

HIGH SPEED STEEL BLANKS

AVAILABLE IN ANY DIAMETER .005" - 3.500"

GROUND TO .0002 TOLERANCE

LENGTH TO 78" TO SUIT YOUR REQUIREMENTS

The following standard size M2 High Speed Steel Blanks

Hardness Rockwell "C" 62-64 or M42 "C" 65-67

Available for immediate delivery from our plant.

Size	Decimal Equivalent	Length Overall Inches	M2 Net Price Each	M42 Net Price Each
1/64	.015625	1 1/2	3.33	4.80
1/32	.03125	1 1/2	2.05	2.90
3/64	.046875	1 3/4	1.75	2.50
1/16	.0625	1 7/8	1.65	2.50
5/64	.078125	2	1.70	2.55
3/32	.09375	2 1/4	1.75	2.70
7/64	.109375	2 3/4	1.80	2.80
1/8	.1250	2 3/4	1.85	2.90
9/64	.140625	3	1.95	3.00
5/32	.15625	3 1/4	2.25	3.40
11/64	.171875	3 1/4	2.30	3.45
3/16	.1875	3 1/2	2.50	3.90
13/64	.203125	3 5/8	3.00	4.60
7/32	.21875	3 3/4	3.40	5.10
15/64	.234375	3 7/8	3.65	5.60
1/4	.2500	4	3.95	6.00
17/64	.265625	4 1/8	4.40	6.90
9/32	.28125	4 1/4	4.80	7.50
19/64	.296875	4 3/8	5.20	8.20
5/16	.3125	4 1/2	5.65	8.90
21/64	.328125	4 5/8	6.00	9.45
11/32	.34375	4 3/4	6.60	10.40
23/64	.359375	4 7/8	7.20	11.40
3/8	.3750	5	8.00	12.90
25/64	.390625	5 1/8	8.75	13.50
13/32	.40625	5 1/4	9.65	15.00
27/64	.421875	5 3/8	10.75	16.75
7/16	.4375	5 1/2	11.45	17.95
29/64	.453125	5 5/8	12.50	18.75
15/32	.46875	5 3/4	13.00	19.75
31/64	.484375	5 7/8	15.00	21.00
1/2	.5000	6	16.50	22.25

Size	Decimal Equivalent	Length Overall Inches	M2 Net Price Each	M42 Net Price Each
A	.234	3 7/8	3.50	5.60
B	.238	4	3.50	5.60
C	.242	4	3.50	5.60
D	.246	4	3.75	6.00
E	.250	4	3.75	6.00
F	.257	4 1/8	4.40	6.90
G	.261	4 1/8	4.40	6.90
H	.266	4 1/8	4.40	6.90
I	.272	4 1/8	4.60	7.25
J	.277	4 1/4	4.65	7.35
K	.281	4 1/4	4.75	7.40
L	.290	4 1/4	4.85	7.50
M	.295	4 3/8	5.05	8.10
N	.302	4 3/8	5.05	8.10
O	.316	4 1/2	5.55	8.75
P	.323	4 5/8	6.05	9.50
Q	.332	4 3/4	6.10	9.50
R	.339	4 3/4	6.65	10.45
S	.348	4 7/8	7.15	11.40
T	.358	4 7/8	7.15	11.40
U	.368	5	7.95	12.85
V	.377	5	7.95	12.85
W	.386	5 1/8	8.50	13.25
X	.397	5 1/8	8.50	13.25
Y	.404	5 1/4	9.25	14.50
Z	.413	5 1/4	9.50	14.75

CHOICE OF TOLERANCE

+ .0002 OR + .0000 OR + .0001
 - .0000 - .0002 - .0001

A NOTE TO REMEMBER

WE CAN GRIND BLANKS TO A .00005 TOLERANCE

SIZES 33/64" THRU 1"
M2 HSS BLANKS
M42 SUPER HSS BLANKS



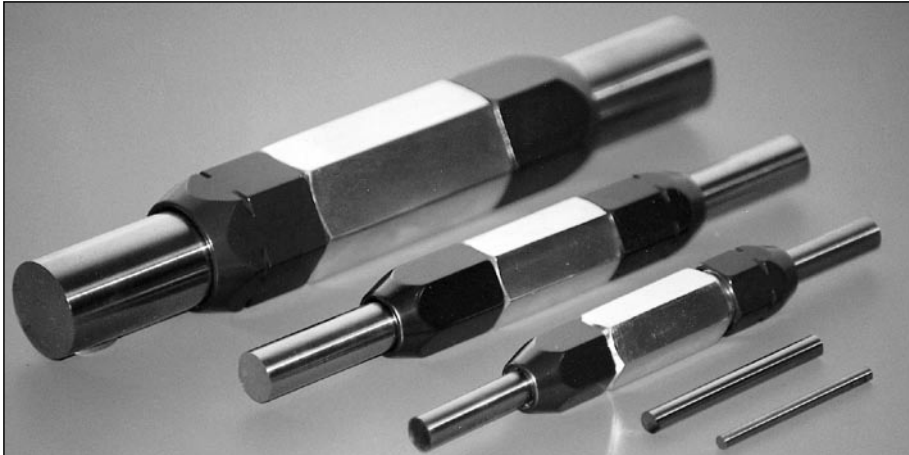
Size	Decimal Equivalent	Length Overall Inches	M2 Net Price Each	M42 Net Price Each
33/64	.515625	6	17.90	27.35
		9	31.00	47.75
		12	41.50	64.00
17/32	.53125	6	18.50	28.10
		9	32.75	50.50
		12	43.25	66.60
35/64	.546875	6	19.75	29.00
		9	33.50	52.75
		12	45.00	69.00
9/16	.5625	6	20.90	30.75
		9	35.75	55.25
		12	47.00	72.25
37/64	.578125	6	22.00	32.20
		9	37.00	57.00
		12	55.45	77.00
19/32	.59375	6	23.25	34.50
		9	39.00	60.00
		12	58.25	80.75
39/64	.609375	6	24.75	35.75
		9	41.25	64.75
		12	58.00	85.50
5/8	.6250	6	26.00	38.25
		9	42.75	67.60
		12	59.25	88.50
41/64	.640625	6	27.40	39.50
		9	47.00	70.50
		12	62.00	89.25
21/32	.65625	6	28.50	40.75
		9	48.10	72.15
		12	63.50	95.00
43/64	.671875	6	30.00	43.00
		9	49.25	73.75
		12	66.00	98.50
11/16	.6875	6	31.50	44.25
		9	51.50	77.15
		12	68.50	102.25
45/64	.703125	6	33.50	45.75
		9	53.50	79.80
		12	71.50	107.00
23/32	.71875	6	34.75	48.25
		9	55.25	82.75
		12	74.00	110.50
47/64	.734375	6	35.85	49.50
		9	56.00	83.80
		12	75.50	113.00
3/4	.7500	6	37.75	53.25
		9	59.00	87.25
		12	76.90	113.75

Size	Decimal Equivalent	Length Overall Inches	M2 Net Price Each	M42 Net Price Each
49/64	.765625	6	39.00	55.00
		9	60.80	88.40
		12	80.40	116.75
25/32	.78125	6	40.50	57.25
		9	62.75	91.25
		12	95.40	119.00
51/64	.796875	6	42.25	56.75
		9	64.50	93.75
		12	85.40	123.15
13/16	.8125	6	44.50	62.75
		9	67.75	96.25
		12	90.50	127.25
53/64	.828125	6	45.50	61.25
		9	69.25	98.50
		12	92.50	129.75
27/32	.84375	6	47.50	66.80
		9	72.25	100.85
		12	96.40	134.50
55/64	.859375	6	49.15	66.75
		9	74.75	103.75
		12	99.80	137.50
7/8	.8750	6	51.25	69.00
		9	78.00	107.25
		12	104.00	141.00
57/64	.890625	6	53.50	71.50
		9	79.60	112.04
		12	109.50	150.15
29/32	.90625	6	54.70	73.00
		9	82.50	113.30
		12	111.60	153.20
59/64	.921875	6	57.00	76.10
		9	86.00	116.30
		12	114.80	157.50
15/16	.9375	6	58.50	78.15
		9	88.30	119.15
		12	118.00	160.25
61/64	.953125	6	60.50	80.75
		9	91.00	125.35
		12	122.00	164.50
31/32	.96875	6	62.80	82.50
		9	95.30	128.75
		12	127.25	168.80
63/64	.984375	6	66.25	88.50
		9	100.60	133.00
		12	134.25	179.15
1"	1.0000	6	67.50	90.00
		9	102.30	137.00
		12	136.50	184.90

CHOICE OF TOLERANCE +.0002 **OR** +.0000 **OR** +.0001
 -.0000 -.0002 -.0001

GAGE MEMBERS

**ALL GAGE MEMBERS ARE MADE OF M2 HIGH SPEED STEEL
HARDNESS ROCKWELL "C" 62-64**



**HSS GAGE MEMBER
DISCOUNTS
ASSORTED SIZES**

25 pieces - 5%
50 pieces - 10%
100 pieces - 25%

**YOUR CHOICE OF
THREE TOLERANCES**

+ .0002 + .0000 + .0001
- .0000 OR - .0002 OR - .0001

2" LONG HSS GAGE MEMBER PRICES

.0100 - .0200\$5.75	.3751 - .4375 7.83	.9376 - 1.000..... 19.75
.0201 - .03124.70	.4376 - .5000 7.99	1.0001 - 1.0625 25.00
.0313 - .06254.25	.5001 - .5625 9.88	1.0626 - 1.1250 27.90
.0626 - .09384.22	.5626 - .6250 10.63	1.1251 - 1.1875 30.26
.0939 - .1250 4.60	.6251 - .6875 11.90	1.1876 - 1.2500 32.92
.1251 - .1875 5.97	.6876 - .7500 12.93	1.2501 - 1.3125 35.34
.1876 - .2500 6.49	.7501 - .8125 14.55	1.3126 - 1.3750 38.71
.2501 - .3125 7.00	.8126 - .8750 15.78	1.3751 - 1.4375 42.95
.3126 - .3750 7.31	.8751 - .9375 18.54	1.4376 - 1.5010 47.31

50.8 MM LONG METRIC HSS GAGE MEMBER PRICES

.2540 - .5080 5.75	9.5275 - 11.1125 \$7.83	23.8150 - 25.4000..... 19.75
.5105 - .7925 4.70	11.1150 - 12.7000 7.99	25.4025 - 26.9875..... 25.00
.7950 - 1.5875 4.25	12.7025 - 14.2875..... 9.88	26.9900 - 28.5750..... 27.90
1.5900 - 2.3825 4.22	14.2900 - 15.8750 10.63	28.5775 - 30.1625..... 30.26
2.3850 - 3.1750 4.60	15.8775 - 17.4625 11.90	30.1650 - 31.7500..... 32.92
3.1775 - 4.7625 5.97	17.4650 - 19.0500 12.93	31.7525 - 33.3375..... 35.34
4.7650 - 6.3500 6.49	19.0525 - 20.6375 14.55	33.3400 - 34.9250..... 38.71
6.3525 - 7.9375 7.00	20.6400 - 22.2250 15.78	34.9275 - 36.5125..... 42.95
7.9400 - 9.5250 7.31	22.2275 - 23.8125 18.54	36.5150 - 38.1254..... 47.31

**OTHER SIZES AND MATERIALS AVAILABLE
CALL FOR PRICING!**

HANDLES FOR ABOVE MEMBERS UP TO 1" CAN BE SUPPLIED

411 Business Park Lane • Allentown, PA 18109 • 610-434-5740 • FAX 610-434-7301

Visit us on the web at www.cencogrinding.com or www.drillblanks.com

QUICK DELIVERY DIRECT FROM OUR PLANT

Wire Size	Decimal Equivalent	Length Overall Inches	M2 Net Price Each	M42 Net Price Each
1	.2280	3 7/8	3.40	5.10
2	.2210	3 7/8	3.40	5.10
3	.2130	3 3/4	3.40	5.10
4	.2090	3 3/4	3.40	5.10
5	.2055	3 3/4	3.40	5.10
6	.2040	3 3/4	3.00	4.55
7	.2010	3 5/8	3.00	4.55
8	.1990	3 5/8	3.00	4.55
9	.1960	3 5/8	3.00	4.55
10	.1935	3 5/8	3.00	4.55
11	.1910	3 1/2	2.65	4.05
12	.1890	3 1/2	2.65	4.05
13	.1850	3 1/2	2.55	3.95
14	.1820	3 1/2	2.55	3.95
15	.1800	3 1/2	2.55	3.95
16	.1770	3 3/8	2.32	3.55
17	.1730	3 3/8	2.32	3.55
18	.1695	3 1/4	2.32	3.55
19	.1660	3 1/4	2.25	3.40
20	.1610	3 1/4	2.25	3.40
21	.1590	3 1/4	2.25	3.40
22	.1570	3 1/4	2.25	3.40
23	.1540	3	2.25	3.40
24	.1520	3	2.25	3.40
25	.1495	3	2.25	3.40
26	.1470	3	2.00	3.00
27	.1440	3	2.00	3.00
28	.1405	3	2.00	3.00
29	.1360	3	2.00	3.00
30	.1285	2 3/4	2.00	3.00

Wire Size	Decimal Equivalent	Length Overall Inches	M2 Net Price Each	M42 Net Price Each
31	.1200	2 3/4	1.85	2.95
32	.1160	2 3/4	1.85	2.80
33	.1130	2 3/4	1.85	2.80
34	.1110	2 3/4	1.85	2.80
35	.1100	2 3/4	1.85	2.80
36	.1065	2 1/2	1.85	2.80
37	.1040	2 1/2	1.85	2.80
38	.1015	2 1/2	1.85	2.80
39	.0995	2 1/2	1.85	2.80
40	.0980	2 1/2	1.85	2.80
41	.0960	2 1/2	1.80	2.75
42	.0935	2 1/4	1.80	2.75
43	.0890	2 1/4	1.80	2.75
44	.0860	2 1/4	1.80	2.75
45	.0820	2 1/4	1.80	2.75
46	.0810	2 1/4	1.80	2.75
47	.0785	2	1.75	2.70
48	.0760	2	1.75	2.70
49	.0730	2	1.75	2.70
50	.0700	2	1.75	2.70
51	.0670	2	1.70	2.50
52	.0635	1 7/8	1.70	2.50
53	.0595	1 7/8	1.70	2.50
54	.0550	1 7/8	1.70	2.50
55	.0520	1 7/8	1.70	2.50
56	.0465	1 3/4	1.80	2.65
57	.0430	1 3/4	1.80	2.65
58	.0420	1 5/8	1.80	2.65
59	.0410	1 5/8	1.80	2.65
60	.0400	1 5/8	1.80	2.65

CHOICE OF TOLERANCE

+.0002 OR +.0000 OR +.0001
-.0000 OR -.0002 OR -.0001

No Minimum Order

METRIC BLANKS

4.75 mm - 13.0 mm DIAMETER
M2 HIGH SPEED STEEL - ROCKWELL "C" 62-64
M42 HIGH SPEED STEEL - ROCKWELL "C" 65-67

Diameter mm	Length Overall mm	M2 Net Price Each	M42 Net Price Each
4.75	89	2.80	4.65
4.80	89	2.90	4.65
4.90	92	3.30	5.45
5.00	92	3.30	5.45
5.10	92	3.30	5.45
5.20	95	3.30	5.45
5.25	95	3.70	6.00
5.30	95	3.70	6.00
5.40	95	3.70	6.00
5.50	95	3.70	6.00
5.60	98	3.70	6.00
5.70	98	3.70	6.00
5.75	98	3.70	6.00
5.80	98	4.05	6.60
5.90	98	4.05	6.60
6.00	102	4.05	6.60
6.10	102	4.05	6.60
6.20	102	4.25	7.05
6.25	102	4.25	7.05
6.30	102	4.25	7.05
6.40	105	4.80	8.10
6.50	105	4.80	8.10
6.60	105	4.80	8.10
6.70	105	4.80	8.10
6.75	105	4.80	8.10
6.80	105	5.20	8.70
6.90	105	5.20	8.70
7.00	108	5.20	8.70
7.10	108	5.20	8.70
7.20	108	5.20	8.75
7.25	108	5.20	8.75
7.30	108	5.20	8.75
7.40	111	5.55	9.35
7.50	111	5.55	9.35
7.60	111	5.55	9.35

Diameter mm	Length Overall mm	M2 Net Price Each	M42 Net Price Each
7.70	114	6.25	10.30
7.75	114	6.25	10.30
7.80	114	6.25	10.30
7.90	114	6.25	10.30
8.00	114	6.25	10.30
8.10	117	6.75	11.15
8.20	117	6.75	11.15
8.25	117	6.75	11.15
8.30	117	6.75	11.15
8.40	121	6.75	11.15
8.50	121	7.45	12.25
8.60	121	7.45	12.25
8.70	121	8.00	13.40
8.75	124	8.00	13.40
8.80	124	8.00	13.40
8.90	124	8.00	13.40
9.00	124	8.00	13.40
9.10	124	8.00	13.40
9.20	127	8.60	14.75
9.25	127	8.60	14.75
9.30	127	8.60	14.75
9.40	127	8.60	14.75
9.50	127	8.65	14.75
9.60	130	9.25	16.00
9.70	130	9.25	16.00
9.75	130	9.40	16.00
9.80	130	9.40	16.00
9.90	130	9.40	16.00
10.00	130	9.40	16.00
10.50	133	10.25	17.70
11.00	140	12.25	20.30
11.50	142	14.50	21.90
12.00	149	15.75	23.00
12.50	152	19.00	25.55
13.00	152	21.25	32.40

CHOICE OF TOLERANCE $+0.0051\text{mm}$ -0.0000mm **OR** $+0.0000\text{mm}$ -0.0051mm **OR** $+0.0025\text{mm}$ -0.0025mm

METRIC BLANKS AVAILABLE .13 mm - 89 mm DIAMETER
LENGTHS UP TO 1981 mm TO SUIT YOUR REQUIREMENTS

METRIC BLANKS

.35 mm - 4.70 mm DIAMETER
M2 HIGH SPEED STEEL - ROCKWELL "C" 62-64
M42 HIGH SPEED STEEL - ROCKWELL "C" 65-67

Diameter mm	Length Overall mm	M2 Net Price Each	M42 Net Price Each
.35	38	4.50	6.50
.40	38	4.50	6.50
.45	38	4.50	6.50
.50	38	4.50	6.50
.55	38	3.70	5.25
.60	38	3.70	5.25
.65	38	3.70	5.25
.70	38	3.15	4.50
.75	38	3.15	4.50
.80	38	2.85	4.00
.85	38	2.85	4.00
.90	38	2.85	4.00
.95	38	2.60	3.60
1.00	38	2.60	3.60
1.05	41	2.40	3.40
1.10	44	2.40	3.40
1.15	44	2.40	3.40
1.20	48	2.40	3.40
1.25	48	2.40	3.40
1.30	48	2.25	3.30
1.35	48	2.25	3.30
1.40	48	2.25	3.30
1.45	48	2.25	3.30
1.50	48	2.25	3.30
1.55	48	2.25	3.30
1.60	48	2.25	3.30
1.65	51	2.25	3.30
1.70	51	2.25	3.30
1.75	51	2.10	3.10
1.80	51	2.10	3.10
1.85	51	2.10	3.10
1.90	51	2.10	3.10
1.95	51	2.10	3.10
2.00	51	2.10	3.25
2.05	57	2.10	3.25

Diameter mm	Length Overall mm	M2 Net Price Each	M42 Net Price Each
2.10	57	2.10	3.25
2.15	57	2.10	3.25
2.20	57	2.10	3.25
2.25	57	2.10	3.25
2.30	57	2.10	3.25
2.35	57	2.10	3.25
2.40	57	2.15	3.40
2.45	64	2.15	3.40
2.50	64	2.15	3.40
2.60	64	2.15	3.40
2.70	64	2.15	3.40
2.75	70	2.15	3.45
2.80	70	2.15	3.45
2.90	70	2.15	3.45
3.00	70	2.20	3.50
3.10	70	2.20	3.50
3.20	70	2.25	3.60
3.25	70	2.25	3.60
3.30	76	2.25	3.60
3.40	76	2.25	3.60
3.50	76	2.25	3.60
3.60	76	2.25	3.60
3.70	76	2.25	3.03
3.75	76	2.40	3.85
3.80	76	2.40	3.85
3.90	76	2.40	3.85
4.00	83	2.40	3.85
4.10	83	2.40	3.85
4.20	83	2.40	3.85
4.25	83	2.45	4.00
4.30	83	2.45	4.00
4.40	86	2.45	4.00
4.50	86	2.45	4.00
4.60	89	2.80	4.65
4.70	89	2.80	4.65

CHOICE OF TOLERANCE $+0.0051\text{mm}$ -0.0000mm **OR** $+0.0000\text{mm}$ -0.0051mm **OR** $+0.0025\text{mm}$ -0.0025mm

METRIC BLANKS AVAILABLE .13 mm - 89 mm DIAMETER
LENGTHS UP TO 1981 mm TO SUIT YOUR REQUIREMENTS

M-2 HIGH SPEED STEEL HARDENED & GROUND BLANKS

ALL HARDENED BLANKS ARE 62 – 64 R/C

36 INCH HARDENED & GROUND WIRE SIZE HSS LENGTHS TOLERANCE \pm .0003

Wire Size	Decimal Equivalent	Price Each
61	.0390	24.60
62	.0380	24.60
63	.0370	24.60
64	.0360	24.60
65	.0350	24.93
66	.0330	24.93
67	.0320	24.93
68	.0310	25.17
69	.0292	25.17
70	.0280	25.17
71	.0260	25.85
72	.0250	25.85
73	.0240	25.85
74	.0225	26.53
75	.0210	26.53
76	.0200	26.53
77	.0180	27.03
78	.0160	27.03
79	.0145	27.64
80	.0135	27.64

36 INCH HSS LENGTHS TOLERANCE \pm .001

Fractional Size	Decimal Equivalent	Annealed M2 High Speed Blanks	Hardened Ground
1/16	.0625	9.10	22.43
5/64	.078125	9.95	24.14
3/32	.09375	10.40	26.24
7/64	.109375	11.00	26.55
1/8	.1250	12.00	27.79
9/64	.140625	13.30	29.50
5/32	.15625	14.80	29.65
11/64	.171875	16.25	29.70
3/16	.1875	17.50	29.80
13/64	.203125	19.10	30.84
7/32	.21875	20.80	33.75
15/64	.234375	22.30	34.00
1/4	.2500	24.30	34.20
17/64	.265625	26.50	37.00
9/32	.28125	28.70	37.75
19/64	.296875	31.10	39.75
5/16	.3125	33.75	39.85
21/64	.328125	36.25	49.95
11/32	.343875	39.00	50.00
23/64	.359375	41.50	50.75
3/8	.3750	44.30	51.00
25/64	.390625	47.50	65.00
13/32	.40625	50.60	65.95
27/64	.421875	54.00	66.50
7/16	.4375	57.52	67.00
29/64	.453125	61.00	78.75
15/32	.46875	63.60	79.00
31/64	.484375	68.65	80.00
1/2	.5000	72.50	80.00
17/32	.53125	80.60	227.50
9/16	.5625	89.60	240.00
19/32	.59375	105.30	241.50
5/8	.6250	105.70	255.75
21/32	.65625	116.40	300.25
11/16	.6875	125.70	315.50
23/32	.71875	136.40	330.25
3/4	.7500	147.65	380.75
7/8	.8750	197.50	471.00
1	1.0000	255.90	495.50

24 INCH HARDENED & GROUND TOLERANCE \pm .001

Fractional Size	Decimal Equivalent	Hardened Ground
17/32	.5312	125.25
9/16	.5625	150.25
5/8	.6250	158.00
11/16	.6875	190.75
23/32	.7188	200.00
3/4	.7500	211.25
13/16	.8125	240.00
7/8	.8750	246.75
1	1.0000	282.00
1-1/16	1.0620	395.00
1-1/8	1.1250	400.00
1-3/16	1.1870	515.50
1-1/4	1.2500	635.75
1-5/16	1.3125	725.00
1-3/8	1.3750	730.50
1-7/16	1.4375	805.75
1-1/2	1.5000	890.00

Additional sizes and tolerances available.

M42 HIGH SPEED STEEL HARDENED & GROUND BLANKS

36 INCH HSS LENGTHS TOLERANCE $\pm .001$

- **HARDENED**
- **TEMPERED**
- **PRECISION GROUND....**

Hardness: Rockwell C 65-67
DIAM.: TOLERANCE: $\pm .001$

24 INCH HARDENED & GROUND TOLERANCE $\pm .001$

Fractional Size	Decimal Equivalent	Price Each
9/16	.5625	270.96
5/8	.6250	317.52
11/16	.6875	367.68
3/4	.7500	404.16
13/16	.8125	448.22
7/8	.8750	490.20
1	1.0000	648.25
1-1/16	1.0620	767.94
1-1/8	1.1250	851.03
1-3/16	1.1875	875.25
1-1/4	1.2500	878.88
1-5/16	1.3125	887.03
1-3/8	1.3750	927.11
1-7/16	1.4375	956.99
1-1/2	1.5000	999.75

Fractional Size	Decimal Equivalent	Price Each
1/16	.0625	50.25
5/64	.078125	53.75
3/32	.09375	53.85
7/64	.109375	58.60
1/8	.1250	61.25
9/64	.140625	61.40
5/32	.15625	62.75
11/64	.171875	64.40
3/16	.1875	64.79
13/64	.203125	67.23
7/32	.21875	67.77
15/64	.234375	71.24
1/4	.2500	71.83
17/64	.265625	81.22
9/32	.28125	82.14
19/64	.296875	85.23
5/16	.3125	86.15
21/64	.328125	95.55
11/32	.343875	98.75
23/64	.359375	135.82
3/8	.3750	135.75
25/64	.390625	145.67
13/32	.40625	146.82
27/64	.421875	155.43
7/16	.4375	157.40
29/64	.453125	160.62
15/32	.46875	161.56
31/64	.484375	170.61
1/2	.5000	175.75