

METRIC HUTCHINSON HSS BLANKS

METRIC BLANKS - 4.75mm - 13.0mm DIAMETER

M2 HIGH SPEED STEEL - ROCKWELL "C" 62-64

M42 HIGH SPEED STEEL - ROCKWELL "C" 66-68

| Diameter mm | Length Overall mm | M2 Net Price Each | M42 Net Price Each |
|-------------|-------------------|-------------------|--------------------|
| 4.75 | 89 | 3.31 | 5.39 |
| 4.80 | 89 | 3.43 | 3.92 |
| 4.90 | 92 | 3.92 | 6.27 |
| 5.00 | 92 | 3.92 | 6.27 |
| 5.10 | 92 | 3.92 | 6.27 |
| 5.20 | 95 | 3.92 | 6.29 |
| 5.25 | 95 | 4.35 | 6.91 |
| 5.30 | 95 | 4.35 | 6.91 |
| 5.40 | 95 | 4.35 | 6.91 |
| 5.50 | 95 | 4.35 | 6.91 |
| 5.60 | 98 | 4.35 | 6.91 |
| 5.70 | 98 | 4.35 | 6.91 |
| 5.75 | 98 | 4.35 | 6.91 |
| 5.80 | 98 | 4.80 | 7.61 |
| 5.90 | 98 | 4.80 | 7.61 |
| 6.00 | 102 | 4.80 | 7.61 |
| 6.10 | 102 | 4.80 | 7.61 |
| 6.20 | 102 | 5.04 | 8.13 |
| 6.25 | 102 | 5.04 | 8.13 |
| 6.30 | 102 | 5.04 | 8.13 |
| 6.40 | 105 | 5.69 | 9.35 |
| 6.50 | 105 | 5.69 | 9.35 |
| 6.60 | 105 | 5.69 | 9.35 |
| 6.70 | 105 | 5.69 | 9.35 |
| 6.75 | 105 | 5.69 | 9.35 |
| 6.80 | 105 | 6.15 | 10.05 |
| 6.90 | 105 | 6.15 | 10.05 |
| 7.00 | 108 | 6.15 | 10.05 |
| 7.10 | 108 | 6.15 | 10.05 |
| 7.20 | 108 | 6.15 | 10.12 |
| 7.25 | 108 | 6.15 | 10.12 |
| 7.30 | 108 | 6.23 | 10.12 |
| 7.40 | 111 | 6.56 | 10.79 |
| 7.50 | 111 | 6.56 | 10.79 |
| 7.60 | 111 | 6.56 | 10.79 |

| Diameter mm | Length Overall mm | M2 Net Price Each | M42 Net Price Each |
|-------------|-------------------|-------------------|--------------------|
| 7.70 | 114 | 7.48 | 12.02 |
| 7.75 | 114 | 7.48 | 12.02 |
| 7.80 | 114 | 7.48 | 12.02 |
| 7.90 | 114 | 7.48 | 12.02 |
| 8.00 | 114 | 7.48 | 12.02 |
| 8.10 | 117 | 7.98 | 12.99 |
| 8.20 | 117 | 7.98 | 12.99 |
| 8.25 | 117 | 7.98 | 12.99 |
| 8.30 | 117 | 7.98 | 12.99 |
| 8.40 | 121 | 8.13 | 12.99 |
| 8.50 | 121 | 8.73 | 14.32 |
| 8.60 | 121 | 8.73 | 14.32 |
| 8.70 | 121 | 9.42 | 15.57 |
| 8.75 | 124 | 9.42 | 15.57 |
| 8.80 | 124 | 9.42 | 15.57 |
| 8.90 | 124 | 9.42 | 15.57 |
| 9.00 | 124 | 9.42 | 15.57 |
| 9.10 | 124 | 9.42 | 15.57 |
| 9.20 | 127 | 10.14 | 17.07 |
| 9.25 | 127 | 10.14 | 17.07 |
| 9.30 | 127 | 10.14 | 17.07 |
| 9.40 | 127 | 10.16 | 17.08 |
| 9.50 | 127 | 10.16 | 17.08 |
| 9.60 | 130 | 11.03 | 18.61 |
| 9.70 | 130 | 11.03 | 18.61 |
| 9.75 | 130 | 11.39 | 18.64 |
| 9.80 | 130 | 11.39 | 18.64 |
| 9.90 | 130 | 11.39 | 18.64 |
| 10.00 | 130 | 11.39 | 18.64 |
| 10.50 | 133 | 12.16 | 20.51 |
| 11.00 | 140 | 14.89 | 23.59 |
| 11.50 | 142 | 17.14 | 25.24 |
| 12.00 | 149 | 18.59 | 26.64 |
| 12.50 | 152 | 22.42 | 29.55 |
| 13.00 | 152 | 25.06 | 37.33 |

CHOICE OF TOLERANCE $+ .0051 \text{ mm}$ OR $+ .0000$
 $- .0000$ $- .0051 \text{ mm}$

SPECIALLY EQUIPPED FOR SMALL LOT, HIGH PRECISION CENTERLESS GRINDING

WILLIAM T. HUTCHINSON CO.

TOLL FREE 1-800-544-7934 • 453 LEHIGH AVENUE • UNION, NEW JERSEY 07083-7926

HIGH SPEED STEEL DRILL BLANKS

36 INCH HSS LENGTHS TOLERANCE ± .001

HARDENED, GROUND HSS DRILL BLANKS HAVE
A HARDNESS OF R/C 62-64

ALL BLANKS CAN BE CUT TO MEET YOUR REQUIREMENTS.
PRECISION GRINDING AVAILABLE TO A .0002 TOLERANCE

| FRACTIONAL SIZE DRILL RODS | DECIMAL EQUIVALENT | ANNEALED M2 HIGH SPEED BLANKS-36" | HARDENED GROUND HIGH SPEED BLANKS-36" |
|----------------------------|--------------------|-----------------------------------|---------------------------------------|
| 1/16 | .0625 | 12.69 | 24.64 |
| 5/64 | .0781 | 13.20 | 26.61 |
| 3/32 | .0938 | 13.27 | 30.40 |
| 7/64 | .1094 | 14.18 | 30.40 |
| 1/8 | .1250 | 14.89 | 30.80 |
| 9/64 | .1406 | 16.05 | 33.63 |
| 5/32 | .1562 | 17.79 | 37.63 |
| 11/64 | .1719 | 19.58 | 40.38 |
| 3/16 | .1875 | 21.05 | 41.25 |
| 13/64 | .2031 | 23.02 | 41.40 |
| 7/32 | .2188 | 25.08 | 43.81 |
| 15/64 | .2344 | 26.82 | 47.84 |
| 1/4 | .2500 | 29.21 | 52.14 |
| 17/64 | .2656 | 31.87 | 56.73 |
| 9/32 | .2812 | 34.48 | 61.59 |
| 19/64 | .2969 | 37.42 | 65.14 |
| 5/16 | .3125 | 40.53 | 70.09 |
| 21/64 | .3281 | 43.56 | 75.23 |
| 11/32 | .3438 | 46.95 | 80.25 |
| 23/64 | .3594 | 49.89 | 87.50 |
| 3/8 | .3750 | 53.33 | 92.50 |
| 25/64 | .3906 | 57.09 | 100.19 |
| 13/32 | .4062 | 60.80 | 105.82 |
| 27/64 | .4219 | 64.88 | 111.67 |
| 7/16 | .4375 | 69.15 | 117.75 |
| 29/64 | .4531 | 73.27 | 122.98 |
| 15/32 | .4688 | 76.44 | 129.43 |
| 31/64 | .4844 | 82.49 | 136.08 |
| 1/2 | .5000 | 87.08 | 128.37 |
| 17/32 | .5312 | 96.84 | 251.25 |
| 9/16 | .5625 | 107.62 | 265.01 |
| 5/8 | .6250 | 126.51 | 281.90 |
| 11/16 | .6875 | 151.00 | |
| 23/32 | .7188 | 163.88 | |
| 3/4 | .7500 | 177.36 | |
| 7/8 | .8750 | 237.25 | |
| 1 | 1.0000 | 306.21 | |
| 1 1/8 | 1.1250 | 405.96 | |

36 INCH HARDENED & GROUND HSS LENGTHS

WIRE SIZE

TOLERANCE ± .0003

| Wire Size | Decimal Equiv. | Price Each |
|-----------|----------------|------------|
| 61 | .0390 | 28.19 |
| 62 | .0380 | 28.19 |
| 63 | .0370 | 28.19 |
| 64 | .0360 | 28.19 |
| 65 | .0350 | 28.57 |
| 66 | .0330 | 28.57 |
| 67 | .0320 | 28.57 |
| 68 | .0310 | 28.84 |
| 69 | .0292 | 28.84 |
| 70 | .0280 | 28.84 |
| 71 | .0260 | 29.62 |
| 72 | .0250 | 29.62 |
| 73 | .0240 | 29.62 |
| 74 | .0225 | 30.39 |
| 75 | .0210 | 30.39 |
| 76 | .0200 | 30.39 |
| 77 | .0180 | 30.97 |
| 78 | .0160 | 30.97 |
| 79 | .0145 | 31.66 |
| 80 | .0135 | 31.66 |

METRIC SIZE

TOLERANCE +.0000
-.0005

| Metric Size | Decimal Equiv. | Price Each |
|-------------|----------------|------------|
| .50mm | .0199 | 30.39 |
| .60 | .0236 | 28.90 |
| .70 | .0276 | 28.14 |
| .80 | .0315 | 28.14 |
| .90 | .0354 | 27.88 |
| 1.00 | .0394 | 27.51 |
| 1.10 | .0433 | 27.51 |
| 1.20 | .0472 | 26.38 |
| 1.30 | .0512 | 26.38 |
| 1.40 | .0551 | 26.38 |
| 1.50 | .0591 | 25.24 |
| 1.60 | .0630 | 25.24 |
| 1.70 | .0669 | 25.24 |
| 1.80 | .0709 | 27.26 |
| 1.90 | .0748 | 27.26 |
| 2.00 | .0787 | 27.26 |
| 2.10 | .0827 | 27.38 |
| 2.20 | .0866 | 27.38 |
| 2.30 | .0906 | 27.38 |
| 2.40 | .0945 | 30.09 |
| 2.50 | .0984 | 30.09 |

24 INCH HARDENED & GROUND HSS LENGTHS

TOLERANCE ± .001

| Diameter Inches | Decimal Equivalent | Price Each |
|-----------------|--------------------|------------|
| 17/32 | .5312 | 149.74 |
| 9/16 | .5625 | 175.21 |
| 5/8 | .6250 | 179.84 |
| 11/16 | .6875 | 217.28 |
| 23/32 | .7188 | 229.24 |
| 3/4 | .7500 | 241.59 |
| 13/16 | .8125 | 273.23 |
| 7/8 | .8750 | 291.95 |
| 1 | 1.0000 | 359.44 |

WILLIAM T. HUTCHINSON CO.

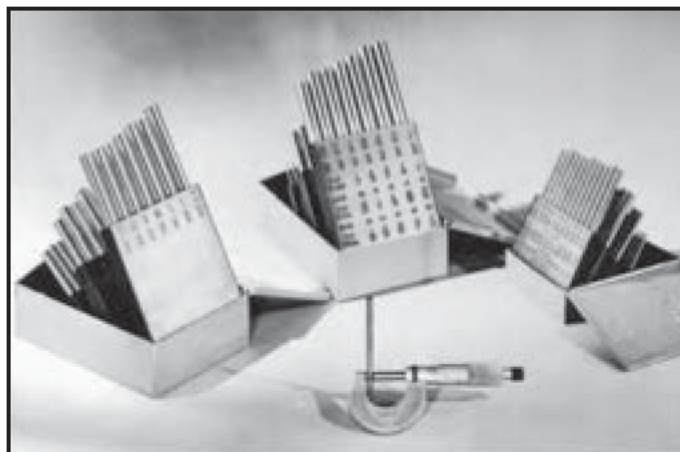
TOLL FREE 1-800-544-7934 • (908) 688-0533 • FAX (908) 688-8296 • ESTABLISHED 1927

HSS DRILL BLANK & DRILL SETS

Conveniently packaged in all steel indexes, sets of general purpose jobber length drills and precision ground drill or reamer blanks are available for shipment from our plant.

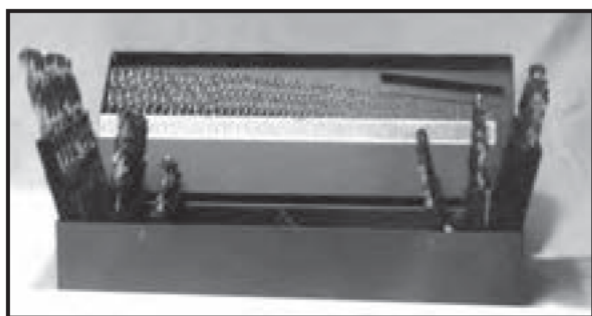
Please specify when ordering: Drill set / Drill blank ($^{+.0000}_{-.0002}$) set / Reamer Blank ($^{+.0002}_{-.0000}$) set

| | DRILL SET | M2 HSS BLANK SET | INDEX ONLY |
|---|-----------|------------------|------------|
| LETTER SET "A" - "Z" 26 PIECES | 95.35 | 203.54 | 9.45 |
| WIRE SET #1 - #60 60 PIECES | 81.90 | 164.24 | 7.45 |
| WIRE SET #61 - #80 20 PIECES | 29.00 | 76.17 | 4.95 |
| FRACTIONAL SET 1/16" - 1/2" x 1/64ths 29 PIECES | 110.30 | 237.34 | 8.65 |
| FRACTIONAL SET 1/16" - 1/2" x 1/32nds 15 PIECES | 59.60 | 127.15 | 7.10 |



METRIC BLANKS AVAILABLE AS
DRILL BLANKS ($^{+.0000}_{-.0051}$ MM)OR
REAMER BLANKS ($^{+.0051}_{-.0000}$ MM)

OTHER SETS AVAILABLE TO SUIT
YOUR NEEDS - CALL FOR PRICING
AND DELIVERY



| METRIC SETS | DRILL SET | M2 HSS BLANK SET | INDEX ONLY |
|---------------------------------------|-----------|------------------|------------|
| 1 mm. - 6mm. x 1/2 mm. 11 PIECES | 19.75 | 41.07 | 6.15 |
| 1 mm. - 13mm. x 1/2 mm. 25 PIECES | 99.30 | 219.41 | 8.65 |
| 1 mm. - 5.9 mm. x .1 mm. 50 PIECES | 75.45 | 163.34 | 9.65 |
| 6 mm. - 10 mm. x .1 mm. 41 PIECES | 178.40 | 334.77 | 22.95 |

115 PIECES - COMPLETE IN ONE BOX

| INCLUDES: WIRE SET #1 - #60, LETTER SET "A" - "Z", 1/16" - 1/2" x 1/64ths | DRILL SET | M2 HSS BLANK SET | INDEX ONLY |
|---|-----------|------------------|------------|
| | 297.15 | 614.23 | 34.65 |

WILLIAM T. HUTCHINSON CO.

TOLL FREE 1-800-544-7934 • 453 LEHIGH AVENUE • UNION, NEW JERSEY 07083-7926

36" LONG AIR HARDENING DRILL RODS

AISI TYPE A2

| Size | Decimal | Price |
|--------|---------|--------|
| 1/16 | .0625 | 3.64 |
| 5/64 | .0781 | 6.28 |
| 3/32 | .0937 | 5.90 |
| 7/64 | .1094 | 7.04 |
| 1/8 | .1250 | 6.45 |
| 9/64 | .1406 | 9.08 |
| 5/32 | .1562 | 9.20 |
| 11/64 | .1719 | 11.10 |
| 3/16 | .1875 | 9.82 |
| 13/64 | .2031 | 12.68 |
| 7/32 | .2187 | 13.66 |
| 15/64 | .2344 | 15.69 |
| 1/4 | .2500 | 13.43 |
| 17/64 | .2656 | 14.96 |
| 9/32 | .2812 | 16.80 |
| 19/64 | .2969 | 18.78 |
| 5/16 | .3125 | 17.33 |
| 21/64 | .3281 | 21.12 |
| 11/32 | .3437 | 23.14 |
| 23/64 | .3594 | 25.30 |
| 3/8 | .3750 | 24.64 |
| 25/64 | .3906 | 29.52 |
| 13/32 | .4062 | 31.96 |
| 27/64 | .4219 | 34.47 |
| 7/16 | .4375 | 33.56 |
| 29/64 | .4531 | 39.72 |
| 15/32 | .4687 | 42.57 |
| 31/64 | .4844 | 45.45 |
| 1/2 | .5000 | 42.04 |
| 17/32 | .5312 | 53.28 |
| 9/16 | .5625 | 53.18 |
| 19/32 | .5937 | 65.42 |
| 5/8 | .6250 | 64.89 |
| 21/32 | .6562 | 79.06 |
| 11/16 | .6875 | 78.56 |
| 23/32 | .7187 | 94.91 |
| 3/4 | .7500 | 92.74 |
| 13/16 | .8125 | 108.83 |
| 7/8 | .8750 | 126.23 |
| 1 | 1.0000 | 163.87 |
| 1-1/16 | 1.0625 | 185.00 |
| 1-1/8 | 1.1250 | 207.40 |
| 1-1/4 | 1.2500 | 239.69 |
| 1-3/8 | 1.3750 | 290.10 |
| 1-1/2 | 1.5000 | 342.31 |
| 1-3/4 | 1.7500 | 465.84 |
| 2 | 2.0000 | 603.82 |

AISI TYPE D2

| Size | Decimal | Price |
|------|---------|--------|
| 2mm | .0787 | 9.83 |
| 3mm | .1181 | 14.57 |
| 4mm | .1575 | 15.21 |
| 5mm | .1969 | 18.78 |
| 6mm | .2362 | 25.05 |
| 7mm | .2756 | 25.32 |
| 8mm | .3150 | 31.20 |
| 9mm | .3543 | 37.93 |
| 10mm | .3937 | 46.58 |
| 11mm | .4331 | 57.88 |
| 12mm | .4724 | 66.86 |
| 13mm | .5118 | 77.44 |
| 14mm | .5512 | 89.80 |
| 15mm | .5906 | 102.22 |
| 16mm | .6299 | 113.14 |
| 17mm | .6693 | 129.10 |
| 18mm | .7087 | 145.39 |
| 19mm | .7480 | 158.12 |
| 20mm | .7874 | 184.66 |
| 21mm | .8268 | 195.48 |
| 22mm | .8661 | 214.56 |
| 23mm | .9055 | 230.05 |
| 24mm | .9449 | 254.13 |
| 25mm | .9843 | 275.67 |

| Size | Decimal | Price |
|-------|---------|---------|
| 1/8 | .1250 | 30.60 |
| 3/16 | .1875 | 24.56 |
| 1/4 | .2500 | 35.12 |
| 5/16 | .3125 | 47.97 |
| 3/8 | .3750 | 66.61 |
| 7/16 | .4375 | 90.86 |
| 1/2 | .5000 | 113.86 |
| 5/8 | .6250 | 194.02 |
| 3/4 | .7500 | 248.27 |
| 7/8 | .8750 | 337.57 |
| 1 | 1.0000 | 424.37 |
| 1 1/4 | 1.2500 | 730.83 |
| 1 1/2 | 1.5000 | 1050.77 |
| 1 3/4 | 1.7500 | 1205.56 |
| 2 | 2.0000 | 1512.37 |

AISI TYPE S7

| Size | Decimal | Price |
|-------|---------|--------|
| 1/16 | .0625 | 6.04 |
| 3/32 | .0937 | 8.81 |
| 1/8 | .1250 | 10.78 |
| 5/32 | .1562 | 14.01 |
| 3/16 | .1875 | 16.63 |
| 7/32 | .2187 | 19.24 |
| 1/4 | .2500 | 21.60 |
| 5/16 | .3125 | 25.47 |
| 3/8 | .3750 | 34.83 |
| 7/16 | .4375 | 47.40 |
| 1/2 | .5000 | 50.19 |
| 5/8 | .6250 | 76.23 |
| 3/4 | .7500 | 109.80 |
| 7/8 | .8750 | 149.46 |
| 1 | 1.0000 | 190.21 |
| 1 1/4 | 1.2500 | 297.20 |
| 1 3/8 | 1.3750 | 359.58 |
| 1 1/2 | 1.5000 | 427.93 |
| 1 3/4 | 1.7500 | 582.49 |
| 2 | 2.0000 | 761.54 |

DRILL ROD IS NOT HEAT TREATED

| DRILL ROD TOLERANCES | |
|----------------------|-----------|
| Diameter | Tolerance |
| Below .124 | ± .0003 |
| .125-1.500 | ± .0005 |
| 1.500-2.000 | ± .001 |

| TYPICAL ANALYSIS OF DRILL ROD MATERIALS | | | | | | | |
|---|------|-----|------|-----|-------|-----|------|
| | C | Si | Mn | W | Cr | V | Mo |
| S7 | .50 | .25 | .75 | | 3.25 | | 1.40 |
| D2 | 1.50 | .30 | .30 | | 12.00 | .90 | .75 |
| A2 | 1.00 | .30 | .75 | | 5.00 | .25 | 1.00 |
| O1 | .94 | .30 | 1.20 | .50 | .50 | | |

**ALL DRILL ROD CAN
BE CUT AND HEAT TREATED
TO MEET YOUR
REQUIREMENTS.**

**PRECISION GRINDING
OF DRILL ROD
AVAILABLE TO A
.0002 TOLERANCE.**

**ALSO AVAILABLE
IN LIMITED SIZES:
AISI TYPE W1**

**CALL FOR PRICING
AND DELIVERY.**

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36" LONG AISI 0-1 OIL HARDENING DRILL RODS

NUMBER & LETTER SIZES

| Size | Decimal | Price | Size | Decimal | Price | Size | Decimal | Price | Size | Decimal | Price |
|------|---------|-------|------|---------|-------|------|---------|-------|------|---------|-------|
| 60 | .039 | 13.00 | 37 | .103 | 3.55 | 14 | .180 | 6.61 | J | .277 | 7.65 |
| 59 | .040 | 13.00 | 36 | .106 | 3.80 | 13 | .182 | 6.68 | K | .281 | 7.93 |
| 58 | .041 | 13.00 | 35 | .108 | 3.93 | 12 | .185 | 6.96 | L | .290 | 8.17 |
| 57 | .042 | 13.00 | 34 | .110 | 4.05 | 11 | .188 | 5.75 | M | .295 | 8.65 |
| 56 | .045 | 12.50 | 33 | .112 | 4.16 | 10 | .191 | 5.91 | N | .302 | 8.99 |
| 55 | .050 | 12.50 | 32 | .115 | 4.46 | 9 | .194 | 6.16 | O | .316 | 9.44 |
| 54 | .055 | 11.50 | 31 | .120 | 4.82 | 8 | .197 | 6.34 | P | .323 | 9.24 |
| 53 | .058 | 11.50 | 30 | .127 | 4.00 | 7 | .199 | 6.40 | Q | .332 | 9.55 |
| 52 | .063 | 2.62 | 29 | .134 | 4.46 | 6 | .201 | 6.56 | R | .339 | 10.12 |
| 51 | .066 | 2.86 | 28 | .139 | 4.82 | 5 | .204 | 6.81 | S | .348 | 10.58 |
| 50 | .069 | 3.09 | 27 | .143 | 5.10 | 4 | .207 | 6.93 | T | .358 | 11.10 |
| 49 | .072 | 3.41 | 26 | .146 | 5.33 | 3 | .212 | 7.31 | U | .368 | 11.76 |
| 48 | .075 | 3.68 | 25 | .148 | 5.97 | 2 | .219 | 6.87 | V | .377 | 12.44 |
| 47 | .077 | 3.93 | 24 | .151 | 5.67 | 1 | .227 | 7.36 | W | .386 | 12.75 |
| 46 | .079 | 4.08 | 23 | .153 | 5.87 | A | .234 | 7.82 | X | .397 | 13.39 |
| 45 | .081 | 4.32 | 22 | .155 | 5.92 | B | .238 | 8.14 | Y | .404 | 14.18 |
| 44 | .085 | 4.65 | 21 | .157 | 5.01 | C | .242 | 8.35 | Z | .413 | 14.65 |
| 43 | .088 | 5.07 | 20 | .161 | 5.31 | D | .246 | 8.61 | | | |
| 42 | .092 | 5.58 | 19 | .164 | 5.46 | E | .252 | 8.00 | | | |
| 41 | .095 | 3.03 | 18 | .168 | 5.75 | F | .257 | 6.87 | | | |
| 40 | .097 | 3.12 | 17 | .172 | 6.02 | G | .261 | 6.81 | | | |
| 39 | .099 | 3.30 | 16 | .175 | 6.20 | H | .266 | 7.01 | | | |
| 38 | .101 | 3.51 | 15 | .178 | 6.44 | I | .272 | 7.31 | | | |

MILLIMETER SIZES

| Size | Decimal | Price |
|------|---------|-------|
| 2mm | .0787 | 4.91 |
| 3mm | .1181 | 5.70 |
| 4mm | .1575 | 6.23 |
| 5mm | .1969 | 7.82 |
| 6mm | .2362 | 10.75 |
| 7mm | .2756 | 9.65 |
| 8mm | .3150 | 11.59 |
| 9mm | .3543 | 13.97 |
| 10mm | .3937 | 17.09 |
| 11mm | .4331 | 21.03 |
| 12mm | .4724 | 24.17 |
| 13mm | .5118 | 27.51 |
| 14mm | .5512 | 31.88 |
| 15mm | .5906 | 36.48 |
| 16mm | .6299 | 40.11 |
| 17mm | .6693 | 45.94 |
| 18mm | .7087 | 51.65 |
| 19mm | .7480 | 55.98 |
| 20mm | .7874 | 62.00 |
| 21mm | .8268 | 68.55 |
| 22mm | .8661 | 75.17 |
| 23mm | .9055 | 79.87 |
| 24mm | .9449 | 89.21 |
| 25mm | .9843 | 96.88 |

FRACTIONAL SIZES

| Size | Decimal | Price | Size | Decimal | Price | Size | Decimal | Price |
|-------|---------|-------|-------|---------|-------|--------|---------|--------|
| 1/16 | .0625 | 2.40 | 29/64 | .4531 | 18.41 | 27/32 | .8438 | 56.59 |
| 5/64 | .0781 | 4.00 | 15/32 | .4688 | 18.35 | 55/64 | .8594 | 60.18 |
| 3/32 | .0937 | 2.77 | 31/64 | .4844 | 21.03 | 7/8 | .8750 | 58.02 |
| 7/64 | .1094 | 4.00 | 1/2 | .5000 | 17.81 | 57/64 | .8906 | 64.67 |
| 1/8 | .1250 | 3.67 | 33/64 | .5156 | 22.44 | 29/32 | .9063 | 65.28 |
| 9/64 | .1406 | 4.91 | 17/32 | .5313 | 23.18 | 59/64 | .9219 | 69.26 |
| 5/32 | .1563 | 4.60 | 35/64 | .5469 | 25.22 | 15/16 | .9375 | 69.80 |
| 11/64 | .1719 | 5.99 | 9/16 | .5625 | 24.87 | 61/64 | .9531 | 74.05 |
| 3/16 | .1875 | 5.31 | 37/64 | .5781 | 28.22 | 31/32 | .9688 | 74.58 |
| 13/64 | .2031 | 6.68 | 19/32 | .5938 | 29.03 | 63/64 | .9844 | 78.94 |
| 7/32 | .2188 | 6.34 | 39/64 | .6094 | 30.95 | 1 | 1.0000 | 65.53 |
| 15/64 | .2344 | 7.86 | 5/8 | .6250 | 27.75 | 1-1/16 | 1.0625 | 85.28 |
| 1/4 | .2500 | 6.03 | 41/64 | .6406 | 34.19 | 1-3/32 | 1.0938 | 89.94 |
| 17/64 | .2656 | 7.31 | 21/32 | .6563 | 34.96 | 1-1/8 | 1.1250 | 91.32 |
| 9/32 | .2813 | 7.58 | 43/64 | .6719 | 37.61 | 1-3/16 | 1.1875 | 106.58 |
| 19/64 | .2969 | 9.08 | 11/16 | .6875 | 36.70 | 1-1/4 | 1.2500 | 106.99 |
| 5/16 | .3125 | 7.58 | 45/64 | .7031 | 41.18 | 1-5/16 | 1.3125 | 123.54 |
| 21/64 | .3281 | 9.91 | 23/32 | .7188 | 41.93 | 1-3/8 | 1.3750 | 129.45 |
| 11/32 | .3438 | 10.06 | 47/64 | .7344 | 44.89 | 1-7/16 | 1.4375 | 148.28 |
| 23/64 | .3594 | 11.89 | 3/4 | .7500 | 38.73 | 1-1/2 | 1.5000 | 152.54 |
| 3/8 | .3750 | 10.70 | 49/64 | .7656 | 47.79 | 1-9/16 | 1.5625 | 164.49 |
| 25/64 | .3906 | 13.68 | 25/32 | .7813 | 48.50 | 1-5/8 | 1.6250 | 187.50 |
| 13/32 | .4062 | 13.88 | 51/64 | .7969 | 51.74 | 1-3/4 | 1.7500 | 207.66 |
| 27/64 | .4219 | 15.93 | 13/16 | .8125 | 50.08 | 1-7/8 | 1.8750 | 249.68 |
| 7/16 | .4375 | 14.49 | 53/64 | .8281 | 55.93 | 2 | 2.0000 | 269.00 |

| DRILL ROD TOLERANCES | |
|----------------------|-----------|
| Diameter | Tolerance |
| Below .124 | ± .0003 |
| .125-1.500 | ± .0005 |
| 1.500-2.000 | ± .001 |

DRILL ROD IS NOT HEAT TREATED

**ALL DRILL ROD CAN
BE CUT AND HEAT TREATED
TO MEET YOUR
REQUIREMENTS.**

**PRECISION GRINDING
OF DRILL ROD
AVAILABLE TO A
.0002 TOLERANCE.**

**ALSO AVAILABLE
IN LIMITED SIZES:
AISI TYPE W1**

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HUTCHINSON SUPER HIGH ALLOY BLANKS

- ASP30 (8.5% COBALT)**
- T15PM (12% TUNGSTEN)**
- ASP60 (10.5% COBALT)**
- M4PM (5.75 TUNGSTEN)**
- ASP23 (AISI M3:2)**
- CPM10V (AISI A11)(9.75% VANADIUM)**

ASP30 is an 8.5% cobalt content high-alloy high-speed steel manufactured powder-metallurgically. This high performance material exhibits good grindability, toughness, hot hardness and wear resistance.

T15PM is a tungsten type high speed steel containing high carbon and vanadium for very high hardness and maximum wear resistance, and cobalt for good red hardness. Manufactured powder—metallurgically for improved quality and grindability.

M4PM is designed for high wear resistance. Its high vanadium and carbon content provide high resistance to wear in cold work and cutting applications. It exhibits improved performance working with abrasive materials. Manufactured powder-metallurgically for improved grindability and toughness.

ASP23 An all around steel suitable for cutting tools such as reamers, taps, milling cutters, broaches, etc. . .
Used where cutting conditions demand high wear resistance and superior toughness but where demands for hot hardness are not paramount. ASP23 is also suitable for cold work applications where tools for punching show an admirable combination of wear resistance and toughness.

ASP60 is an extremely high alloy high speed steel. The steel is atomized, compacted and processed to required dimensions. The result is an extremely homogeneous steel. ASP 60's homogeneous structure enhances such properties as dimensional stability and shape during heat treatment, as well as improving grindability and toughness. ASP-60's method of manufacture and composition mean that it can provide high hot hardness and good wear resistance.

CPM10V(AISI A11) is a unique tool steel made by a particle metallurgy process. Its high carbon and high vanadium content provides a combination of exceptionally good wear resistance, toughness and strength for both cold and warm work applications.

| Diameter Inches | Decimal Equivalent | Length Overall Inches | ASP30 Net Price Each | T15PM Net Price Each | M4PM Net Price Each | ASP60 Net Price Each | ASP23 Net Price Each | CPM10V Net Price Each |
|-----------------|--------------------|-----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|-----------------------|
| 1/16 | .0625 | 2 1/2 | 8.42 | — | 7.26 | — | 6.78 | — |
| 3/32 | .09375 | 2 1/2 | 7.88 | — | 7.00 | — | 6.56 | — |
| 1/8 | .1250 | 2 1/2 | 5.84 | — | 5.16 | — | 4.85 | 7.55 |
| | | 4 | 7.97 | — | 7.04 | — | 6.59 | 12.02 |
| | | 6 | 11.48 | — | 10.14 | — | 9.49 | 18.04 |
| 3/16 | .1875 | 2 1/2 | 6.43 | — | 5.83 | 19.12 | 6.04 | 7.82 |
| | | 4 | 9.84 | — | 8.37 | 30.46 | 7.99 | 11.03 |
| | | 6 | 15.54 | — | 13.18 | 46.67 | 12.68 | 17.88 |
| 1/4 | .2500 | 2 1/2 | 8.47 | 12.03 | 7.12 | 18.54 | 6.85 | 9.79 |
| | | 4 | 12.61 | 17.93 | 10.64 | 27.51 | 10.20 | 15.67 |
| | | 6 | 19.41 | 27.56 | 16.37 | 42.41 | 15.72 | 23.58 |
| 5/16 | .3125 | 4 | 16.30 | 23.08 | 13.67 | 35.21 | 13.10 | 20.95 |
| | | 6 | 22.90 | 32.47 | 19.22 | 49.40 | 18.44 | 31.42 |
| 3/8 | .3750 | 4 | 19.96 | 27.21 | 16.17 | 42.41 | 15.80 | 25.03 |
| | | 6 | 29.94 | 40.83 | 24.24 | 63.63 | 23.70 | 37.52 |
| 7/16 | .4375 | 6 | 38.68 | 52.79 | 31.54 | — | 31.80 | — |
| 1/2 | .5000 | 4 | 31.30 | 42.85 | 25.23 | 65.85 | 24.66 | 37.18 |
| | | 6 | 43.69 | 60.05 | 35.28 | 91.83 | 34.44 | 55.40 |
| 5/8 | .6250 | 4 | 53.28 | 70.06 | 42.83 | 112.26 | 41.85 | 60.32 |
| | | 6 | 71.70 | 97.29 | 57.76 | 150.98 | 56.44 | 90.47 |
| 3/4 | .7500 | 4 | 70.69 | 95.75 | 56.91 | 148.86 | 55.64 | 82.12 |
| | | 6 | 97.17 | 132.09 | 78.45 | 204.54 | 76.61 | 122.78 |
| 7/8 | .8750 | 6 | 126.01 | 171.23 | 101.76 | — | — | 161.10 |
| 1 | 1.0000 | 6 | 156.33 | 213.37 | 126.64 | 334.78 | — | 206.93 |

CHOICE OF TOLERANCE $\begin{matrix} +.0002 \\ -.0000 \end{matrix}$ **OR** $\begin{matrix} +.0000 \\ -.0002 \end{matrix}$

AVAILABLE IN ANY DIAMETER .0300 - 1.000
ADDITIONAL LENGTHS AVAILABLE
TO SUIT YOUR REQUIREMENTS

TYPICAL ANALYSIS OF SUPER HIGH ALLOY MATERIALS:

| | C | Cr | Mo | W | V | Co | Hardness |
|--------|------|------|-----|------|------|------|-----------|
| ASP30 | 1.28 | 4.2 | 5.0 | 6.4 | 3.1 | 8.5 | R/C 65-67 |
| T15PM | 1.55 | 4.0 | — | 12.0 | 5.0 | 5.0 | R/C 64-66 |
| M4PM | 1.35 | 4.0 | 4.5 | 5.75 | 4.0 | — | R/C 63-65 |
| ASP60 | 2.30 | 4.0 | 7.0 | 6.5 | 6.5 | 10.5 | R/C 67-69 |
| ASP23 | 1.28 | 4.2 | 5.0 | 6.4 | 3.1 | — | R/C 63-65 |
| CPM10V | 2.45 | 5.25 | 1.3 | — | 9.75 | — | R/C 62-64 |

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WKE 45 SUPER COBALT HSS BLANKS

**WKE 45 WITH 11% COBALT CONTENT, FINE GRAIN
STRUCTURE AND UNIQUE CHEMICAL
COMPOSITION, MEETS REQUIREMENTS FOR
MAXIMUM PERFORMANCE IN MOST CUTTING
TOOL APPLICATIONS**

| METRIC | | |
|---------|-------------------|----------------|
| Dia. mm | Length Overall mm | Net Price Each |
| 3 | 100 | 11.67 |
| 4 | 80 | 13.06 |
| 4 | 100 | 16.66 |
| 5 | 100 | 17.90 |
| 5 | 160 | — |
| 6 | 63 | — |
| 6 | 80 | — |
| 6 | 100 | 19.57 |
| 6 | 160 | 27.39 |
| 8 | 100 | 23.00 |
| 8 | 160 | 32.14 |
| 8 | 200 | 38.72 |
| 10 | 100* | 29.15 |
| 10 | 160* | 42.83 |
| 10 | 200* | 50.70 |
| 12 | 100* | 35.00 |
| 12 | 160* | 57.50 |
| 12 | 200 | 75.00 |
| 14 | 160 | 68.75 |
| 15 | 100 | — |
| 16 | 100 | — |
| 16 | 160 | — |
| 16 | 200 | — |
| 18 | 100 | — |
| 18 | 200 | 116.10 |
| 20 | 200 | 141.60 |

| FRACTIONAL | | |
|-------------|-----------------------|----------------|
| Dia. Inches | Length Overall Inches | Net Price Each |
| 1/8 | 4 | 11.67 |
| 3/16 | 2 1/2* | 9.93 |
| 3/16 | 4 | 13.97 |
| 1/4 | 2 1/2* | 12.62 |
| 1/4 | 4 | 17.63 |
| 1/4 | 6 | 27.07 |
| 5/16 | 4 | 24.95 |
| 5/16 | 6 9/32 | 37.10 |
| 3/8 | 4 | 30.37 |
| 3/8 | 6 | 39.15 |
| 3/8 | 8* | 62.20 |
| 1/2 | 4 | 42.72 |
| 1/2 | 6 | 58.06 |
| 1/2 | 8 | 77.96 |
| 5/8 | 4 | — |
| 5/8 | 6 | 89.47 |
| 3/4 | 6 | 113.86 |
| 3/4 | 8* | 220.00 |
| 1 | 6 | — |

HARDNESS:
R/C 67-69

STANDARD DIAMETER
TOLERANCE

+ .0
- .002"

SPECIAL DIAMETERS
AND TOLERANCES
AVAILABLE—PRICES
UPON REQUEST

WKE45 SQUARE
& RECTANGULAR
TOOLBITS AVAILABLE
SEE PAGE 41

| WKE45 TYPICAL ANALYSIS | | | | | |
|------------------------|-----|-----|-----|-----|------|
| C | Cr | Mo | W | V | Co |
| 1.40 | 4.2 | 3.5 | 9.0 | 3.5 | 11.0 |

* AVAILABLE UNTIL
STOCK IS EXHAUSTED

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ENGRAVING BLANKS

SPLIT HALF-ROUND Solid Tungsten Carbide

**SINGLE END****DOUBLE END**

Solid Tungsten Carbide Blanks with a close sub-micron grain structure, hardness of RA91.8 and high transverse rupture strength offer superior results when machining both ferrous and non ferrous metals as well as plastics, fiberglass and mylar.

| DIAMETER | O.A.L. | LENGTH OF SPLIT/FLAT | SINGLE END PRICE EA. | DOUBLE END PRICE EACH |
|----------|--------|----------------------|----------------------|-----------------------|
| 1/8 | 1-1/2 | 3/8 | 7.80 | 12.53 |
| 1/8 | 2 | 3/8 | 8.71 | 13.44 |
| 1/8 | 3 | 3/8 | 9.34 | 14.09 |
| 1/8 | 4 | 3/8 | 11.27 | 17.64 |
| 1/8 | 6 | 3/8 | 28.64 | 35.01 |
| 3/16 | 2 | 1/2 | 12.36 | 17.67 |
| 3/16 | 2-1/2 | 1/2 | 13.70 | 19.03 |
| 3/16 | 3 | 1/2 | 15.06 | 20.37 |
| 3/16 | 4 | 1/2 | 17.69 | 24.84 |
| 3/16 | 6 | 1/2 | 36.86 | 44.04 |
| 1/4 | 2 | 1/2 | 14.76 | 22.71 |
| 1/4 | 2-1/2 | 1/2 | 17.11 | 25.09 |
| 1/4 | 3 | 1/2 | 19.36 | 27.30 |
| 1/4 | 4 | 1/2 | 23.04 | 31.00 |
| 1/4 | 6 | 1/2 | 41.21 | 49.17 |
| 5/16 | 2-1/2 | 1/2 | 22.36 | 31.11 |
| 5/16 | 3 | 1/2 | 25.34 | 34.11 |
| 5/16 | 4 | 1/2 | 30.53 | 39.29 |
| 5/16 | 6 | 1/2 | 65.47 | 74.23 |
| 3/8 | 2-1/2 | 1/2 | 28.30 | 37.84 |
| 3/8 | 3 | 1/2 | 32.19 | 41.74 |
| 3/8 | 4 | 1/2 | 39.71 | 49.26 |
| 3/8 | 6 | 1/2 | 63.06 | 72.61 |
| 7/16 | 2-1/2 | 5/8 | 35.99 | 46.34 |
| 7/16 | 3 | 5/8 | 42.60 | 52.93 |
| 7/16 | 4 | 5/8 | 47.76 | 58.09 |
| 7/16 | 6 | 5/8 | 71.76 | 82.11 |
| 1/2 | 3 | 5/8 | 49.71 | 60.86 |
| 1/2 | 4 | 5/8 | 62.24 | 73.37 |
| 1/2 | 6 | 5/8 | 94.06 | 105.20 |

Tolerances: Diameter $\begin{matrix} +.0 \\ -.0005 \end{matrix}$ Split/Flats $\begin{matrix} +.001 \\ -.0 \end{matrix}$ above centerline
END SHAPES AVAILABLE ON REQUEST

INFORMATION AND PRICING AVAILABLE ON REQUEST
ALSO AVAILABLE IN BOXED SETS

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CARBIDE DRILL BLANKS

CENTERLESS GROUND - CUT TO LENGTH

| Dia. | Decimal | LENGTH | | | | | | | | |
|------|---------|--------|-------|-------|--------|-------|--------|--------|--------|--------|
| | | 1½ | 2 | 2½ | 3 | 3½ | 4 | 5 | 6 | 12 |
| 1/16 | .0625 | 3.48 | — | — | 5.70 | — | — | — | 8.77 | 23.73 |
| 3/32 | .09375 | 3.84 | 5.08 | 5.44 | 5.39 | — | — | — | 10.20 | 26.76 |
| 1/8 | .1250 | 1.99 | 3.26 | 3.66 | 4.13 | — | 6.71 | — | 24.53 | 30.19 |
| 5/32 | .15625 | 5.21 | 5.04 | 6.39 | 7.71 | — | — | — | 36.91 | 37.69 |
| 3/16 | .1875 | 4.44 | 5.86 | 7.36 | 8.89 | — | 11.83 | — | 43.01 | 52.61 |
| 1/4 | .2500 | 5.90 | 7.64 | 10.31 | 12.83 | 13.36 | 16.99 | — | 37.50 | 80.51 |
| 5/16 | .3125 | — | 11.84 | 15.33 | 18.70 | 17.26 | 35.24 | — | 64.07 | 127.56 |
| 3/8 | .3750 | 12.99 | 17.00 | 21.13 | 25.49 | 29.73 | 34.00 | — | 60.39 | 167.14 |
| 7/16 | .4375 | — | — | 28.90 | 36.36 | 27.10 | 42.13 | — | 69.23 | 216.93 |
| 1/2 | .5000 | — | 28.47 | 36.40 | 43.46 | 29.81 | 57.60 | 77.97 | 93.53 | 268.74 |
| 9/16 | .5625 | — | — | — | — | 64.54 | 79.56 | — | 73.69 | 343.36 |
| 5/8 | .6250 | — | — | — | 68.34 | 79.69 | 97.33 | 124.73 | 149.69 | 423.86 |
| 3/4 | .7500 | — | — | — | 120.41 | 77.75 | 130.00 | 163.95 | 198.61 | 487.89 |
| 7/8 | .8750 | — | — | 89.67 | — | — | 187.31 | — | 284.00 | 664.63 |
| 1 | 1.0000 | — | — | — | — | — | 216.00 | 282.06 | 342.11 | 868.30 |

| METRIC SIZES | | | | |
|--------------|--------|--------|--------|--------|
| Dia. | Length | Price | Length | Price |
| 3mm | 39mm | 2.09 | 12" | 30.60 |
| 4 | 51 | 7.19 | 12" | — |
| 5 | 51 | 5.56 | 12" | 50.61 |
| 6 | 51 | 7.76 | 12" | 81.64 |
| 6 | 64 | 9.54 | 12" | — |
| 8 | 64 | 15.03 | 12" | 129.61 |
| 10 | 76 | 29.86 | 12" | 186.90 |
| 10 | 102 | 39.69 | 12" | — |
| 12 | 102 | 58.27 | 12" | 178.69 |
| 14 | 102 | 79.56 | 12" | — |
| 16 | 102 | 90.21 | 12" | — |
| 18 | 102 | 138.96 | 12" | — |
| 20 | 102 | 170.57 | 12" | — |
| 25 | 102 | 132.09 | 12" | 841.24 |

C2 Micrograin Carbide
 10% Cobalt Content
 Hardness R/A 91.8
 TRS (nominal) 410 KPSI
 Density 14.50 Gm/CC

Diameter Tolerance

+0
 -.0005

STYLE STB 1000 & 2000 BLANKS AVAILABLE -
 SEE PAGES 44 & 45

*Additional grades and tolerances available on application
 Available in any diameter 1/64"-3" - lengths up to 30"*

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HARDENED & GROUND TOOL STEEL BLANKS

SIX INCH LENGTHS

HEAT TREATED & GROUND TO A
DIAMETER TOLERANCE OF +.0000 -.0003

SEE PAGE 10 FOR
TYPICAL CHEMICAL
ANALYSIS OF THESE
MATERIALS

| DIAMETER | DECIMAL EQUIV. | MATERIAL | | | |
|----------|-------------------|---|---|---|---|
| | | AISI O1 R/C 60-62 Net Price Each | AISI A2 R/C 58-60 Net Price Each | AISI S7 R/C 58-60 Net Price Each | AISI D2 R/C 60-62 Net Price Each |
| 1/16 | .0625 | 10.39 | 9.66 | 9.91 | 15.20 |
| 5/64 | .078125 | 10.09 | 9.57 | 9.91 | 15.20 |
| 3/32 | .09375 | 10.39 | 9.84 | 10.39 | 15.20 |
| 7/64 | .109375 | 9.51 | 8.90 | 9.62 | 14.43 |
| 1/8 | .1250 | 9.80 | 9.52 | 10.41 | 13.08 |
| 5/32 | .15625 | 10.06 | 10.00 | 11.04 | 12.97 |
| 3/16 | .1875 | 9.46 | 9.61 | 10.95 | 14.80 |
| 7/32 | .21875 | 10.50 | 11.10 | 11.68 | 15.53 |
| 1/4 | .2500 | 10.91 | 11.45 | 13.69 | 19.15 |
| 9/32 | .28125 | 12.12 | 13.16 | 14.45 | 19.91 |
| 5/16 | .3125 | 12.32 | 13.71 | 16.72 | 24.43 |
| 11/32 | .34375 | 14.12 | 16.04 | 17.98 | 25.69 |
| 3/8 | .3750 | 14.98 | 16.31 | 21.45 | 31.99 |
| 7/16 | .4375 | 19.29 | 23.09 | 25.16 | 40.60 |
| 1/2 | .5000 | 22.55 | 26.50 | 27.35 | 42.79 |
| 9/16 | .5625 | 29.07 | 34.06 | — | — |
| 5/8 | .6250 | 34.66 | 40.93 | 42.53 | 71.10 |
| 3/4 | .7500 | 45.66 | 54.60 | 58.07 | 91.66 |
| 7/8 | .8750 | 61.26 | 72.83 | 78.72 | 124.34 |
| 1" | 1.0000 | 76.42 | 91.54 | 98.37 | 155.16 |

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TWELVE INCH LENGTHS

HEAT TREATED & GROUND TO A
DIAMETER TOLERANCE OF +.0000 -.0003

SEE PAGE 10 FOR
TYPICAL CHEMICAL
ANALYSIS OF THESE
MATERIALS

| DIAMETER | DECIMAL EQUIV. | MATERIAL | | | |
|----------|-------------------|---|---|---|---|
| | | AISI O1 R/C 60-62 Net Price Each | AISI A2 R/C 58-60 Net Price Each | AISI S7 R/C 58-60 Net Price Each | AISI D2 R/C 60-62 Net Price Each |
| 1/16 | .0625 | \$27.49 | 26.25 | 26.85 | 40.56 |
| 5/64 | .078125 | 26.72 | 26.01 | 26.85 | 40.56 |
| 3/32 | .09375 | 18.14 | 17.37 | 19.18 | 31.65 |
| 7/64 | .109375 | 19.55 | 18.63 | 20.73 | 33.20 |
| 1/8 | .1250 | 20.32 | 20.25 | 22.77 | 31.74 |
| 5/32 | .15625 | 20.99 | 21.50 | 24.41 | 29.40 |
| 3/16 | .1875 | 20.63 | 22.48 | 26.06 | 36.04 |
| 7/32 | .21875 | 20.51 | 22.64 | 24.51 | 34.50 |
| 1/4 | .2500 | 21.00 | 23.08 | 29.21 | 43.37 |
| 9/32 | .28125 | 23.34 | 26.68 | 30.39 | 44.55 |
| 5/16 | .3125 | 25.47 | 29.74 | 37.83 | 57.82 |
| 11/32 | .34375 | 28.76 | 33.07 | 39.80 | 59.79 |
| 3/8 | .3750 | 29.63 | 34.08 | 47.71 | 75.05 |
| 7/16 | .4375 | 40.26 | 50.78 | 56.58 | 96.64 |
| 1/2 | .5000 | 45.93 | 56.89 | 59.61 | 99.67 |
| 9/16 | .5625 | 56.15 | 76.17 | — | — |
| 5/8 | .6250 | 73.26 | 84.78 | 95.11 | 128.54 |
| 3/4 | .7500 | 90.58 | 110.70 | 124.73 | 159.79 |
| 7/8 | .8750 | 121.44 | 154.98 | 169.15 | 216.71 |
| 1" | 1.0000 | 157.35 | 178.99 | 218.70 | 278.62 |

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HARDENED & GROUND 440C STAINLESS STEEL BLANKS

SIX & TWELVE INCH LENGTHS

HEAT TREATED TO R/C 58-60 & GROUND
TO A DIAMETER TOLERANCE OF +.0000 -.0003

| DIAMETER | DECIMAL EQUIV. | 6" LONG | 12" LONG |
|----------|----------------|----------------|----------------|
| | | Net Price Each | Net Price Each |
| 1/16 | .0625 | \$29.75 | 64.72 |
| 5/64 | .078125 | 27.00 | 59.22 |
| 3/32 | .09375 | 24.25 | 53.72 |
| 7/64 | .109375 | 21.50 | 48.22 |
| 1/8 | .1250 | 26.02 | 57.62 |
| 5/32 | .15625 | 27.90 | 61.76 |
| 3/16 | .1875 | 27.12 | 55.56 |
| 7/32 | .21875 | 21.62 | 44.56 |
| 1/4 | .2500 | 38.20 | 81.52 |
| 9/32 | .28125 | 32.70 | 70.52 |
| 5/16 | .3125 | 35.02 | 73.79 |
| 11/32 | .34375 | 29.52 | 62.79 |
| 3/8 | .3750 | 40.67 | 88.21 |
| 7/16 | .4375 | 43.41 | 92.33 |
| 1/2 | .5000 | 50.09 | 103.98 |
| 9/16 | .5625 | 65.53 | 141.41 |
| 5/8 | .6250 | 72.00 | 150.59 |
| 3/4 | .7500 | 85.38 | 178.09 |
| 7/8 | .8750 | 107.07 | 225.04 |
| 1" | 1.0000 | 125.70 | 264.32 |

HEAT TREATED 440C IS ONE OF THE HARDEST STAINLESS STEELS.
IT IS MAGNETIC AND HAS GOOD WEAR RESISTANCE DUE TO HIGH CARBON CONTENT

AVAILABLE IN SPECIAL LENGTHS, DIAMETERS,
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