    | I-BRSQ      | \$18.96 |

#### Hole Hog Index

| Part No. | Description | Price   |
|----------|-------------|---------|
| 38850    | I-8HH       | \$38.40 |

#### Tap Indexes

| Part No. | Description | Price   |
|----------|-------------|---------|
| 61640    | I-10T       | \$25.51 |
| 61630    | I-19T       | \$25.51 |

#### Spotweld Index

| Part No. | Description | Price   |
|----------|-------------|---------|
| 35000    | I-6WO       | \$13.85 |
| 16040    | I-4WO       | \$10.12 |

# Index - Norseman/CTD Drill and Tool

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| 115             | B-10     | 5-6, 59 | 190-GF           | GF-13                                                                                        | 3, 59       | 128              | R-15                                                                                          | 5, 60       |
|                 | B-11     | 5-6, 59 |                  | GF-15                                                                                        | 3, 59       |                  | R-29                                                                                          | 5, 60       |
|                 | B-13     | 5-6, 59 |                  | GF-21                                                                                        | 3, 59       |                  | R-29P                                                                                         | 5, 60       |
|                 | B-15     | 5-6, 59 |                  | GF-29                                                                                        | 3, 59       |                  | R-115                                                                                         | 5, 60       |
|                 | B-20     | 5-6, 59 |                  | GF-29P                                                                                       | 3, 59       | 128-AG           | RSP-15                                                                                        | 2, 59       |
|                 | B-21     | 5-6, 59 | 190-GF           | GF-21RS                                                                                      | 3, 59       |                  | RSP-29                                                                                        | 2, 59       |
|                 | B-26     | 5-6, 59 |                  | GF-29RS                                                                                      | 3, 59       | Black Ultra Dex  | RSP-29P                                                                                       | 2, 59       |
|                 | B-29     | 5-6, 59 |                  | GF-29RSP                                                                                     | 3, 59       |                  | SP-21R                                                                                        | 2, 59       |
|                 | B-60     | 5-6, 59 | 190-P            | P-13                                                                                         | 22, 60      | 130              | S & D-4                                                                                       | 25, 61      |
|                 | B-80     | 5-6, 59 |                  | P-15                                                                                         | 22, 60      |                  | S & D-8                                                                                       | 25, 61      |
|                 | B-114    | 5-6, 59 |                  | P-21                                                                                         | 22, 60      |                  | S & D-13                                                                                      | 25, 61      |
|                 | B-115    | 5-6, 59 |                  | P-29                                                                                         | 22, 60      |                  | S & D-33                                                                                      | 25, 61      |
| 190             | A-10     | 3, 59   | 190-PT           | PT-13                                                                                        | 22, 60      | 130-D M42        | S & D-4                                                                                       | 25, 61      |
|                 | A-11     | 3, 59   |                  | PT-15                                                                                        | 22, 60      |                  | S & D-8                                                                                       | 25, 61      |
|                 | A-13     | 3, 59   |                  | PT-21                                                                                        | 22, 60      | 130-MRO          | S & D-4MRO                                                                                    | 25, 61      |
|                 | A-15     | 3, 59   |                  | PT-29                                                                                        | 22, 60      | 130-AG           | S & D-4SP                                                                                     | 24, 61      |
|                 | A-21     | 3, 59   | 190-CT           | CT-13                                                                                        | 1, 59       |                  | S & D-8SP                                                                                     | 24, 61      |
|                 | A-26     | 3, 59   |                  | CT-15                                                                                        | 1, 59       |                  | S & D-13SP                                                                                    | 24, 61      |
|                 | A-29     | 3, 59   | Red Ultra Dex    | CT-15P                                                                                       | 1, 59       |                  | S & D-33SP                                                                                    | 24, 61      |
|                 | A-29P    | 3, 59   |                  | CT-29                                                                                        | 1, 59       | 130-AGX          | S & D-4UBX                                                                                    | 25, 61      |
|                 | A-60     | 3, 59   | Red Ultra Dex    | CT-29P                                                                                       | 1, 59       |                  | S & D-8UBX                                                                                    | 25, 61      |
|                 | A-115    | 3, 59   | 190-AG           | SP-13                                                                                        | 1, 59       | 134-AG           | SP-6HHS                                                                                       | 48, 61      |
| 190-AL          | LF-8     | 48      |                  | SP-15                                                                                        | 1, 59       |                  | SP-6HHL                                                                                       | 48, 61      |
|                 | LF-12    | 48      |                  | SP-21                                                                                        | 1, 59       |                  | SP-8HH                                                                                        | 48, 61      |
|                 | LF-13    | 48      |                  | SP-26                                                                                        | 1, 59       | 420              | BR-8                                                                                          | 48          |
|                 | LF-15    | 48      |                  | SP-29                                                                                        | 1, 59       |                  | BR-10                                                                                         | 48          |
|                 | LF-17    | 48      | Black Ultra Dex  | SP-29P                                                                                       | 1, 59       | 421-AG           | SQE-4                                                                                         | 48          |
|                 | LF-29    | 48      | Orange Ultra Dex | SP-29PON                                                                                     | 1, 59       |                  | BR-8SQ                                                                                        | 48          |
| Black Ultra Dex | LF-29P   | 48      |                  | SP-60                                                                                        | 1, 59       | 170              | M-11                                                                                          | 27, 61      |
| 190-AN          | AN-13    | 11, 60  |                  | SP-115                                                                                       | 1, 59       |                  | M-13                                                                                          | 27, 61      |
|                 | AN-15    | 11, 60  |                  | TRI-1SP                                                                                      | 1, 59       |                  | M-25                                                                                          | 27, 61      |
|                 | AN-21    | 11, 60  | 191              | CAD-13A                                                                                      | 15, 61      | 150-M            | D-11M                                                                                         | 28, 60      |
|                 | AN-29    | 11, 60  |                  | CAD-15A                                                                                      | 15, 61      |                  | D-13M                                                                                         | 28, 60      |
| Black Ultra Dex | AN-29PON | 11, 60  |                  | CAD-21A                                                                                      | 15, 61      |                  | D-19M                                                                                         | 28, 60      |
|                 | AN-60    | 11, 60  |                  | CAD-29A                                                                                      | 15, 61      |                  | D-25M                                                                                         | 28, 60      |
|                 | AN-115   | 11, 60  | 118              | SJ-13                                                                                        | 6, 61       |                  | D-41M                                                                                         | 28, 60      |
| 190-ACN         | ACN-15   | 11, 60  |                  | SJ-15                                                                                        | 6, 61       | 150-N            | DN-13                                                                                         | 10, 60      |
|                 | ACN-21   | 11, 60  |                  | SJ-21                                                                                        | 6, 61       |                  | DN-15                                                                                         | 10, 60      |
|                 | ACN-29   | 11, 60  |                  | SJ-29                                                                                        | 6, 61       |                  | DN-21                                                                                         | 10, 60      |
| 190-ALN         | ALN-15   | 12, 60  | 198              | SA-13                                                                                        | 3, 60       |                  | DN-26                                                                                         | 10, 60      |
|                 | ALN-21   | 12, 60  |                  | SA-15                                                                                        | 3, 60       |                  | DN-29                                                                                         | 10, 60      |
|                 | ALN-29   | 12, 60  |                  | SA-21                                                                                        | 3, 60       |                  | DN-60                                                                                         | 10, 60      |
| 100             | J-10     | 4, 60   |                  | SA-29                                                                                        | 3, 60       |                  | DN-115                                                                                        | 10, 60      |
|                 | J-11     | 4, 60   | 175-AG           | SPM-13                                                                                       | 14, 59      | 170-AG           | SP-11M                                                                                        | 26, 59      |
|                 | J-13     | 4, 60   |                  | SPM-15                                                                                       | 14, 59      |                  | SP-13M                                                                                        | 26, 59      |
|                 | J-15     | 4, 60   |                  | SPM-21                                                                                       | 14, 59      |                  | SP-19M                                                                                        | 26, 59      |
|                 | J-20     | 4, 60   |                  | SPM-29                                                                                       | 14, 59      |                  | SP-25M                                                                                        | 26, 59      |
|                 | J-21     | 4, 60   | Black Ultra Dex  | SPM-29P                                                                                      | 14, 59      |                  | SP-41M                                                                                        | 26, 59      |
|                 | J-26     | 4, 60   | Orange Ultra Dex | SPM-29PO  | 14, 59      |                  | SP-118M                                                                                       | 26, 59      |
|                 | J-29     | 4, 60   | 178-AG           | RSPM-15                                                                                      | 15, 59      |                  |                                                                                               |             |
|                 |          |         |                  | SPM-21R                                                                                      | 15, 59      |                  |                                                                                               |             |

# Decimal Equivalent Chart

| Drill Size | Decimal | Drill Size | Decimal | Drill Size | Decimal | Drill Size | Decimal | Drill Size | Decimal |
|------------|---------|------------|---------|------------|---------|------------|---------|------------|---------|
| 00.10      | .0039   | 54         | .0550   | 25         | .1495   | H          | .2660   | 29/64      | .4531   |
| 97         | .0059   | 01.40      | .0551   | 03.80      | .1496   | 06.80      | .2677   | 11.80      | .4646   |
| 96         | .0063   | 01.45      | .0571   | 24         | .1520   | 06.90      | .2717   | 15/32      | .4688   |
| 95         | .0067   | 01.50      | .0591   | 03.90      | .1535   | I          | .2720   | 12.00      | .4724   |
| 94         | .0071   | 53         | .0595   | 23         | .1540   | 07.00      | .2756   | 12.20      | .4803   |
| 93         | .0075   | 01.55      | .0610   | 5/32       | .1562   | J          | .2770   | 31/64      | .4844   |
| 92         | .0079   | 1/16       | .0625   | 22         | .1570   | 07.10      | .2795   | 12.50      | .4921   |
| 00.20      | .0079   | 01.60      | .0630   | 04.00      | .1575   | K          | .2810   | 1/2        | .5000   |
| 91         | .0083   | 52         | .0635   | 21         | .1590   | 9/32       | .2812   | 13.00      | .5118   |
| 90         | .0087   | 01.65      | .0650   | 20         | .1610   | 07.20      | .2835   | 33/64      | .5156   |
| 89         | .0091   | 01.70      | .0669   | 04.10      | .1614   | 07.30      | .2874   | 17/32      | .5312   |
| 88         | .0095   | 51         | .0670   | 04.20      | .1654   | L          | .2900   | 13.50      | .5315   |
| 87         | .0100   | 01.75      | .0689   | 19         | .1660   | 07.40      | .2913   | 35/64      | .5469   |
| 86         | .0105   | 50         | .0700   | 04.30      | .1693   | M          | .2950   | 14.00      | .5512   |
| 85         | .0110   | 01.80      | .0709   | 18         | .1695   | 07.50      | .2953   | 9/16       | .5625   |
| 84         | .0115   | 01.85      | .0728   | 11/64      | .1719   | 19/64      | .2969   | 14.50      | .5709   |
| 00.30      | .0118   | 49         | .0730   | 17         | .1730   | 07.60      | .2992   | 37/64      | .5781   |
| 83         | .0120   | 01.90      | .0748   | 04.40      | .1732   | N          | .3020   | 15.00      | .5906   |
| 82         | .0125   | 48         | .0760   | 16         | .1770   | 07.70      | .3031   | 19/32      | .5938   |
| 81         | .0130   | 01.95      | .0768   | 04.50      | .1772   | 07.80      | .3071   | 39/64      | .6094   |
| 80         | .0135   | 5/64       | .0781   | 15         | .1800   | 07.90      | .3110   | 15.50      | .6102   |
| 00.35      | .0138   | 47         | .0785   | 04.60      | .1811   | 5/16       | .3125   | 5/8        | .6250   |
| 79         | .0145   | 02.00      | .0787   | 14         | .1820   | 08.00      | .3150   | 16.00      | .6299   |
| 1/64       | .0156   | 02.05      | .0807   | 13         | .1850   | O          | .3160   | 41/64      | .6406   |
| 00.40      | .0157   | 46         | .0810   | 04.70      | .1850   | 08.10      | .3189   | 16.50      | .6496   |
| 78         | .0160   | 45         | .0820   | 3/16       | .1875   | 08.20      | .3228   | 21/32      | .6562   |
| 00.45      | .0177   | 02.10      | .0827   | 12         | .1890   | P          | .3230   | 17.00      | .6693   |
| 77         | .0180   | 02.15      | .0846   | 04.80      | .1890   | 08.30      | .3268   | 43/64      | .6719   |
| 00.50      | .0197   | 44         | .0860   | 11         | .1910   | 21/64      | .3281   | 11/16      | .6875   |
| 76         | .0200   | 02.20      | .0866   | 04.90      | .1929   | 08.40      | .3307   | 17.50      | .6890   |
| 75         | .0210   | 02.25      | .0886   | 10         | .1935   | Q          | .3320   | 45/64      | .7031   |
| 00.55      | .0217   | 43         | .0890   | 9          | .1960   | 08.50      | .3346   | 18.00      | .7087   |
| 74         | .0225   | 02.30      | .0906   | 05.00      | .1969   | 08.60      | .3386   | 23/32      | .7188   |
| 00.60      | .0236   | 02.35      | .0925   | 8          | .1990   | R          | .3390   | 18.50      | .7283   |
| 73         | .0240   | 42         | .0935   | 05.10      | .2008   | 08.70      | .3425   | 47/64      | .7344   |
| 72         | .0250   | 3/32       | .0938   | 7          | .2010   | 11/32      | .3438   | 19.00      | .7480   |
| 00.65      | .0256   | 02.40      | .0945   | 13/64      | .2031   | 08.80      | .3465   | 3/4        | .7500   |
| 71         | .0260   | 41         | .0960   | 6          | .2040   | S          | .3480   | 49/64      | .7656   |
| 00.70      | .0276   | 02.45      | .0965   | 05.20      | .2047   | 08.90      | .3504   | 19.50      | .7677   |
| 70         | .0280   | 40         | .0980   | 5          | .2055   | 09.00      | .3543   | 25/32      | .7812   |
| 69         | .0292   | 02.50      | .0984   | 05.30      | .2087   | T          | .3580   | 20.00      | .7874   |
| 00.75      | .0295   | 39         | .0995   | 4          | .2090   | 09.10      | .3583   | 51/64      | .7969   |
| 68         | .0310   | 38         | .1015   | 05.40      | .2126   | 23/64      | .3594   | 20.50      | .8071   |
| 1/32       | .0312   | 02.60      | .1024   | 3          | .2130   | 09.20      | .3622   | 13/16      | .8125   |
| 00.80      | .0315   | 37         | .1040   | 05.50      | .2165   | 09.30      | .3661   | 21.00      | .8268   |
| 67         | .0320   | 02.70      | .1063   | 7/32       | .2188   | U          | .3680   | 53/64      | .8281   |
| 66         | .0330   | 36         | .1065   | 05.60      | .2205   | 09.40      | .3701   | 27/32      | .8438   |
| 00.85      | .0335   | 7/64       | .1094   | 2          | .2210   | 09.50      | .3740   | 21.50      | .8465   |
| 65         | .0350   | 35         | .1100   | 05.70      | .2244   | 3/8        | .3750   | 55/64      | .8594   |
| 00.90      | .0354   | 02.80      | .1102   | 1          | .2280   | V          | .3770   | 22.00      | .8661   |
| 64         | .0360   | 34         | .1110   | 05.80      | .2283   | 09.60      | .3780   | 7/8        | .8750   |
| 63         | .0370   | 33         | .1130   | 05.90      | .2323   | 09.70      | .3819   | 22.50      | .8858   |
| 00.95      | .0374   | 02.90      | .1142   | A          | .2340   | 09.80      | .3858   | 57/64      | .8906   |
| 62         | .0380   | 32         | .1160   | 15/64      | .2344   | W          | .3860   | 23.00      | .9055   |
| 61         | .0390   | 03.00      | .1181   | 06.00      | .2362   | 09.90      | .3898   | 29/32      | .9062   |
| 01.00      | .0394   | 31         | .1200   | B          | .2380   | 25/64      | .3906   | 59/64      | .9219   |
| 60         | .0400   | 03.10      | .1220   | 06.10      | .2402   | 10.00      | .3937   | 23.50      | .9252   |
| 59         | .0410   | 1/8        | .1250   | C          | .2420   | X          | .3970   | 15/16      | .9375   |
| 01.05      | .0413   | 03.20      | .1260   | 06.20      | .2441   | 10.20      | .4016   | 24.00      | .9449   |
| 58         | .0420   | 30         | .1285   | D          | .2460   | Y          | .4040   | 61/64      | .9531   |
| 57         | .0430   | 03.30      | .1299   | 06.30      | .2480   | 10.30      | .4055   | 24.50      | .9646   |
| 01.10      | .0433   | 03.40      | .1339   | 1/4        | .2500   | 13/32      | .4062   | 31/32      | .9688   |
| 01.15      | .0453   | 29         | .1360   | E          | .2500   | Z          | .4130   | 25.00      | .9843   |
| 56         | .0465   | 03.50      | .1378   | 06.40      | .2520   | 10.50      | .4134   | 63/64      | .9844   |
| 3/64       | .0469   | 28         | .1405   | 06.50      | .2559   | 27/64      | .4219   | 1          | 1.0000  |
| 01.20      | .0472   | 9/64       | .1406   | F          | .2570   | 10.80      | .4252   |            |         |
| 01.25      | .0492   | 03.60      | .1417   | 06.60      | .2598   | 11.00      | .4331   |            |         |
| 01.30      | .0512   | 27         | .1440   | G          | .2610   | 7/16       | .4375   |            |         |
| 55         | .0520   | 03.70      | .1457   | 06.70      | .2638   | 11.20      | .4409   |            |         |
| 01.35      | .0531   | 26         | .1470   | 17/64      | .2656   | 11.50      | .4528   |            |         |

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