

**THE HOME OF PRECISION GROUND
DRILLS AND TOOLS**



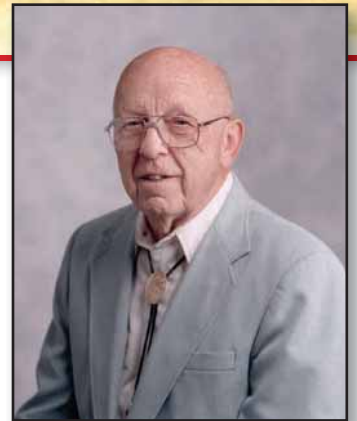
2019 EDITION

PROUDLY MADE IN THE U.S.A.



OUR COMPANY

PROUDLY MADE IN THE U.S.A.



As we celebrate 70 years of business at Ohio Drill & Tool Company, we pause to honor our founder, George E. Sanor. His knowledge and enthusiasm of the drill and tool industry has been passed to the generations that follow. Ohio Drill & Tool Company is now operated by the third and fourth generation of ownership and continues to thrive, thanks to our many loyal customers. We continue to offer exceptional quality and personal service. Thank you for your continued support.

George E. Sanor
September 4, 1916 – April 22, 2006

OUR PRODUCT

Ohio Drill & Tool Company excels in the manufacturing of high quality, precision cutting tools. We meet and exceed our customer's expectations in value, delivery, and quality.

We specialize in the production of extra length small diameter; twist drills, spiral reamers, half rounds, and straight flute drills.

We manufacture **Special Twist Drills** in diameters as small as #100 wire gage (.005") , or 15mm. Special drills can be made with regular, high, or low helix, per our customer's discretion. Drills can also be manufactured with parabolic flute shapes. Twist drills can also have split points or faceted points. We use high quality M-1, M-2, and M-42 (cobalt) high speed steel for all of our tools.

Drill and Reamer Blanks are made in standard and special lengths, in diameters from #100 wire gage (.005") up to 1" (1.000") and metric .15mm up to 25.0mm.

We manufacture **Half-Round Drills** from #80 wire gage (.0135") up to 1" (1.000") and metric .35mm up to 25.0mm, including special diameter and special lengths. Half-Round Drills work exceptionally well in brass and free machining aluminum.

We manufacture special drills for many industries including Tire, Welding, Medical, Dental, and EDM. Our special drills are made per request of length, diameter, point angle, helix angle, and many more specifications.

Quotes on special drills can be in quantities as low as 12 pieces. Ohio Drill stocks large quantities of high-speed steel and can offer quick delivery on special made drills. We stock many sizes and types of specials and can often fill orders from stock.

Consistent provision of high-quality cutting tools is our business; continued commitment to our customers is our profession.



OHIO DRILL & TOOL COMPANY
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POLICIES AND PROCEDURES

ORDERS

There is a minimum order of \$30.00 net. Orders less than the minimum order will be shipped with a \$10.00 handling charge.

We reserve the right to ship 10% over or under the order quantity on special made orders.

Cutting tools are made in the USA.

Prices are subject to change without notice.

TERMS

Net 30 days to qualified accounts. C.O.D. is available. Visa, MasterCard, American Express and Discover accepted with a 3% convenience fee.

BROKEN PACKAGE

Broken package charge of \$5.00 per size.

FREIGHT

All orders will be shipped UPS prepaid and added to invoice unless a collect number is provided. Alternate carriers will be provided upon request. Insurance charges will be applied at the seller's discretion unless instructed otherwise.

DAMAGED FREIGHT

Please let shipper know if your goods are damaged. Ohio Drill will assist you with your claim if you need help.

RETURNS

You must obtain authorization prior to returning any goods. There is a 15% restocking charge on authorized returned goods. Specials will not be accepted for return unless they are found to be defective in quality or workmanship.

CAUTION

Any cutting tool may break or shatter when improperly used. Caution must be exercised. Government regulations require use of safety glasses and other appropriate safety equipment at all times in the vicinity of use.



OHIO DRILL & TOOL COMPANY

THE HOME OF PRECISION GROUND DRILLS & TOOLS

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P.O. BOX 154

HOMEWORTH, OH 44634

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TOLL FREE : 1-800- 826-5237

FAX: 330-525-5432

E-mail Us For Quotes and Orders:

Email: joe@ohiodrill.com dave@ohiodrill.com ross@ohiodrill.com

QUALITY POLICY STATEMENT



OHIO DRILL & TOOL COMPANY supplies high quality cutting tools.

We meet and exceed our customer's expectations in:

VALUE, DELIVERY, QUALITY



PROUDLY MADE IN THE U.S.A.

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HIGH SPEED BLANKS

PACKAGE QTY.

Tolerance +.0000" -.0005"

Ground **Drill Blanks** are fully hardened and centerless ground to standard drill tolerances and are held to standard drill lengths overall.

Tolerance +.0002" -.0000"

Gauge or **Reamer Blanks** are precision ground to standard reamer tolerances, yet they are made to standard jobber lengths and are fully hardened.

1/64"-19/64" 12 pcs. per pack

5/16" UP 6 pcs. per pack

A - N 12 pcs. per pack

O - Z 6 pcs. per pack

PROUDLY MADE IN THE U.S.A.



FRACTIONAL SIZES

Size	Drill Blank #	Reamer Blank #	Decimal Equivalent	Overall Length	Price Each
1/64	551001	555001	.0156	3/4	1.75
1/32	551002	555002	.0313	1-3/8	1.75
3/64	551003	555003	.0469	1-3/4	1.57
1/16	551004	555004	.0625	1-7/8	1.57
5/64	551005	555005	.0781	2	1.62
3/32	551006	555006	.0938	2-1/4	1.62
7/64	551007	555007	.1094	2-5/8	1.62
1/8	551008	555008	.1250	2-3/4	1.75
9/64	551009	555009	.1406	2-7/8	1.75
5/32	551010	555010	.1563	3-1/8	1.87
11/64	551011	555011	.1719	3-1/4	2.02
3/16	551012	555012	.1875	3-1/2	2.26
13/64	551013	555013	.2031	3-5/8	2.58
7/32	551014	555014	.2188	3-3/4	2.91
15/64	551015	555015	.2344	3-7/8	3.23
1/4	551016	555016	.2500	4	3.55
17/64	551017	555017	.2656	4-1/8	3.87
9/32	551018	555018	.2813	4-1/4	4.19
19/64	551019	555019	.2969	4-3/8	4.52
5/16	551020	555020	.3125	4-1/2	4.88
21/64	551021	555021	.3281	4-5/8	5.42
11/32	551022	555022	.3438	4-3/4	5.97
23/64	551023	555023	.3594	4-7/8	6.52
3/8	551024	555024	.3750	5	7.07
25/64	551025	555025	.3906	5-1/8	7.74
13/32	551026	555026	.4063	5-1/4	8.41
27/64	551027	555027	.4219	5-3/8	9.09
7/16	551028	555028	.4375	5-1/2	9.75
29/64	551029	555029	.4531	5-5/8	10.39
15/32	551030	555030	.4688	5-3/4	11.04
31/64	551031	555031	.4844	5-7/8	11.67
1/2	551032	555032	.5000	6	12.31

Size	Drill Blank #	Reamer Blank #	Decimal Equivalent	Overall Length	Price Each
33/64	551033	555033	.5156	6	13.61
17/32	551034	555034	.5312	6	14.91
35/64	551035	555035	.5469	6	16.20
9/16	551036	555036	.5625	6	17.53
37/64	551037	555037	.5781	6	18.26
19/32	551038	555038	.5938	6	18.98
39/64	551039	555039	.6094	6	19.69
5/8	551040	555040	.6250	6	20.40
41/64	551041	555041	.6406	6	20.40
21/32	551042	555042	.6562	6	21.95
43/64	551043	555043	.6719	6	22.77
11/16	551044	555044	.6875	6	23.36
45/64	551045	555045	.7031	6	24.38
23/32	551046	555046	.7188	6	25.23
47/64	551047	555047	.7344	6	25.84
3/4	551048	555048	.7500	6	26.70
49/64	551049	555049	.7656	6	28.09
25/32	551050	555050	.7812	6	28.99
51/64	551051	555051	.7969	6	30.01
13/16	551052	555052	.8125	6	30.81
53/64	551053	555053	.8281	6	34.47
27/32	551054	555054	.8438	6	35.43
55/64	551055	555055	.8594	6	36.44
7/8	551056	555056	.8750	6	37.55
57/64	551057	555057	.8906	6	41.45
29/32	551058	555058	.9062	6	42.55
59/64	551059	555059	.9219	6	43.63
15/16	551060	555060	.9375	6	45.61
61/64	551061	555061	.9531	6	48.99
31/32	551062	555062	.9688	6	51.00
63/64	551063	555063	.9844	6	52.07
1 inch	551064	555064	1.0000	6	53.91

LETTER SIZES

Size	Drill Blank #	Reamer Blank #	Decimal Equivalent	Overall Length	Price Each
A	553901	557901	.2340	3-7/8	3.23
B	553902	557902	.2380	4	3.32
C	553903	557903	.2420	4	3.40
D	553904	557904	.2460	4	3.48
E	553905	557905	.2500	4	3.55
F	553906	557906	.2570	4-1/8	3.55
G	553907	557907	.2610	4-1/8	3.55
H	553908	557908	.2660	4-1/8	3.98
I	553909	557909	.2720	4-1/8	3.98
J	553910	557910	.2770	4-1/8	3.98
K	553911	557911	.2810	4-1/4	4.42
L	553912	557912	.2900	4-1/4	4.42
M	553913	557913	.2950	4-3/8	4.42

Size	Drill Blank #	Reamer Blank #	Decimal Equivalent	Overall Length	Price Each
N	553914	557914	.3020	4-3/8	4.42
O	553915	557915	.3160	4-1/2	4.88
P	553916	557916	.3230	4-5/8	4.88
Q	553917	557917	.3320	4-3/4	5.42
R	553918	557918	.3390	4-3/4	5.42
S	553919	557919	.3480	4-7/8	5.97
T	553920	557920	.3580	4-7/8	6.52
U	553921	557921	.3680	5	6.52
V	553922	557922	.3770	5	7.07
W	553923	557923	.3860	5-1/8	7.07
X	553924	557924	.3970	5-1/8	7.74
Y	553925	557925	.4040	5-1/4	8.41
Z	553926	557926	.4130	5-1/4	8.41

Cobalt Drill Blanks Available Upon Request

PHONE 800-826-5237



FAX 330-525-5432

HIGH SPEED BLANKS

PACKAGE QTY.

12 pcs. per pack

Tolerance +.0000" - .0005"

Ground **Drill Blanks** are fully hardened and centerless ground to standard drill tolerances and are held to standard drill lengths overall.

Tolerance +.0002" - .0000"

Gauge or **Reamer Blanks** are precision ground to standard reamer tolerances, yet they are made to standard jobber lengths and are fully hardened.



PROUDLY MADE IN THE U.S.A.



WIRE GAUGE SIZES

Wire Size	Drill Blank #	Reamer Blank #	Decimal Equivalent	Overall Length	Price Each
1	552801	556801	.2280	3-7/8	2.91
2	552802	556802	.2210	3-7/8	2.91
3	552803	556803	.2130	3-3/4	2.91
4	552804	556804	.2090	3-3/4	2.91
5	552805	556805	.2055	3-3/4	2.91
6	552806	556806	.2040	3-3/4	2.58
7	552807	556807	.2010	3-5/8	2.26
8	552808	556808	.1990	3-5/8	2.26
9	552809	556809	.1960	3-5/8	2.26
10	552810	556810	.1935	3-5/8	2.26
11	552811	556811	.1910	3-1/2	2.26
12	552812	556812	.1890	3-1/2	2.26
13	552813	556813	.1850	3-1/2	2.26
14	552814	556814	.1820	3-3/8	2.15
15	552815	556815	.1800	3-3/8	2.15
16	552816	556816	.1770	3-3/8	2.15
17	552817	556817	.1730	3-3/8	2.02
18	552818	556818	.1695	3-1/4	2.02
19	552819	556819	.1660	3-1/4	1.94
20	552820	556820	.1610	3-1/4	1.94
21	552821	556821	.1590	3-1/4	1.94
22	552822	556822	.1570	3-1/8	1.87
23	552823	556823	.1540	3-1/8	1.87
24	552824	556824	.1520	3-1/8	1.87
25	552825	556825	.1495	3	1.80
26	552826	556826	.1470	3	1.80
27	552827	556827	.1440	3	1.80
28	552828	556828	.1405	2-7/8	1.75
29	552829	556829	.1360	2-7/8	1.75
30	552830	556830	.1285	2-3/4	1.75
31	552831	556831	.1200	2-3/4	1.75
32	552832	556832	.1160	2-3/4	1.75
33	552833	556833	.1130	2-5/8	1.75
34	552834	556834	.1110	2-5/8	1.75
35	552835	556835	.1100	2-5/8	1.62
36	552836	556836	.1065	2-1/2	1.62
37	552837	556837	.1040	2-1/2	1.62
38	552838	556838	.1015	2-1/2	1.62
39	552839	556839	.0995	2-3/8	1.62
40	552840	556840	.0980	2-3/8	1.62

Wire Size	Drill Blank #	Reamer Blank #	Decimal Equivalent	Overall Length	Price Each
41	552841	556841	.0960	2-3/8	1.62
42	552842	556842	.0935	2-1/4	1.62
43	552843	556843	.0890	2-1/4	1.62
44	552844	556844	.0860	2-1/8	1.62
45	552845	556845	.0820	2-1/8	1.62
46	552846	556846	.0810	2-1/8	1.62
47	552847	556847	.0785	2	1.62
48	552848	556848	.0760	2	1.62
49	552849	556849	.0730	2	1.62
50	552850	556850	.0700	2	1.62
51	552851	556851	.0670	2	1.62
52	552852	556852	.0635	1-7/8	1.57
53	552853	556853	.0595	1-7/8	1.57
54	552854	556854	.0550	1-7/8	1.57
55	552855	556855	.0520	1-7/8	1.57
56	552856	556856	.0465	1-3/4	1.57
57	552857	556857	.0430	1-3/4	1.57
58	552858	556858	.0420	1-5/8	1.57
59	552859	556859	.0410	1-5/8	1.57
60	552860	556860	.0400	1-5/8	1.57
61	552861	556861	.0390	1-5/8	1.57
62	552862	556862	.0380	1-1/2	1.57
63	552863	556863	.0370	1-1/2	1.57
64	552864	556864	.0360	1-1/2	1.57
65	552865	556865	.0350	1-1/2	1.57
66	552866	556866	.0330	1-3/8	1.57
67	552867	556867	.0320	1-3/8	1.57
68	552868	556868	.0310	1-3/8	1.57
69	552869	556869	.0292	1-3/8	1.66
70	552870	556870	.0280	1-1/4	1.66
71	552871	556871	.0260	1-1/4	1.66
72	552872	556872	.0250	1-1/8	1.66
73	552873	556873	.0240	1-1/8	1.66
74	552874	556874	.0225	1	1.66
75	552875	556875	.0210	1	1.66
76	552876	556876	.0200	7/8	1.66
77	552877	556877	.0180	7/8	1.66
78	552878	556878	.0160	7/8	1.66
79	552879	556879	.0145	3/4	1.66
80	552880	556880	.0135	3/4	1.66

Miniature Drill Blanks Available on Page 14

Decimal Size Drill and Gauge Blanks Available Upon Request

Email: joe@ohiodrill.com

dave@ohiodrill.com

ross@ohiodrill.com

HIGH SPEED BLANKS

Tolerance +.0000" - .0005"

Ground **Drill Blanks** are fully hardened and centerless ground to standard drill tolerances and are held to standard drill lengths overall.

Tolerance +.0002" - .0000"

Gauge or **Reamer Blanks** are precision ground to standard reamer tolerances, yet they are made to standard jobber lengths and are fully hardened.

PACKAGE QTY.

12 pcs. per pack



METRIC SIZES

PROUDLY MADE IN THE U.S.A.



Metric Size	Drill Blank #	Reamer Blank #	Decimal Equivalent	Overall Length	Price Each
.15	554005	558005	.0059	3/4	3.57
.18	554006	558006	.0071	3/4	2.81
.20	554007	558007	.0079	3/4	2.81
.23	554008	558008	.0091	3/4	2.81
.25	554009	558009	.0098	3/4	2.81
.28	554010	558010	.0110	3/4	2.81
.30	554011	558011	.0118	3/4	2.57
.35	554013	558013	.0138	3/4	1.75
.40	554015	558015	.0157	3/4	1.75
.45	554017	558017	.0177	7/8	1.75
.50	554019	558019	.0197	7/8	1.75
.55	554021	558021	.0217	1	1.75
.60	554023	558023	.0236	1-1/8	1.75
.65	554025	558025	.0256	1-1/4	1.75
.70	554027	558027	.0276	1-1/4	1.75
.75	554029	558029	.0295	1-3/8	1.75
.80	554031	558031	.0315	1-3/8	1.75
.85	554033	558033	.0335	1-1/2	1.75
.90	554035	558035	.0354	1-1/2	1.75
.95	554037	558037	.0374	1-1/2	1.75
1.00	554039	558039	.0394	1-11/32	1.75
1.05	554041	558041	.0413	1-11/32	1.57
1.10	554043	558043	.0433	1-7/16	1.57
1.15	554045	558045	.0453	1-7/16	1.57
1.20	554047	558047	.0472	1-1/2	1.57
1.25	554049	558049	.0492	1-1/2	1.57
1.30	554051	558051	.0512	1-1/2	1.57
1.35	554053	558053	.0532	1-9/16	1.57
1.40	554055	558055	.0551	1-9/16	1.57
1.45	554057	558057	.0571	1-9/16	1.57
1.50	554059	558059	.0591	1-9/16	1.57
1.55	554061	558061	.0610	1-11/16	1.57
1.60	554062	558062	.0630	1-11/16	1.57
1.65	554064	558064	.0650	1-11/16	1.57
1.70	554066	558066	.0669	1-11/16	1.57
1.75	554068	558068	.0689	1-13/16	1.57
1.80	554070	558070	.0709	1-13/16	1.57
1.85	554072	558072	.0728	1-13/16	1.57
1.90	554074	558074	.0748	1-13/16	1.57
1.95	554076	558076	.0768	1-15/16	1.57
2.00	554078	558078	.0787	1-15/16	1.62
2.05	554080	558080	.0807	1-15/16	1.62
2.10	554082	558082	.0827	1-15/16	1.62

Metric Size	Drill Blank #	Reamer Blank #	Decimal Equivalent	Overall Length	Price Each
2.15	554084	558084	.0846	2-3/32	1.62
2.20	554086	558086	.0866	2-3/32	1.62
2.25	554088	558088	.0886	2-3/32	1.62
2.30	554090	558090	.0906	2-3/32	1.62
2.35	554092	558092	.0925	2-3/32	1.62
2.40	554094	558094	.0945	2-1/4	1.62
2.45	554096	558096	.0965	2-1/4	1.62
2.50	554098	558098	.0984	2-1/4	1.62
2.60	554102	558102	.1024	2-1/4	1.62
2.70	554106	558106	.1063	2-13/32	1.62
2.75	554108	558108	.1083	2-13/32	1.62
2.80	554110	558110	.1102	2-13/32	1.62
2.90	554114	558114	.1142	2-13/32	1.62
3.00	554118	558118	.1181	2-13/32	1.62
3.10	554122	558122	.1220	2-9/16	1.75
3.20	554125	558125	.1260	2-3/4	1.75
3.25	554127	558127	.1280	2-3/4	1.75
3.30	554129	558129	.1299	2-7/8	1.75
3.40	554133	558133	.1339	2-7/8	1.75
3.50	554137	558137	.1378	2-7/8	1.75
3.60	554141	558141	.1417	3	1.75
3.70	554145	558145	.1457	3	1.75
3.75	554147	558147	.1476	3	1.75
3.80	554149	558149	.1496	3-1/8	1.75
3.90	554153	558153	.1535	3-1/8	1.87
4.00	554157	558157	.1575	3-1/4	1.87
4.10	554161	558161	.1614	3-1/4	1.87
4.20	554165	558165	.1654	3-1/4	1.87
4.25	554167	558167	.1673	3-1/4	1.87
4.30	554169	558169	.1693	3-1/4	1.87
4.40	554173	558173	.1732	3-3/8	2.02
4.50	554177	558177	.1772	3-3/8	2.02
4.60	554181	558181	.1811	3-3/8	2.02
4.70	554185	558185	.1850	3-1/2	2.02
4.75	554187	558187	.1870	3-1/2	2.26
4.80	554188	558188	.1890	3-1/2	2.26
4.90	554192	558192	.1929	3-5/8	2.26
5.00	554196	558196	.1969	3-5/8	2.26
5.10	554200	558200	.2008	3-5/8	2.26
5.20	554204	558204	.2047	3-3/4	2.58
5.25	554206	558206	.2067	3-3/4	2.58
5.30	554208	558208	.2087	3-3/4	2.58
5.40	554212	558212	.2126	3-3/4	2.58

1.00mm - 3.10mm Manufactured to DIN Lengths

Decimal Size Drill and Gauge Blanks Available Upon Request

PHONE 800-826-5237



FAX 330-525-5432

HIGH SPEED BLANKS

PACKAGE QTY.

Tolerance + .0000" - .0005"

Ground **Drill Blanks** are fully hardened and centerless ground to standard drill tolerances and are held to standard drill lengths overall.

Tolerance +.0002" - .0000"

Gauge or **Reamer Blanks** are precision ground to standard reamer tolerances, yet they are made to standard jobber lengths and are fully hardened.



5.50 - 7.75 12 pcs. per pack
7.80 -13.00 6 pcs. per pack
13.50 - 20.00 1 pcs. per pack



METRIC SIZES

PROUDLY MADE IN THE U.S.A.



Metric Size	Drill Blank #	Reamer Blank #	Decimal Equivalent	Overall Length	Price Each
5.50	554216	558216	.2165	3-3/4	2.91
5.60	554220	558220	.2205	3-7/8	2.91
5.70	554224	558224	.2244	3-7/8	2.91
5.75	554226	558226	.2264	3-7/8	2.91
5.80	554228	558228	.2284	3-7/8	2.91
5.90	554232	558232	.2323	3-7/8	3.23
6.00	554236	558236	.2362	4	3.23
6.10	554240	558240	.2402	4	3.23
6.20	554244	558244	.2441	4	3.23
6.25	554246	558246	.2461	4	3.23
6.30	554248	558248	.2480	4	3.55
6.40	554251	558251	.2520	4-1/8	3.55
6.50	554255	558255	.2559	4-1/8	3.55
6.60	554259	558259	.2598	4-1/8	3.55
6.70	554263	558263	.2638	4-1/8	3.55
6.75	554265	558265	.2658	4-1/8	3.87
6.80	554267	558267	.2677	4-1/8	3.87
6.90	554271	558271	.2717	4-1/8	3.87
7.00	554275	558275	.2756	4-1/8	3.87
7.10	554279	558279	.2795	4-1/4	4.19
7.20	554283	558283	.2835	4-1/4	4.19
7.25	554285	558285	.2854	4-1/4	4.19
7.30	554287	558287	.2874	4-1/4	4.19
7.40	554291	558291	.2913	4-3/8	4.19
7.50	554295	558295	.2953	4-3/8	4.52
7.60	554299	558299	.2992	4-3/8	4.52
7.70	554303	558303	.3032	4-1/2	4.52
7.75	554305	558305	.3051	4-1/2	4.52
7.80	554307	558307	.3071	4-1/2	4.52
7.90	554311	558311	.3110	4-1/2	4.88
8.00	554314	558314	.3150	4-1/2	4.88
8.10	554318	558318	.3189	4-5/8	4.88
8.20	554322	558322	.3228	4-5/8	4.88
8.25	554324	558324	.3248	4-5/8	4.88
8.30	554326	558326	.3268	4-5/8	5.42
8.40	554330	558330	.3307	4-3/4	5.42
8.50	554334	558334	.3347	4-3/4	5.42
8.60	554338	558338	.3386	4-3/4	5.42

Metric Size	Drill Blank #	Reamer Blank #	Decimal Equivalent	Overall Length	Price Each
8.70	554342	558342	.3425	4-3/4	5.97
8.75	554344	558344	.3445	4-7/8	5.97
8.80	554346	558346	.3465	4-7/8	5.97
8.90	554350	558350	.3504	4-7/8	5.97
9.00	554354	558354	.3543	4-7/8	5.97
9.10	554358	558358	.3583	4-7/8	6.52
9.20	554362	558362	.3622	5	6.52
9.25	554364	558364	.3642	5	6.52
9.30	554366	558366	.3661	5	6.52
9.40	554370	558370	.3701	5	6.52
9.50	554374	558374	.3740	5	7.07
9.60	554377	558377	.3780	5-1/8	7.07
9.70	554381	558381	.3819	5-1/8	7.07
9.75	554383	558383	.3839	5-1/8	7.07
9.80	554385	558385	.3858	5-1/8	7.07
9.90	554389	558389	.3898	5-1/8	7.74
10.00	554393	558393	.3937	5-1/8	7.74
10.50	554413	558413	.4134	5-3/8	8.41
11.00	554433	558433	.4331	5-1/2	9.09
11.50	554452	558452	.4528	5-5/8	9.75
12.00	554472	558472	.4724	5-7/8	10.39
12.50	554492	558492	.4921	6	11.67
13.00	554511	558511	.5118	6	13.61
13.50	554531	558531	.5315	6	14.56
14.00	554551	558551	.5512	6	17.53
14.50	554570	558570	.5709	6	18.26
15.00	554590	558590	.5906	6	18.98
15.50	554610	558610	.6102	6	19.69
16.00	554629	558629	.6299	6	20.40
16.50	554649	558649	.6496	6	21.95
17.00	554669	558669	.6693	6	22.77
17.50	554688	558688	.6890	6	23.36
18.00	554708	558708	.7087	6	24.38
18.50	554728	558728	.7283	6	25.23
19.00	554748	558748	.7480	6	26.70
19.50	554767	558767	.7677	6	28.09
20.00	554787	558787	.7874	6	30.01

Decimal Size Drill and Gauge Blanks Available Upon Request

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GENERAL PURPOSE JOBBER DRILLS

A multipurpose drill designed for use in many types of materials under normal drilling conditions. 118 deg. standard drill point.

	Package Qty.	
1/64"-19/64"	12 pcs. per pack	Bright
5/16" - 1/2"	6 pcs. per pack	Bright
33/64"- 11/16"	1 pc. per pack	Black
A-N	12 pcs. per pack	Bright
O - Z	6 pcs. per pack	Bright



FRACTIONAL SIZES

PROUDLY MADE IN THE U.S.A.



Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1/64	501001	.0156	3/4	3/16	2.26
1/32	501002	.0313	1-3/8	1/2	1.38
3/64	501003	.0469	1-3/4	3/4	1.38
1/16	501004	.0625	1-7/8	7/8	1.35
5/64	501005	.0781	2	1	1.35
3/32	501006	.0938	2-1/4	1-1/4	1.10
7/64	501007	.1094	2-5/8	1-1/2	1.10
1/8	501008	.1250	2-3/4	1-5/8	1.10
9/64	501009	.1406	2-7/8	1-3/4	1.21
5/32	501010	.1563	3-1/8	2	1.24
11/64	501011	.1719	3-1/4	2-1/8	1.30
3/16	501012	.1875	3-1/2	2-5/16	1.44
13/64	501013	.2031	3-5/8	2-7/16	1.65
7/32	501014	.2188	3-3/4	2-1/2	1.77
15/64	501015	.2344	3-7/8	2-5/8	1.95
1/4	501016	.2500	4	2-3/4	2.09
17/64	501017	.2656	4-1/8	2-7/8	2.46
9/32	501018	.2813	4-1/4	2-15/16	2.59
19/64	501019	.2969	4-3/8	3-1/16	3.04
5/16	501020	.3125	4-1/2	3-3/16	3.26
21/64	501021	.3281	4-5/8	3-5/16	3.68
11/32	501022	.3438	4-3/4	3-7/16	4.11

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
23/64	501023	.3594	4-7/8	3-1/2	4.60
3/8	501024	.3750	5	3-5/8	4.76
25/64	501025	.3906	5-1/8	3-3/4	5.49
13/32	501026	.4063	5-1/4	3-7/8	5.67
27/64	501027	.4219	5-3/8	3-15/16	6.25
7/16	501028	.4375	5-1/2	4-1/16	6.55
29/64	501029	.4531	5-5/8	4-3/16	7.34
15/32	501030	.4688	5-3/4	4-5/16	7.79
31/64	501031	.4844	5-7/8	4-3/8	8.20
1/2	501032	.5000	6	4-1/2	8.33
33/64	501033	.5156	6-5/8	4-13/16	17.88
17/32	501034	.5312	6-5/8	4-13/16	18.73
35/64	501035	.5469	6-5/8	4-13/16	20.25
9/16	501036	.5625	6-5/8	4-13/16	21.21
37/64	501037	.5781	6-5/8	4-13/16	21.27
19/32	501038	.5938	7-1/8	5-3/16	21.83
39/64	501039	.6094	7-1/8	5-3/16	23.97
5/8	501040	.6250	7-1/8	5-3/16	23.41
41/64	501041	.6406	7-1/8	5-3/16	25.64
21/32	501042	.6562	7-1/8	5-3/16	24.76
43/64	501043	.6719	7-5/8	5-5/8	29.09
11/16	501044	.6875	7-5/8	5-5/8	28.42

LETTER SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
A	503901	.2340	3-7/8	2-5/8	2.26
B	503902	.2380	4	2-3/4	2.26
C	503903	.2420	4	2-3/4	2.26
D	503904	.2460	4	2-3/4	2.26
E	503905	.2500	4	2-3/4	2.26
F	503906	.2570	4-1/8	2-7/8	2.49
G	503907	.2610	4-1/8	2-7/8	2.77
H	503908	.2660	4-1/8	2-7/8	2.77
I	503909	.2720	4-1/8	2-7/8	2.77
J	503910	.2770	4-1/8	2-7/8	2.98
K	503911	.2810	4-1/4	2-15/16	3.26
L	503912	.2900	4-1/4	2-15/16	3.26
M	503913	.2950	4-3/8	3-1/16	3.44

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
N	503914	.3020	4-3/8	3-1/16	3.49
O	503915	.3160	4-1/2	3-3/16	3.49
P	503916	.3230	4-5/8	3-5/16	4.00
Q	503917	.3320	4-3/4	3-7/16	4.00
R	503918	.3390	4-3/4	3-7/16	4.27
S	503919	.3480	4-7/8	3-1/2	4.58
T	503920	.3580	4-7/8	3-1/2	5.17
U	503921	.3680	5	3-5/8	5.17
V	503922	.3770	5	3-5/8	5.40
W	503923	.3860	5-1/8	3-3/4	5.61
X	503924	.3970	5-1/8	3-3/4	6.78
Y	503925	.4040	5-1/4	3-7/8	7.89
Z	503926	.4130	5-1/4	3-7/8	8.07

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PHONE 800-826-5237



FAX 330-525-5432

GENERAL PURPOSE JOBBER DRILLS

A multipurpose drill designed for use in many types of materials under normal drilling conditions. 118 deg. standard drill point.

Package Qty.
#1 - #80 12 pcs. per pack Bright



WIRE GAUGE SIZES

PROUDLY MADE IN THE U.S.A.



Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1	502801	.2280	3-7/8	2-5/8	2.15
2	502802	.2210	3-7/8	2-5/8	2.15
3	502803	.2130	3-3/4	2-1/2	1.95
4	502804	.2090	3-3/4	2-1/2	1.95
5	502805	.2055	3-3/4	2-1/2	1.95
6	502806	.2040	3-3/4	2-1/2	1.95
7	502807	.2010	3-5/8	2-7/16	1.74
8	502808	.1990	3-5/8	2-7/16	1.74
9	502809	.1960	3-5/8	2-7/16	1.74
10	502810	.1935	3-5/8	2-7/16	1.74
11	502811	.1910	3-1/2	2-5/16	1.65
12	502812	.1890	3-1/2	2-5/16	1.65
13	502813	.1850	3-1/2	2-5/16	1.59
14	502814	.1820	3-3/8	2-3/16	1.59
15	502815	.1800	3-3/8	2-3/16	1.59
16	502816	.1770	3-3/8	2-3/16	1.59
17	502817	.1730	3-3/8	2-3/16	1.59
18	502818	.1695	3-1/4	2-1/8	1.30
19	502819	.1660	3-1/4	2-1/8	1.30
20	502820	.1610	3-1/4	2-1/8	1.30
21	502821	.1590	3-1/4	2-1/8	1.30
22	502822	.1570	3-1/8	2	1.30
23	502823	.1540	3-1/8	2	1.30
24	502824	.1520	3-1/8	2	1.30
25	502825	.1495	3	1-7/8	1.30
26	502826	.1470	3	1-7/8	1.30
27	502827	.1440	3	1-7/8	1.30
28	502828	.1405	2-7/8	1-3/4	1.30
29	502829	.1360	2-7/8	1-3/4	1.30
30	502830	.1285	2-3/4	1-5/8	1.30
31	502831	.1200	2-3/4	1-5/8	1.30
32	502832	.1160	2-3/4	1-5/8	1.30
33	502833	.1130	2-5/8	1-1/2	1.30
34	502834	.1110	2-5/8	1-1/2	1.30
35	502835	.1100	2-5/8	1-1/2	1.43
36	502836	.1065	2-1/2	1-7/16	1.42
37	502837	.1040	2-1/2	1-7/16	1.42
38	502838	.1015	2-1/2	1-7/16	1.42
39	502839	.0995	2-3/8	1-3/8	1.42
40	502840	.0980	2-3/8	1-3/8	1.42

Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
41	502841	.0960	2-3/8	1-1/4	1.42
42	502842	.0935	2-1/4	1-1/4	1.42
43	502843	.0890	2-1/4	1-1/4	1.42
44	502844	.0860	2-1/8	1-1/8	1.42
45	502845	.0820	2-1/8	1-1/8	1.42
46	502846	.0810	2-1/8	1-1/8	1.42
47	502847	.0785	2	1	1.42
48	502848	.0760	2	1	1.42
49	502849	.0730	2	1	1.42
50	502850	.0700	2	1	1.42
51	502851	.0670	2	1	1.42
52	502852	.0635	1-7/8	7/8	1.42
53	502853	.0595	1-7/8	7/8	1.42
54	502854	.0550	1-7/8	7/8	1.42
55	502855	.0520	1-7/8	7/8	1.42
56	502856	.0465	1-3/4	3/4	1.42
57	502857	.0430	1-3/4	3/4	1.42
58	502858	.0420	1-5/8	11/16	1.42
59	502859	.0410	1-5/8	11/16	1.42
60	502860	.0400	1-5/8	11/16	1.42
61	502861	.0390	1-5/8	11/16	1.42
62	502862	.0380	1-1/2	5/8	1.42
63	502863	.0370	1-1/2	5/8	1.42
64	502864	.0360	1-1/2	5/8	1.42
65	502865	.0350	1-1/2	5/8	1.42
66	502866	.0330	1-3/8	1/2	1.42
67	502867	.0320	1-3/8	1/2	1.42
68	502868	.0310	1-3/8	1/2	1.42
69	502869	.0292	1-3/8	1/2	1.60
70	502870	.0280	1-1/4	3/8	1.60
71	502871	.0260	1-1/4	3/8	1.95
72	502872	.0250	1-1/8	5/16	1.95
73	502873	.0240	1-1/8	5/16	1.95
74	502874	.0225	1	1/4	1.95
75	502875	.0210	1	1/4	1.95
76	502876	.0200	7/8	3/16	1.95
77	502877	.0180	7/8	3/16	1.95
78	502878	.0160	7/8	3/16	1.95
79	502879	.0145	3/4	3/16	2.37
80	502880	.0135	3/4	3/16	2.37

Miniature General Purpose Jobber Drills Available on Page 14

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METRIC JOBBER DRILLS

A multipurpose drill designed for use in many types of materials under normal drilling conditions. 1.00mm-3.10mm are manufactured to DIN lengths. 118 deg. standard drill point.

Package Qty.

.15mm - 5.40mm

12 pcs. per pack

Bright



METRIC SIZES

PROUDLY MADE IN THE U.S.A.



Metric Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
.15	504005	.0059	3/4	1/16	13.88
.18	504006	.0071	3/4	1/16	13.88
.20	504007	.0079	3/4	1/16	7.60
.23	504008	.0091	3/4	5/64	7.60
.25	504009	.0098	3/4	3/32	7.60
.28	504010	.0110	3/4	3/32	5.95
.30	504011	.0118	3/4	1/8	5.95
.35	504013	.0138	3/4	3/16	2.77
.40	504015	.0157	3/4	3/16	2.26
.45	504017	.0177	7/8	3/16	1.95
.50	504019	.0197	7/8	3/16	1.95
.55	504021	.0217	1	1/4	1.95
.60	504023	.0236	1-1/8	5/16	1.95
.65	504025	.0256	1-1/4	3/8	1.95
.70	504027	.0276	1-1/4	3/8	1.63
.75	504029	.0295	1-3/8	1/2	1.42
.80	504031	.0315	1-3/8	1/2	1.39
.85	504033	.0335	1-1/2	5/8	1.39
.90	504035	.0354	1-1/2	5/8	1.39
.95	504037	.0374	1-1/2	5/8	1.39
1.00	504039	.0394	1-11/32	15/32	1.39
1.05	504041	.0413	1-11/32	15/32	1.39
1.10	504043	.0433	1-7/16	9/16	1.39
1.15	504045	.0453	1-7/16	9/16	1.39
1.20	504047	.0472	1-1/2	5/8	1.39
1.25	504049	.0492	1-1/2	5/8	1.39
1.30	504051	.0512	1-1/2	5/8	1.39
1.35	504053	.0532	1-9/16	23/32	1.39
1.40	504055	.0551	1-9/16	23/32	1.39
1.45	504057	.0571	1-9/16	23/32	1.39
1.50	504059	.0591	1-9/16	23/32	1.39
1.55	504061	.0610	1-11/16	25/32	1.39
1.60	504062	.0630	1-11/16	25/32	1.39
1.65	504064	.0650	1-11/16	25/32	1.39
1.70	504066	.0669	1-11/16	25/32	1.39
1.75	504068	.0689	1-13/16	7/8	1.39
1.80	504070	.0709	1-13/16	7/8	1.39
1.85	504072	.0728	1-13/16	7/8	1.39
1.90	504074	.0748	1-13/16	7/8	1.39
1.95	504076	.0768	1-15/16	15/16	1.39
2.00	504078	.0787	1-15/16	15/16	1.39
2.05	504080	.0807	1-15/16	15/16	1.39
2.10	504082	.0827	1-15/16	15/16	1.39

Metric Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
2.15	504084	.0846	2-3/32	1-1/16	1.39
2.20	504086	.0866	2-3/32	1-1/16	1.39
2.25	504088	.0886	2-3/32	1-1/16	1.39
2.30	504090	.0906	2-3/32	1-1/16	1.39
2.35	504092	.0925	2-3/32	1-1/16	1.39
2.40	504094	.0945	2-1/4	1-3/16	1.39
2.45	504096	.0965	2-1/4	1-3/16	1.47
2.50	504098	.0984	2-1/4	1-3/16	1.47
2.60	504102	.1024	2-1/4	1-3/16	1.47
2.70	504106	.1063	2-13/32	1-5/16	1.47
2.75	504108	.1083	2-13/32	1-5/16	1.47
2.80	504110	.1102	2-13/32	1-5/16	1.47
2.90	504114	.1142	2-13/32	1-5/16	1.47
3.00	504118	.1181	2-13/32	1-5/16	1.47
3.10	504122	.1220	2-9/16	1-7/16	1.47
3.20	504125	.1260	2-3/4	1-5/8	1.73
3.25	504127	.1280	2-3/4	1-5/8	1.73
3.30	504129	.1299	2-7/8	1-3/4	1.73
3.40	504133	.1339	2-7/8	1-3/4	1.73
3.50	504137	.1378	2-7/8	1-3/4	1.73
3.60	504141	.1417	3	1-7/8	1.77
3.70	504145	.1457	3	1-7/8	1.77
3.75	504147	.1476	3	1-7/8	1.77
3.80	504149	.1496	3-1/8	2	1.77
3.90	504153	.1535	3-1/8	2	1.77
4.00	504157	.1575	3-1/4	2-1/8	1.86
4.10	504161	.1614	3-1/4	2-1/8	1.86
4.20	504165	.1654	3-1/4	2-1/8	2.02
4.25	504167	.1673	3-1/4	2-1/8	2.02
4.30	504169	.1693	3-1/4	2-1/8	2.02
4.40	504173	.1732	3-3/8	2-3/16	2.27
4.50	504177	.1772	3-3/8	2-3/16	2.27
4.60	504181	.1811	3-3/8	2-3/16	2.27
4.70	504185	.1850	3-1/2	2-5/16	2.54
4.75	504187	.1870	3-1/2	2-5/16	2.54
4.80	504188	.1890	3-1/2	2-5/16	2.54
4.90	504192	.1929	3-5/8	2-7/16	2.54
5.00	504196	.1969	3-5/8	2-7/16	2.80
5.10	504200	.2008	3-5/8	2-7/16	2.80
5.20	504204	.2047	3-3/4	2-1/2	2.80
5.25	504206	.2067	3-3/4	2-1/2	2.80
5.30	504208	.2087	3-3/4	2-1/2	2.80
5.40	504212	.2126	3-3/4	2-1/2	2.80

METRIC JOBBER DRILLS

A multipurpose drill designed for use in many types of materials under normal drilling conditions. 118 deg. standard drill point.

Package Qty.

5.50mm - 7.75mm	12 pcs. per pack	Bright
7.80mm - 13.00mm	6 pcs. per pack	Bright
13.50mm - 17.50mm	1 pc. per pack	Black



METRIC SIZES

PROUDLY MADE IN THE U.S.A.



Metric Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
5.50	504216	.2165	3-3/4	2-1/2	2.80
5.60	504220	.2205	3-7/8	2-5/8	3.04
5.70	504224	.2244	3-7/8	2-5/8	3.04
5.75	504226	.2264	3-7/8	2-5/8	3.24
5.80	504228	.2284	3-7/8	2-5/8	3.24
5.90	504232	.2323	3-7/8	2-5/8	3.24
6.00	504236	.2362	4	2-3/4	3.24
6.10	504240	.2402	4	2-3/4	3.24
6.20	504244	.2441	4	2-3/4	3.24
6.25	504246	.2461	4	2-3/4	3.24
6.30	504248	.2480	4	2-3/4	3.24
6.40	504251	.2520	4-1/8	2-7/8	3.84
6.50	504255	.2559	4-1/8	2-7/8	3.84
6.60	504259	.2598	4-1/8	2-7/8	4.02
6.70	504263	.2638	4-1/8	2-7/8	4.02
6.75	504265	.2658	4-1/8	2-7/8	4.02
6.80	504267	.2677	4-1/8	2-7/8	4.02
6.90	504271	.2717	4-1/8	2-7/8	4.02
7.00	504275	.2756	4-1/8	2-7/8	4.02
7.10	504279	.2795	4-1/4	2-15/16	4.63
7.20	504283	.2835	4-1/4	2-15/16	4.63
7.25	504285	.2854	4-1/4	2-15/16	4.63
7.30	504287	.2874	4-1/4	2-15/16	4.63
7.40	504291	.2913	4-3/8	3-1/16	5.13
7.50	504295	.2953	4-3/8	3-1/16	5.13
7.60	504299	.2992	4-3/8	3-1/16	5.66
7.70	504303	.3032	4-1/2	3-1/16	5.66
7.75	504305	.3051	4-1/2	3-1/16	5.66
7.80	504307	.3071	4-1/2	3-1/16	5.66
7.90	504311	.3110	4-1/2	3-1/16	5.66
8.00	504314	.3150	4-1/2	3-1/16	5.66
8.10	504318	.3189	4-5/8	3-5/16	6.23
8.20	504322	.3228	4-5/8	3-5/16	6.23
8.25	504324	.3248	4-5/8	3-5/16	6.23
8.30	504326	.3268	4-5/8	3-5/16	6.23

Metric Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
8.40	504330	.3307	4-3/4	3-7/16	6.23
8.50	504334	.3347	4-3/4	3-7/16	6.23
8.60	504338	.3386	4-3/4	3-7/16	6.23
8.70	504342	.3425	4-3/4	3-7/16	6.23
8.75	504344	.3445	4-7/8	3-1/2	7.21
8.80	504346	.3465	4-7/8	3-1/2	7.21
8.90	504350	.3504	4-7/8	3-1/2	7.21
9.00	504354	.3543	4-7/8	3-1/2	7.21
9.10	504358	.3583	4-7/8	3-1/2	7.21
9.20	504362	.3622	5	3-5/8	7.21
9.25	504364	.3642	5	3-5/8	7.21
9.30	504366	.3661	5	3-5/8	7.21
9.40	504370	.3701	5	3-5/8	7.21
9.50	504374	.3740	5	3-5/8	7.21
9.60	504377	.3780	5-1/8	3-3/4	8.29
9.70	504381	.3819	5-1/8	3-3/4	8.29
9.75	504383	.3839	5-1/8	3-3/4	8.29
9.80	504385	.3858	5-1/8	3-3/4	8.29
9.90	504389	.3898	5-1/8	3-3/4	8.29
10.00	504393	.3937	5-1/8	3-3/4	8.50
10.50	504413	.4134	5-3/8	3-15/16	8.50
11.00	504433	.4331	5-1/2	4-1/16	8.50
11.50	504452	.4528	5-5/8	4-3/16	9.84
12.00	504472	.4724	5-7/8	4-3/8	11.03
12.50	504492	.4921	6	4-1/2	11.03
13.00	504511	.5118	6	4-1/2	26.68
13.50	504531	.5315	6-5/8	4-13/16	28.33
14.00	504551	.5512	6-5/8	4-13/16	33.46
14.50	504571	.5709	6-5/8	4-13/16	33.36
15.00	504590	.5906	7-1/8	5-13/64	33.36
15.50	504610	.6102	7-1/8	5-13/64	36.29
16.00	504629	.6299	7-1/8	5-13/64	38.15
16.50	504649	.6496	7-1/8	5-13/64	38.21
17.00	504669	.6693	7-5/8	5-5/8	44.08
17.50	504688	.6890	7-5/8	5-5/8	44.08

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FAST SPIRAL JOBBER DRILLS

High helix drills were developed with a wide flute to promote chip removal in low tensile materials, such as aluminum and other soft material. They are beneficial in deep hole drilling applications. 118 deg. standard point.



Package Qty.

1/64" - 19/64"	12 pcs. per pack	Bright
5/16" - 1/2"	6 pcs. per pack	Bright
A - N	12 pcs. per pack	Bright
O - Z	6 pcs. per pack	Bright



FRACTIONAL SIZES

PROUDLY MADE IN THE U.S.A.



Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1/64	511001	.0156	3/4	3/16	2.28
1/32	511002	.0313	1-3/8	1/2	1.90
3/64	511003	.0469	1-3/4	3/4	1.54
1/16	511004	.0625	1-7/8	7/8	1.54
5/64	511005	.0781	2	1	1.54
3/32	511006	.0938	2-1/4	1-1/4	1.54
7/64	511007	.1094	2-5/8	1-1/2	1.54
1/8	511008	.1250	2-3/4	1-5/8	1.37
9/64	511009	.1406	2-7/8	1-3/4	1.32
5/32	511010	.1563	3-1/8	2	1.32
11/64	511011	.1719	3-1/4	2-1/8	1.51
3/16	511012	.1875	3-1/2	2-5/16	1.73
13/64	511013	.2031	3-5/8	2-7/16	1.88
7/32	511014	.2188	3-3/4	2-1/2	2.16
15/64	511015	.2344	3-7/8	2-5/8	2.28
1/4	511016	.2500	4	2-3/4	2.36

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
17/64	511017	.2656	4-1/8	2-7/8	2.98
9/32	511018	.2813	4-1/4	2-15/16	3.18
19/64	511019	.2969	4-3/8	3-1/16	3.43
5/16	511020	.3125	4-1/2	3-3/16	3.78
21/64	511021	.3281	4-5/8	3-5/16	4.13
11/32	511022	.3438	4-3/4	3-7/16	4.63
23/64	511023	.3594	4-7/8	3-1/2	5.43
3/8	511024	.3750	5	3-5/8	5.68
25/64	511025	.3906	5-1/8	3-3/4	6.39
13/32	511026	.4063	5-1/4	3-7/8	6.64
27/64	511027	.4219	5-3/8	3-15/16	7.46
7/16	511028	.4375	5-1/2	4-1/16	7.84
29/64	511029	.4531	5-5/8	4-3/16	8.04
15/32	511030	.4688	5-3/4	4-5/16	8.61
31/64	511031	.4844	5-7/8	4-3/8	9.11
1/2	511032	.5000	6	4-1/2	9.11

LETTER SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
A	513901	.2340	3-7/8	2-5/8	2.51
B	513902	.2380	4	2-3/4	2.51
C	513903	.2420	4	2-3/4	2.51
D	513904	.2460	4	2-3/4	2.51
E	513905	.2500	4	2-3/4	2.51
F	513906	.2570	4-1/8	2-7/8	2.88
G	513907	.2610	4-1/8	2-7/8	3.08
H	513908	.2660	4-1/8	2-7/8	3.08
I	513909	.2720	4-1/8	2-7/8	3.08
J	513910	.2770	4-1/8	2-7/8	3.31
K	513911	.2810	4-1/4	2-15/16	3.56
L	513912	.2900	4-1/4	2-15/16	3.67
M	513913	.2950	4-3/8	3-1/16	3.78

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
N	513914	.3020	4-3/8	3-1/16	3.78
O	513915	.3160	4-1/2	3-3/16	3.78
P	513916	.3230	4-5/8	3-5/16	4.36
Q	513917	.3320	4-3/4	3-7/16	4.36
R	513918	.3390	4-3/4	3-7/16	4.89
S	513919	.3480	4-7/8	3-1/2	4.89
T	513920	.3580	4-7/8	3-1/2	5.63
U	513921	.3680	5	3-5/8	5.63
V	513922	.3770	5	3-5/8	6.05
W	513923	.3860	5-1/8	3-3/4	6.54
X	513924	.3970	5-1/8	3-3/4	7.10
Y	513925	.4040	5-1/4	3-7/8	8.26
Z	513926	.4130	5-1/4	3-7/8	8.55

FAST SPIRAL JOBBER DRILLS

High helix drills were developed with a wide flute to promote chip removal in low tensile materials, such as aluminum and other soft material. They are beneficial in deep hole drilling applications. 118 deg. standard point.



#1 - #80

Package Qty.
12 pcs. per pack Bright



WIRE GAUGE SIZES

PROUDLY MADE IN THE U.S.A.



Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1	512801	.2280	3-7/8	2-5/8	2.36
2	512802	.2210	3-7/8	2-5/8	2.36
3	512803	.2130	3-3/4	2-1/2	2.28
4	512804	.2090	3-3/4	2-1/2	2.28
5	512805	.2055	3-3/4	2-1/2	2.28
6	512806	.2040	3-3/4	2-1/2	2.28
7	512807	.2010	3-5/8	2-7/16	1.93
8	512808	.1990	3-5/8	2-7/16	1.93
9	512809	.1960	3-5/8	2-7/16	1.93
10	512810	.1935	3-5/8	2-7/16	1.93
11	512811	.1910	3-1/2	2-5/16	1.82
12	512812	.1890	3-1/2	2-5/16	1.82
13	512813	.1850	3-1/2	2-5/16	1.73
14	512814	.1820	3-3/8	2-3/16	1.73
15	512815	.1800	3-3/8	2-3/16	1.73
16	512816	.1770	3-3/8	2-3/16	1.73
17	512817	.1730	3-3/8	2-3/16	1.73
18	512818	.1695	3-1/4	2-1/8	1.51
19	512819	.1660	3-1/4	2-1/8	1.51
20	512820	.1610	3-1/4	2-1/8	1.51
21	512821	.1590	3-1/4	2-1/8	1.36
22	512822	.1570	3-1/8	2	1.36
23	512823	.1540	3-1/8	2	1.29
24	512824	.1520	3-1/8	2	1.26
25	512825	.1495	3	1-7/8	1.24
26	512826	.1470	3	1-7/8	1.24
27	512827	.1440	3	1-7/8	1.24
28	512828	.1405	2-7/8	1-3/4	1.24
29	512829	.1360	2-7/8	1-3/4	1.24
30	512830	.1285	2-3/4	1-5/8	1.24
31	512831	.1200	2-3/4	1-5/8	1.52
32	512832	.1160	2-3/4	1-5/8	1.52
33	512833	.1130	2-5/8	1-1/2	1.52
34	512834	.1110	2-5/8	1-1/2	1.52
35	512835	.1100	2-5/8	1-1/2	1.52
36	512836	.1065	2-1/2	1-7/16	1.52
37	512837	.1040	2-1/2	1-7/16	1.52
38	512838	.1015	2-1/2	1-7/16	1.52
39	512839	.0995	2-3/8	1-3/8	1.52
40	512840	.0980	2-3/8	1-3/8	1.52

Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
41	512841	.0960	2-3/8	1-3/8	1.52
42	512842	.0935	2-1/4	1-1/4	1.52
43	512843	.0890	2-1/4	1-1/4	1.52
44	512844	.0860	2-1/8	1-1/8	1.52
45	512845	.0820	2-1/8	1-1/8	1.52
46	512846	.0810	2-1/8	1-1/8	1.52
47	512847	.0785	2	1	1.52
48	512848	.0760	2	1	1.52
49	512849	.0730	2	1	1.52
50	512850	.0700	2	1	1.52
51	512851	.0670	2	1	1.52
52	512852	.0635	1-7/8	7/8	1.52
53	512853	.0595	1-7/8	7/8	1.52
54	512854	.0550	1-7/8	7/8	1.54
55	512855	.0520	1-7/8	7/8	1.54
56	512856	.0465	1-3/4	3/4	1.54
57	512857	.0430	1-3/4	3/4	1.69
58	512858	.0420	1-5/8	11/16	1.69
59	512859	.0410	1-5/8	11/16	1.69
60	512860	.0400	1-5/8	11/16	1.69
61	512861	.0390	1-5/8	11/16	1.69
62	512862	.0380	1-1/2	5/8	1.69
63	512863	.0370	1-1/2	5/8	1.69
64	512864	.0360	1-1/2	5/8	1.69
65	512865	.0350	1-1/2	5/8	1.69
66	512866	.0330	1-3/8	1/2	1.69
67	512867	.0320	1-3/8	1/2	1.69
68	512868	.0310	1-3/8	1/2	1.69
69	512869	.0292	1-3/8	1/2	1.82
70	512870	.0280	1-1/4	3/8	1.82
71	512871	.0260	1-1/4	3/8	2.18
72	512872	.0250	1-1/8	5/16	2.18
73	512873	.0240	1-1/8	5/16	2.18
74	512874	.0225	1	1/4	2.18
75	512875	.0210	1	1/4	2.18
76	512876	.0200	7/8	3/16	2.18
77	512877	.0180	7/8	3/16	2.18
78	512878	.0160	7/8	3/16	2.18
79	512879	.0145	3/4	3/16	2.46
80	512880	.0135	3/4	3/16	2.46

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SLOW SPIRAL JOBBER DRILLS

Low helix drills are designed for drilling primarily in brass. The wide flutes give better chip removal and less pulling upon entering the material. 118 deg. standard point.



Package Qty.

1/64" - 19/64"	12 pcs. per pack	Bright
5/16" - 1/2"	6 pcs. per pack	Bright
A - N	12 pcs. per pack	Bright
O - Z	6 pcs. per pack	Bright



FRACTIONAL SIZES

PROUDLY MADE IN THE U.S.A.



Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1/64	514001	.0156	3/4	3/16	2.98
1/32	514002	.0313	1-3/8	1/2	2.49
3/64	514003	.0469	1-3/4	3/4	2.37
1/16	514004	.0625	1-7/8	7/8	2.25
5/64	514005	.0781	2	1	2.25
3/32	514006	.0938	2-1/4	1-1/4	2.25
7/64	514007	.1094	2-5/8	1-1/2	2.25
1/8	514008	.1250	2-3/4	1-5/8	2.18
9/64	514009	.1406	2-7/8	1-3/4	2.18
5/32	514010	.1563	3-1/8	2	2.61
11/64	514011	.1719	3-1/4	2-1/8	2.93
3/16	514012	.1875	3-1/2	2-5/16	3.07
13/64	514013	.2031	3-5/8	2-7/16	3.47
7/32	514014	.2188	3-3/4	2-1/2	4.06
15/64	514015	.2344	3-7/8	2-5/8	4.44
1/4	514016	.2500	4	2-3/4	4.44

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
17/64	514017	.2656	4-1/8	2-7/8	5.35
9/32	514018	.2813	4-1/4	2-15/16	5.92
19/64	514019	.2969	4-3/8	3-1/16	6.56
5/16	514020	.3125	4-1/2	3-3/16	7.23
21/64	514021	.3281	4-5/8	3-5/16	7.65
11/32	514022	.3438	4-3/4	3-7/16	8.58
23/64	514023	.3594	4-7/8	3-1/2	10.23
3/8	514024	.3750	5	3-5/8	10.23
25/64	514025	.3906	5-1/8	3-3/4	11.30
13/32	514026	.4063	5-1/4	3-7/8	11.76
27/64	514027	.4219	5-3/8	3-15/16	13.26
7/16	514028	.4375	5-1/2	4-1/16	13.63
29/64	514029	.4531	5-5/8	4-3/16	15.50
15/32	514030	.4688	5-3/4	4-5/16	16.73
31/64	514031	.4844	5-7/8	4-3/8	17.46
1/2	514032	.5000	6	4-1/2	17.46

LETTER SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
A	407901	.2340	3-7/8	2-5/8	5.25
B	407902	.2380	4	2-3/4	5.25
C	407903	.2420	4	2-3/4	5.25
D	407904	.2460	4	2-3/4	5.25
E	407905	.2500	4	2-3/4	5.67
F	407906	.2570	4-1/8	2-7/8	5.70
G	407907	.2610	4-1/8	2-7/8	6.24
H	407908	.2660	4-1/8	2-7/8	6.24
I	407909	.2720	4-1/8	2-7/8	6.24
J	407910	.2770	4-1/8	2-7/8	6.72
K	407911	.2810	4-1/4	2-15/16	7.18
L	407912	.2900	4-1/4	2-15/16	7.18
M	407913	.2950	4-3/8	3-1/16	7.88

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
N	407914	.3020	4-3/8	3-1/16	7.88
O	407915	.3160	4-1/2	3-3/16	8.05
P	407916	.3230	4-5/8	3-5/16	9.07
Q	407917	.3320	4-3/4	3-7/16	9.07
R	407918	.3390	4-3/4	3-7/16	9.07
S	407919	.3480	4-7/8	3-1/2	10.68
T	407920	.3580	4-7/8	3-1/2	12.16
U	407921	.3680	5	3-5/8	12.16
V	407922	.3770	5	3-5/8	12.81
W	407923	.3860	5-1/8	3-3/4	12.81
X	407924	.3970	5-1/8	3-3/4	15.99
Y	407925	.4040	5-1/4	3-7/8	18.67
Z	407926	.4130	5-1/4	3-7/8	19.15

SLOW SPIRAL JOBBER DRILLS

Low helix drills are designed for drilling primarily in brass. The wide flutes give better chip removal and less pulling upon entering the material. 118 deg. standard point.



Package Qty.

#1 - #80

12 pcs. per pack

Bright



WIRE GAUGE SIZES

PROUDLY MADE IN THE U.S.A.



Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1	515801	.2280	3-7/8	2-5/8	4.58
2	515802	.2210	3-7/8	2-5/8	4.58
3	515803	.2130	3-3/4	2-1/2	4.40
4	515804	.2090	3-3/4	2-1/2	4.40
5	515805	.2055	3-3/4	2-1/2	4.40
6	515806	.2040	3-3/4	2-1/2	4.40
7	515807	.2010	3-5/8	2-7/16	3.79
8	515808	.1990	3-5/8	2-7/16	3.79
9	515809	.1960	3-5/8	2-7/16	3.79
10	515810	.1935	3-5/8	2-7/16	3.79
11	515811	.1910	3-1/2	2-5/16	3.55
12	515812	.1890	3-1/2	2-5/16	3.55
13	515813	.1850	3-1/2	2-5/16	3.33
14	515814	.1820	3-3/8	2-3/16	3.33
15	515815	.1800	3-3/8	2-3/16	3.33
16	515816	.1770	3-3/8	2-3/16	3.33
17	515817	.1730	3-3/8	2-3/16	3.33
18	515818	.1695	3-1/4	2-1/8	2.93
19	515819	.1660	3-1/4	2-1/8	2.93
20	515820	.1610	3-1/4	2-1/8	2.93
21	515821	.1590	3-1/4	2-1/8	2.82
22	515822	.1570	3-1/8	2	2.82
23	515823	.1540	3-1/8	2	2.82
24	515824	.1520	3-1/8	2	2.82
25	515825	.1495	3	1-7/8	2.73
26	515826	.1470	3	1-7/8	2.73
27	515827	.1440	3	1-7/8	2.73
28	515828	.1405	2-7/8	1-3/4	2.73
29	515829	.1360	2-7/8	1-3/4	2.25
30	515830	.1285	2-3/4	1-5/8	2.25
31	515831	.1200	2-3/4	1-5/8	2.25
32	515832	.1160	2-3/4	1-5/8	2.25
33	515833	.1130	2-5/8	1-1/2	2.25
34	515834	.1110	2-5/8	1-1/2	2.25
35	515835	.1100	2-5/8	1-1/2	2.25
36	515836	.1065	2-1/2	1-7/16	2.25
37	515837	.1040	2-1/2	1-7/16	2.25
38	515838	.1015	2-1/2	1-7/16	2.25
39	515839	.0995	2-3/8	1-3/8	2.25
40	515840	.0980	2-3/8	1-3/8	2.25

Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
41	515841	.0960	2-3/8	1-3/8	2.25
42	515842	.0935	2-1/4	1-1/4	2.25
43	515843	.0890	2-1/4	1-1/4	2.25
44	515844	.0860	2-1/8	1-1/8	2.25
45	515845	.0820	2-1/8	1-1/8	2.25
46	515846	.0810	2-1/8	1-1/8	2.25
47	515847	.0785	2	1	2.25
48	515848	.0760	2	1	2.25
49	515849	.0730	2	1	2.25
50	515850	.0700	2	1	2.25
51	515851	.0670	2	1	2.25
52	515852	.0635	1-7/8	7/8	2.25
53	515853	.0595	1-7/8	7/8	2.25
54	515854	.0550	1-7/8	7/8	2.25
55	515855	.0520	1-7/8	7/8	2.25
56	515856	.0465	1-3/4	3/4	2.25
57	515857	.0430	1-3/4	3/4	2.25
58	515858	.0420	1-5/8	11/16	2.25
59	515859	.0410	1-5/8	11/16	2.25
60	515860	.0400	1-5/8	11/16	2.25
61	515861	.0390	1-5/8	11/16	2.25
62	515862	.0380	1-1/2	5/8	2.25
63	515863	.0370	1-1/2	5/8	2.25
64	515864	.0360	1-1/2	5/8	2.25
65	515865	.0350	1-1/2	5/8	2.25
66	515866	.0330	1-3/8	1/2	2.25
67	515867	.0320	1-3/8	1/2	2.25
68	515868	.0310	1-3/8	1/2	2.25
69	515869	.0292	1-3/8	1/2	2.25
70	515870	.0280	1-1/4	3/8	2.25
71	515871	.0260	1-1/4	3/8	2.82
72	515872	.0250	1-1/8	5/16	2.82
73	515873	.0240	1-1/8	5/16	2.82
74	515874	.0225	1	1/4	2.82
75	515875	.0210	1	1/4	2.82
76	515876	.0200	7/8	3/16	2.82
77	515877	.0180	7/8	3/16	2.82
78	515878	.0160	7/8	3/16	2.82
79	515879	.0145	3/4	3/16	3.38
80	515880	.0135	3/4	3/16	3.38

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HEAVY DUTY SPLIT POINT DRILLS

The heavier web construction enables drilling in higher tensile steels. The 135 degree split point is self-centering and reduces walking at point of entry.



Package Qty.

1/8" - 19/64"	12 pcs. per pack	Black
5/16" - 1/2"	6 pcs. per pack	Black
#1 - #30	12 pcs. per pack	Black



PROUDLY MADE IN THE U.S.A.



FRACTIONAL SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1/8	519008	.1250	2-3/4	1-5/8	1.22
9/64	519009	.1406	2-7/8	1-3/4	1.25
5/32	519010	.1563	3-1/8	2	1.29
11/64	519011	.1719	3-1/4	2-1/8	1.32
3/16	519012	.1875	3-1/2	2-5/16	1.61
13/64	519013	.2031	3-5/8	2-7/16	1.80
7/32	519014	.2188	3-3/4	2-1/2	1.90
15/64	519015	.2344	3-7/8	2-5/8	2.04
1/4	519016	.2500	4	2-3/4	2.21
17/64	519017	.2656	4-1/8	2-7/8	2.72
9/32	519018	.2813	4-1/4	2-15/16	2.79
19/64	519019	.2969	4-3/8	3-1/16	3.17
5/16	519020	.3125	4-1/2	3-3/16	3.40
21/64	519021	.3281	4-5/8	3-5/16	3.81
11/32	519022	.3438	4-3/4	3-7/16	4.29
23/64	519023	.3594	4-7/8	3-1/2	4.76
3/8	519024	.3750	5	3-5/8	4.96
25/64	519025	.3906	5-1/8	3-3/4	5.61
13/32	519026	.4063	5-1/4	3-7/8	5.78
27/64	519027	.4219	5-3/8	3-15/16	6.41
7/16	519028	.4375	5-1/2	4-1/16	6.63
29/64	519029	.4531	5-5/8	4-3/16	7.50
15/32	519030	.4688	5-3/4	4-5/16	7.91
31/64	519031	.4844	5-7/8	4-3/8	8.37
1/2	519032	.5000	6	4-1/2	8.54

WIRE GAUGE SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1	520801	.2280	3-7/8	2-5/8	2.26
2	520802	.2210	3-7/8	2-5/8	2.26
3	520803	.2130	3-3/4	2-1/2	2.07
4	520804	.2090	3-3/4	2-1/2	2.07
5	520805	.2055	3-3/4	2-1/2	2.07
6	520806	.2040	3-3/4	2-1/2	2.07
7	520807	.2010	3-5/8	2-7/16	1.83
8	520808	.1990	3-5/8	2-7/16	1.83
9	520809	.1960	3-5/8	2-7/16	1.83
10	520810	.1935	3-5/8	2-7/16	1.80
11	520811	.1910	3-1/2	2-5/16	1.66
12	520812	.1890	3-1/2	2-5/16	1.66
13	520813	.1850	3-1/2	2-5/16	1.61
14	520814	.1820	3-3/8	2-3/16	1.61
15	520815	.1800	3-3/8	2-3/16	1.61
16	520816	.1770	3-3/8	2-3/16	1.61
17	520817	.1730	3-3/8	2-3/16	1.61
18	520818	.1695	3-1/4	2-1/8	1.38
19	520819	.1660	3-1/4	2-1/8	1.38
20	520820	.1610	3-1/4	2-1/8	1.38
21	520821	.1590	3-1/4	2-1/8	1.27
22	520822	.1570	3-1/8	2	1.27
23	520823	.1540	3-1/8	2	1.27
24	520824	.1520	3-1/8	2	1.27
25	520825	.1495	3	1-7/8	1.22
26	520826	.1470	3	1-7/8	1.22
27	520827	.1440	3	1-7/8	1.22
28	520828	.1405	2-7/8	1-3/4	1.08
29	520829	.1360	2-7/8	1-3/4	1.08
30	520830	.1285	2-3/4	1-5/8	1.08

Heavy Duty Drills #31 - 60 Priced Upon Request

MINIATURE DRILLS & BLANKS

118 deg. standard point

#81 - #100

Package Qty.
12 pcs. per pack
Bright



PRECISION PIN VISE

Holds Tiny Gauge Blanks
Capacity .005" to .040"

Part # 990002

Price Each \$7.07

WIRE GAUGE SIZES

RIGHT HAND

Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
81	502881	.0130	3/4	1/8	3.74
82	502882	.0125	3/4	1/8	3.74
83	502883	.0120	3/4	1/8	4.20
84	502884	.0115	3/4	3/32	4.20
85	502885	.0110	3/4	3/32	5.95
86	502886	.0105	3/4	3/32	5.95
87	502887	.0100	3/4	3/32	5.95
88	502888	.0095	3/4	5/64	7.60
89	502889	.0091	3/4	5/64	7.60
90	502890	.0087	3/4	5/64	7.60
91	502891	.0083	3/4	5/64	7.60
92	502892	.0079	3/4	1/16	7.60
93	502893	.0075	3/4	1/16	7.60
94	502894	.0071	3/4	1/16	13.88
95	502895	.0067	3/4	1/16	13.88
96	502896	.0063	3/4	1/16	13.88
97	502897	.0059	3/4	1/16	13.88
98	502898	.0055	3/4	1/16	13.88
99	502899	.0053	3/4	1/16	13.88
100	502900	.0050	3/4	1/16	13.88

LEFT HAND

Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
81	517881	.0130	3/4	1/8	7.92
82	517882	.0125	3/4	1/8	7.92
83	517883	.0120	3/4	1/8	8.27
84	517884	.0115	3/4	3/32	8.27
85	517885	.0110	3/4	3/32	8.27
86	517886	.0105	3/4	3/32	8.62
87	517887	.0100	3/4	3/32	8.62
88	517888	.0095	3/4	5/64	9.41
89	517889	.0091	3/4	5/64	9.41
90	517890	.0087	3/4	5/64	9.41

PROUDLY MADE IN THE U.S.A.



OHIO MICRO CHUCK

Our Micro Chuck is the most accurate low cost adapter chuck made. The Micro Chuck can be held in any 1/8" or 3/16" collet or adjustable drill chuck. Ohio Drill Micro Chucks provide a great convenience for those infrequent small drilling and reaming jobs.

Capacity .005" to .040"

Part # 990001

Price Each \$6.20

DRILL & REAMER BLANKS

Wire Size	Drill Blank #	Reamer Blank	Decimal Equivalent	Overall Length	Price Each
81	552881	556881	.0130	3/4	2.57
82	552882	556882	.0125	3/4	2.57
83	552883	556883	.0120	3/4	2.57
84	552884	556884	.0115	3/4	2.57
85	552885	556885	.0110	3/4	2.57
86	552886	556886	.0105	3/4	2.81
87	552887	556887	.0100	3/4	2.81
88	552888	556888	.0095	3/4	2.81
89	552889	556889	.0091	3/4	2.81
90	552890	556890	.0087	3/4	2.81
91	552891	556891	.0083	3/4	2.81
92	552892	556892	.0079	3/4	2.81
93	552893	556893	.0075	3/4	2.81
94	552894	556894	.0071	3/4	2.81
95	552895	556895	.0067	3/4	2.81
96	552896	556896	.0063	3/4	2.81
97	552897	556897	.0059	3/4	3.57
98	552898	556898	.0055	3/4	3.57
99	552899	556899	.0053	3/4	3.57
100	552900	556900	.0050	3/4	3.57

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COBALT JOBBER DRILLS

Cobalt drills are made with 8% cobalt and have heavy duty flute construction. 1/16" and larger have a 135 degree split point. This type of drill is used in high tensile material such as stainless and titanium.

Package Qty.

1/64" - 19/64"	12 pcs. per pack	Gold
5/16" - 1/2"	6 pcs. per pack	Gold
A - N	12 pcs. per pack	Gold
O - Z	6 pcs. per pack	Gold



FRACTIONAL SIZES

PROUDLY MADE IN THE U.S.A.



Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1/64	543001	.0156	3/4	3/16	3.16
1/32	543002	.0313	1-3/8	1/2	2.41
3/64	543003	.0469	1-3/4	3/4	2.16
1/16	543004	.0625	1-7/8	7/8	1.97
5/64	543005	.0781	2	1	1.92
3/32	543006	.0938	2-1/4	1-1/4	1.92
7/64	543007	.1094	2-5/8	1-1/2	1.92
1/8	543008	.1250	2-3/4	1-5/8	1.92
9/64	543009	.1406	2-7/8	1-3/4	1.92
5/32	543010	.1563	3-1/8	2	2.14
11/64	543011	.1719	3-1/4	2-1/8	2.33
3/16	543012	.1875	3-1/2	2-5/16	2.60
13/64	543013	.2031	3-5/8	2-7/16	3.06
7/32	543014	.2188	3-3/4	2-1/2	3.36
15/64	543015	.2344	3-7/8	2-5/8	3.59
1/4	543016	.2500	4	2-3/4	3.86

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
17/64	543017	.2656	4-1/8	2-7/8	4.55
9/32	543018	.2813	4-1/4	2-15/16	4.73
19/64	543019	.2969	4-3/8	3-1/16	5.67
5/16	543020	.3125	4-1/2	3-3/16	6.08
21/64	543021	.3281	4-5/8	3-5/16	6.73
11/32	543022	.3438	4-3/4	3-7/16	7.37
23/64	543023	.3594	4-7/8	3-1/2	8.67
3/8	543024	.3750	5	3-5/8	8.83
25/64	543025	.3906	5-1/8	3-3/4	10.20
13/32	543026	.4063	5-1/4	3-7/8	10.70
27/64	543027	.4219	5-3/8	3-15/16	11.76
7/16	543028	.4375	5-1/2	4-1/16	12.05
29/64	543029	.4531	5-5/8	4-3/16	14.69
15/32	543030	.4688	5-3/4	4-5/16	14.94
31/64	543031	.4844	5-7/8	4-3/8	16.29
1/2	543032	.5000	6	4-1/2	16.28

LETTER SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
A	545901	.2340	3-7/8	2-5/8	3.86
B	545902	.2380	4	2-3/4	4.57
C	545903	.2420	4	2-3/4	4.57
D	545904	.2460	4	2-3/4	4.57
E	545905	.2500	4	2-3/4	4.57
F	545906	.2570	4-1/8	2-7/8	4.57
G	545907	.2610	4-1/8	2-7/8	4.57
H	545908	.2660	4-1/8	2-7/8	5.07
I	545909	.2720	4-1/8	2-7/8	5.07
J	545910	.2770	4-1/8	2-7/8	5.07
K	545911	.2810	4-1/4	2-15/16	5.07
L	545912	.2900	4-1/4	2-15/16	5.65
M	545913	.2950	4-3/8	3-1/16	6.08

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
N	545914	.3020	4-3/8	3-1/16	6.12
O	545915	.3160	4-1/2	3-3/16	6.73
P	545916	.3230	4-5/8	3-5/16	7.25
Q	545917	.3320	4-3/4	3-7/16	7.35
R	545918	.3390	4-3/4	3-7/16	7.35
S	545919	.3480	4-7/8	3-1/2	9.16
T	545920	.3580	4-7/8	3-1/2	9.16
U	545921	.3680	5	3-5/8	9.16
V	545922	.3770	5	3-5/8	10.51
W	545923	.3860	5-1/8	3-3/4	10.68
X	545924	.3970	5-1/8	3-3/4	10.68
Y	545925	.4040	5-1/4	3-7/8	11.39
Z	545926	.4130	5-1/4	3-7/8	12.37

Solid Carbide Jobber Drills 1/64" to 1/2", A to Z, #1 to #80
Available Upon Request



COBALT JOBBER DRILLS

Cobalt drills are made with 8% cobalt and have heavy duty flute construction. This type of drill is used in high tensile material such as stainless and titanium. #1 - #52 have a 135 deg. split point, #53 - #80 have a 135 deg. point.



#1 - #80

Package Qty.
12 pcs. per pack Gold



WIRE GAUGE SIZES

PROUDLY MADE IN THE U.S.A.



Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1	544801	.2280	3-7/8	2-5/8	4.03
2	544802	.2210	3-7/8	2-5/8	4.03
3	544803	.2130	3-3/4	2-1/2	3.59
4	544804	.2090	3-3/4	2-1/2	3.75
5	544805	.2055	3-3/4	2-1/2	3.75
6	544806	.2040	3-3/4	2-1/2	3.75
7	544807	.2010	3-5/8	2-7/16	3.13
8	544808	.1990	3-5/8	2-7/16	3.13
9	544809	.1960	3-5/8	2-7/16	3.13
10	544810	.1935	3-5/8	2-7/16	3.13
11	544811	.1910	3-1/2	2-5/16	3.13
12	544812	.1890	3-1/2	2-5/16	3.13
13	544813	.1850	3-1/2	2-5/16	3.13
14	544814	.1820	3-3/8	2-3/16	2.74
15	544815	.1800	3-3/8	2-3/16	2.74
16	544816	.1770	3-3/8	2-3/16	2.55
17	544817	.1730	3-3/8	2-3/16	2.53
18	544818	.1695	3-1/4	2-1/8	2.31
19	544819	.1660	3-1/4	2-1/8	2.24
20	544820	.1610	3-1/4	2-1/8	2.24
21	544821	.1590	3-1/4	2-1/8	2.24
22	544822	.1570	3-1/8	2	2.24
23	544823	.1540	3-1/8	2	2.24
24	544824	.1520	3-1/8	2	2.24
25	544825	.1495	3	1-7/8	2.24
26	544826	.1470	3	1-7/8	2.24
27	544827	.1440	3	1-7/8	2.24
28	544828	.1405	2-7/8	1-3/4	2.24
29	544829	.1360	2-7/8	1-3/4	2.24
30	544830	.1285	2-3/4	1-5/8	2.24
31	544831	.1200	2-3/4	1-5/8	2.24
32	544832	.1160	2-3/4	1-5/8	2.24
33	544833	.1130	2-5/8	1-1/2	2.24
34	544834	.1110	2-5/8	1-1/2	2.24
35	544835	.1100	2-5/8	1-1/2	2.24
36	544836	.1065	2-1/2	1-7/16	2.16
37	544837	.1040	2-1/2	1-7/16	2.16
38	544838	.1015	2-1/2	1-7/16	2.06
39	544839	.0995	2-3/8	1-3/8	2.06
40	544840	.0980	2-3/8	1-3/8	2.01

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
41	544841	.0960	2-3/8	1-3/8	2.01
42	544842	.0935	2-1/4	1-1/4	2.01
43	544843	.0890	2-1/4	1-1/4	2.01
44	544844	.0860	2-1/8	1-1/8	2.01
45	544845	.0820	2-1/8	1-1/8	2.01
46	544846	.0810	2-1/8	1-1/8	2.01
47	544847	.0785	2	1	2.01
48	544848	.0760	2	1	2.01
49	544849	.0730	2	1	2.01
50	544850	.0700	2	1	2.01
51	544851	.0670	2	1	2.01
52	544852	.0635	1-7/8	7/8	2.01
53	544853	.0595	1-7/8	7/8	2.01
54	544854	.0550	1-7/8	7/8	2.16
55	544855	.0520	1-7/8	7/8	2.16
56	544856	.0465	1-3/4	3/4	2.16
57	544857	.0430	1-3/4	3/4	2.41
58	544858	.0420	1-5/8	11/16	2.41
59	544859	.0410	1-5/8	11/16	2.41
60	544860	.0400	1-5/8	11/16	2.41
61	544861	.0390	1-5/8	11/16	2.41
62	544862	.0380	1-1/2	5/8	2.41
63	544863	.0370	1-1/2	5/8	2.41
64	544864	.0360	1-1/2	5/8	2.41
65	544865	.0350	1-1/2	5/8	2.41
66	544866	.0330	1-3/8	1/2	2.41
67	544867	.0320	1-3/8	1/2	2.41
68	544868	.0310	1-3/8	1/2	2.41
69	544869	.0292	1-3/8	1/2	2.86
70	544870	.0280	1-1/4	3/8	2.86
71	544871	.0260	1-1/4	3/8	2.97
72	544872	.0250	1-1/8	5/16	2.97
73	544873	.0240	1-1/8	5/16	2.97
74	544874	.0225	1	1/4	2.97
75	544875	.0210	1	1/4	2.97
76	544876	.0200	7/8	3/16	2.97
77	544877	.0180	7/8	3/16	2.97
78	544878	.0160	7/8	3/16	2.97
79	544879	.0145	3/4	3/16	3.16
80	544880	.0135	3/4	3/16	3.16

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LEFT HAND JOBBER DRILLS

Left hand drills have the same configurations of a standard drill. They are routinely used in screw machine applications. 118 deg. standard drill point.

Package Qty.

1/64" - 19/64" 12 pcs. per pack Bright
5/16" - 1/2" 6 pcs. per pack Bright



FRACTIONAL SIZES

PROUDLY MADE IN THE U.S.A.



Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1/64	516001	.0156	3/4	3/16	9.73
1/32	516002	.0313	1-3/8	1/2	7.43
3/64	516003	.0469	1-3/4	3/4	7.04
1/16	516004	.0625	1-7/8	7/8	5.97
5/64	516005	.0781	2	1	6.11
3/32	516006	.0938	2-1/4	1-1/4	6.37
7/64	516007	.1094	2-5/8	1-1/2	6.37
1/8	516008	.1250	2-3/4	1-5/8	6.23
9/64	516009	.1406	2-7/8	1-3/4	6.89
5/32	516010	.1563	3-1/8	2	6.89
11/64	516011	.1719	3-1/4	2-1/8	8.61
3/16	516012	.1875	3-1/2	2-5/16	9.15
13/64	516013	.2031	3-5/8	2-7/16	6.19
7/32	516014	.2188	3-3/4	2-1/2	6.75
15/64	516015	.2344	3-7/8	2-5/8	7.05
1/4	516016	.2500	4	2-3/4	7.12

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
17/64	516017	.2656	4-1/8	2-7/8	7.30
9/32	516018	.2813	4-1/2	2-15/16	7.67
19/64	516019	.2969	4-3/8	3-1/16	8.43
5/16	516020	.3125	4-1/2	3-3/16	8.93
21/64	516021	.3281	4-5/8	3-5/16	9.70
11/32	516022	.3438	4-3/4	3-7/16	10.49
23/64	516023	.3594	4-7/8	3-1/2	11.51
3/8	516024	.3750	5	3-5/8	12.78
25/64	516025	.3906	5-1/8	3-3/4	13.78
13/32	516026	.4063	5-1/4	3-7/8	15.31
27/64	516027	.4219	5-3/8	3-15/16	16.60
7/16	516028	.4375	5-1/2	4-1/16	17.87
29/64	516029	.4531	5-5/8	4-3/16	19.13
15/32	516030	.4688	5-3/4	4-5/16	21.23
31/64	516031	.4844	5-7/8	4-3/8	22.98
1/2	516032	.5000	6	4-1/2	24.74

Letter Left Hand Jobber Drills Priced Upon Request



LEFT HAND JOBBER DRILLS

Left hand drills have the same configurations of a standard drill. They are routinely used in screw machine applications. 118 deg. standard drill point.

Package Qty.
#1 - #80 12 pcs. per pack Bright



WIRE GAUGE SIZES

PROUDLY MADE IN THE U.S.A.



Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1	517801	.2280	3-7/8	2-5/8	13.34
2	517802	.2210	3-7/8	2-5/8	12.87
3	517803	.2130	3-3/4	2-1/2	12.26
4	517804	.2090	3-3/4	2-1/2	12.26
5	517805	.2055	3-3/4	2-1/2	12.26
6	517806	.2040	3-3/4	2-1/2	12.26
7	517807	.2010	3-5/8	2-7/16	10.35
8	517808	.1990	3-5/8	2-7/16	10.35
9	517809	.1960	3-5/8	2-7/16	10.35
10	517810	.1935	3-5/8	2-7/16	10.35
11	517811	.1910	3-1/2	2-5/16	9.96
12	517812	.1890	3-1/2	2-5/16	9.96
13	517813	.1850	3-1/2	2-5/16	7.96
14	517814	.1820	3-3/8	2-3/16	7.96
15	517815	.1800	3-3/8	2-3/16	7.96
16	517816	.1770	3-3/8	2-3/16	7.83
17	517817	.1730	3-3/8	2-3/16	7.83
18	517818	.1695	3-1/4	2-1/8	7.83
19	517819	.1660	3-1/4	2-1/8	7.04
20	517820	.1610	3-1/4	2-1/8	7.04
21	517821	.1590	3-1/4	2-1/8	6.50
22	517822	.1570	3-1/8	2	6.50
23	517823	.1540	3-1/8	2	6.50
24	517824	.1520	3-1/8	2	6.50
25	517825	.1495	3	1-7/8	6.23
26	517826	.1470	3	1-7/8	6.23
27	517827	.1440	3	1-7/8	6.23
28	517828	.1405	2-7/8	1-3/4	5.69
29	517829	.1360	2-7/8	1-3/4	5.69
30	517830	.1285	2-3/4	1-5/8	5.69
31	517831	.1200	2-3/4	1-5/8	5.69
32	517832	.1160	2-3/4	1-5/8	5.69
33	517833	.1130	2-5/8	1-1/2	5.69
34	517834	.1110	2-5/8	1-1/2	5.69
35	517835	.1100	2-5/8	1-1/2	5.69
36	517836	.1065	2-1/2	1-7/16	5.69
37	517837	.1040	2-1/2	1-7/16	5.69
38	517838	.1015	2-1/2	1-7/16	5.69
39	517839	.0995	2-3/8	1-3/8	5.69
40	517840	.0980	2-3/8	1-3/8	5.69

Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
41	517841	.0960	2-3/8	1-3/8	5.69
42	517842	.0935	2-1/4	1-1/4	5.69
43	517843	.0890	2-1/4	1-1/4	5.69
44	517844	.0860	2-1/8	1-1/8	5.69
45	517845	.0820	2-1/8	1-1/8	5.69
46	517846	.0810	2-1/8	1-1/8	5.69
47	517847	.0785	2	1	5.69
48	517848	.0760	2	1	5.69
49	517849	.0730	2	1	5.69
50	517850	.0700	2	1	5.69
51	517851	.0670	2	1	5.69
52	517852	.0635	1-7/8	7/8	5.69
53	517853	.0595	1-7/8	7/8	5.97
54	517854	.0550	1-7/8	7/8	5.97
55	517855	.0520	1-7/8	7/8	5.97
56	517856	.0465	1-3/4	3/4	5.97
57	517857	.0430	1-3/4	3/4	5.97
58	517858	.0420	1-5/8	11/16	5.97
59	517859	.0410	1-5/8	11/16	5.97
60	517860	.0400	1-5/8	11/16	5.97
61	517861	.0390	1-5/8	11/16	5.97
62	517862	.0380	1-1/2	5/8	5.97
63	517863	.0370	1-1/2	5/8	5.97
64	517864	.0360	1-1/2	5/8	5.97
65	517865	.0350	1-1/2	5/8	5.97
66	517866	.0330	1-3/8	1/2	5.97
67	517867	.0320	1-3/8	1/2	5.97
68	517868	.0310	1-3/8	1/2	9.73
69	517869	.0292	1-3/8	1/2	9.73
70	517870	.0280	1-1/4	3/8	9.73
71	517871	.0260	1-1/4	3/8	9.73
72	517872	.0250	1-1/8	5-1/6	9.73
73	517873	.0240	1-1/8	5-1/6	9.73
74	517874	.0225	1	1/4	9.73
75	517875	.0210	1	1/4	9.73
76	517876	.0200	7/8	3/16	9.73
77	517877	.0180	7/8	3/16	9.73
78	517878	.0160	7/8	3/16	9.73
79	517879	.0145	3/4	3/16	10.90
80	517880	.0135	3/4	3/16	10.90

Miniature Left Hand Jobber Drills Available on Page 14

SCREW MACHINE DRILLS

The short flute and overall lengths are designed for rigidity and strength. 118 deg. standard point.



3/64"-19/64"	12 pcs. per pack	Bright
5/16" - 1/2"	6 pcs. per pack	Bright
33/64"- 1"	1 pc. per pack	
A-N	12 pcs. per pack	Bright
O - Z	6 pcs. per pack	Bright

Package Qty.

FRACTIONAL SIZES

PROUDLY MADE IN THE U.S.A.



Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
3/64	505003	.0469	1-3/8	1/2	1.23
1/16	505004	.0625	1-5/8	5/8	1.20
5/64	505005	.0781	1-11/16	11/16	1.20
3/32	505006	.0938	1-3/4	3/4	1.20
7/64	505007	.1094	1-13/16	13/16	1.10
1/8	505008	.1250	1-7/8	7/8	0.97
9/64	505009	.1406	1-15/16	15/16	1.00
5/32	505010	.1563	2-1/16	1	1.08
11/64	505011	.1719	2-1/8	1-1/16	1.20
3/16	505012	.1875	2-3/16	1-1/8	1.27
13/64	505013	.2031	2-1/4	1-3/16	1.32
7/32	505014	.2188	2-3/8	1-1/4	1.57
15/64	505015	.2344	2-7/16	1-5/16	1.61
1/4	505016	.2500	2-1/2	1-3/8	1.68
17/64	505017	.2656	2-5/8	1-7/16	1.99
9/32	505018	.2813	2-11/16	1-1/2	2.14
19/64	505019	.2969	2-3/4	1-9/16	2.29
5/16	505020	.3125	2-13/16	1-5/8	2.48
21/64	505021	.3281	2-15/16	1-11/16	2.70
11/32	505022	.3438	3	1-11/16	3.06
23/64	505023	.3594	3-1/16	1-3/4	3.55
3/8	505024	.3750	3-1/8	1-13/16	3.71
25/64	505025	.3906	3-1/4	1-7/8	4.18
13/32	505026	.4063	3-5/16	1-15/16	4.44
27/64	505027	.4219	3-3/8	2	4.79
7/16	505028	.4375	3-7/16	2-1/16	4.90
29/64	505029	.4531	3-9/16	2-1/8	5.80
15/32	505030	.4688	3-5/8	2-1/8	6.17
31/64	505031	.4844	3-11/16	2-3/16	6.36
1/2	505032	.5000	3-3/4	2-1/4	6.36
33/64	505033	.5156	3-7/8	2-3/8	17.75

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
17/32	505034	.5312	3-7/8	2-3/8	18.55
35/64	505035	.5469	4	2-1/2	19.31
9/16	505036	.5625	4	2-1/2	19.31
37/64	505037	.5781	4-1/8	2-5/8	22.09
19/32	505038	.5938	4-1/8	2-5/8	22.09
39/64	505039	.6094	4-1/4	2-3/4	23.16
5/8	505040	.6250	4-1/4	2-3/4	22.31
41/64	505041	.6406	4-1/2	2-7/8	25.56
21/32	505042	.6562	4-1/2	2-7/8	28.41
43/64	505043	.6719	4-1/2	2-7/8	25.56
11/16	505044	.6875	4-1/2	2-7/8	28.41
45/64	505045	.7031	4-3/4	3	30.75
23/32	505046	.7188	4-3/4	3	30.75
47/64	505047	.7344	5	3-1/8	33.09
3/4	505048	.7500	5	3-1/8	32.49
49/64	505049	.7656	5-1/8	3-1/4	35.42
25/32	505050	.7812	5-1/8	3-1/4	35.42
51/64	505051	.7969	5-1/4	3-3/8	37.87
13/16	505052	.8125	5-1/4	3-3/8	37.29
53/64	505053	.8281	5-3/8	3-1/2	39.55
27/32	505054	.8438	5-3/8	3-1/2	39.55
55/64	505055	.8594	5-3/8	3-1/2	40.90
7/8	505056	.8750	5-3/8	3-1/2	40.59
57/64	505057	.8906	5-5/8	3-5/8	42.46
29/32	505058	.9062	5-5/8	3-5/8	42.46
59/64	505059	.9219	5-3/4	3-3/4	46.84
15/16	505060	.9375	5-3/4	3-3/4	46.84
61/64	505061	.9531	5-7/8	3-7/8	50.86
31/32	505062	.9688	5-7/8	3-7/8	50.86
63/64	505063	.9844	6	4	53.90
1 inch	505064	1.0000	6	4	52.17

LETTER SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
A	507901	.2340	2-7/16	1-5/16	1.90
B	507902	.2380	2-1/2	1-3/8	1.90
C	507903	.2420	2-1/2	1-3/8	1.90
D	507904	.2460	2-1/2	1-3/8	1.90
E	507905	.2500	2-1/2	1-3/8	1.68
F	507906	.2570	2-5/8	1-7/16	2.12
G	507907	.2610	2-5/8	1-7/16	2.24
H	507908	.2660	2-11/16	1-1/2	2.24
I	507909	.2720	2-11/16	1-1/2	2.24
J	507910	.2770	2-11/16	1-1/2	2.41
K	507911	.2810	2-11/16	1-1/2	2.58
L	507912	.2900	2-3/4	1-9/16	2.58
M	507913	.2950	2-3/4	1-9/16	2.85

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
N	507914	.3020	2-13/16	1-5/8	2.85
O	507915	.3160	2-15/16	1-11/16	2.85
P	507916	.3230	2-15/16	1-11/16	3.11
Q	507917	.3320	3	1-11/16	3.11
R	507918	.3390	3	1-11/16	3.11
S	507919	.3480	3-1/16	1-3/4	3.59
T	507920	.3580	3-1/16	1-3/4	4.18
U	507921	.3680	3-1/8	1-13/16	4.18
V	507922	.3770	3-1/4	1-7/8	4.49
W	507923	.3860	3-1/4	1-7/8	4.68
X	507924	.3970	3-5/16	1-15/16	5.45
Y	507925	.4040	3-5/16	1-15/16	6.50
Z	507926	.4130	3-3/8	2	6.50

SCREW MACHINE DRILLS

The short flute and overall lengths are designed for rigidity and strength. 118 deg. standard point.

#1 - #60

12 pcs. per pack

Package Qty.

Bright



WIRE GAUGE SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1	506801	.2280	2-7/16	1-5/16	1.68
2	506802	.2210	2-7/16	1-5/16	1.68
3	506803	.2130	2-3/8	1-1/4	1.61
4	506804	.2090	2-3/8	1-1/4	1.61
5	506805	.2055	2-3/8	1-1/4	1.61
6	506806	.2040	2-3/8	1-1/4	1.61
7	506807	.2010	2-1/4	1-3/16	1.29
8	506808	.1990	2-1/4	1-3/16	1.29
9	506809	.1960	2-1/4	1-3/16	1.29
10	506810	.1935	2-1/4	1-3/16	1.29
11	506811	.1910	2-1/4	1-3/16	1.29
12	506812	.1890	2-1/4	1-3/16	1.29
13	506813	.1850	2-3/16	1-1/8	1.29
14	506814	.1820	2-3/16	1-1/8	1.29
15	506815	.1800	2-3/16	1-1/8	1.29
16	506816	.1770	2-3/16	1-1/8	1.29
17	506817	.1730	2-3/16	1-1/8	1.29
18	506818	.1695	2-1/8	1-1/16	1.20
19	506819	.1660	2-1/8	1-1/16	1.20
20	506820	.1610	2-1/8	1-1/16	1.20
21	506821	.1590	2-1/8	1-1/16	1.08
22	506822	.1570	2-1/8	1-1/16	1.08
23	506823	.1540	2-1/16	1	1.08
24	506824	.1520	2-1/16	1	1.08
25	506825	.1495	2-1/16	1	1.08
26	506826	.1470	2-1/16	1	1.05
27	506827	.1440	2-1/16	1	1.05
28	506828	.1405	1-15/16	15/16	1.09
29	506829	.1360	1-15/16	15/16	1.09
30	506830	.1285	1-15/16	15/16	1.09

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
31	506831	.1200	1-7/8	7/8	1.09
32	506832	.1160	1-7/8	7/8	1.09
33	506833	.1130	1-7/8	7/8	1.19
34	506834	.1110	1-7/8	7/8	1.19
35	506835	.1100	1-7/8	7/8	1.19
36	506836	.1065	1-13/16	13/16	1.19
37	506837	.1040	1-13/16	13/16	1.19
38	506838	.1015	1-13/16	13/16	1.19
39	506839	.0995	1-13/16	13/16	1.19
40	506840	.0980	1-13/16	13/16	1.19
41	506841	.0960	1-13/16	13/16	1.19
42	506842	.0935	1-3/4	3/4	1.19
43	506843	.0890	1-3/4	3/4	1.19
44	506844	.0860	1-3/4	3/4	1.19
45	506845	.0820	1-3/4	3/4	1.19
46	506846	.0810	1-3/4	3/4	1.19
47	506847	.0785	1-11/16	11/16	1.19
48	506848	.0760	1-11/16	11/16	1.19
49	506849	.0730	1-11/16	11/16	1.19
50	506850	.0700	1-11/16	11/16	1.19
51	506851	.0670	1-11/16	11/16	1.19
52	506852	.0635	1-11/16	11/16	1.19
53	506853	.0595	1-5/8	5/8	1.19
54	506854	.0550	1-5/8	5/8	1.19
55	506855	.0520	1-5/8	5/8	1.19
56	506856	.0465	1-3/8	1/2	1.19
57	506857	.0430	1-3/8	1/2	1.19
58	506858	.0420	1-3/8	1/2	1.19
59	506859	.0410	1-3/8	1/2	1.19
60	506860	.0400	1-3/8	1/2	1.19

PROUDLY MADE IN THE U.S.A.



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LEFT HAND SCREW MACHINE DRILLS

The short flute and overall lengths are designed for rigidity and strength. 118 deg. standard point.



Package Qty.

3/64" - 19/64"	12 pcs. per pack	Bright
5/16" - 1/2"	6 pcs. per pack	Bright
#1 - #60	12 pcs. per pack	Bright

FRACTIONAL SIZES

PROUDLY MADE IN THE U.S.A.



Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
3/64	559003	.0469	1-3/8	1/2	3.91
1/16	559004	.0625	1-5/8	5/8	3.91
5/64	559005	.0781	1-11/16	11/16	3.91
3/32	559006	.0938	1-3/4	3/4	3.91
7/64	559007	.1094	1-13/16	13/16	3.91
1/8	559008	.1250	1-7/8	7/8	3.66
9/64	559009	.1406	1-15/16	15/16	3.66
5/32	559010	.1563	2-1/16	1	4.24
11/64	559011	.1719	2-1/8	1-1/16	4.85
3/16	559012	.1875	2-3/16	1-1/8	4.85
13/64	559013	.2031	2-1/4	1-3/16	4.84
7/32	559014	.2188	2-3/8	1-1/4	4.85
15/64	559015	.2344	2-7/16	1-5/16	5.19
1/4	559016	.2500	2-1/2	1-3/8	5.34
17/64	559017	.2656	2-5/8	1-7/16	5.72

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
9/32	559018	.2813	2-11/16	1-1/2	6.50
19/64	559019	.2969	2-3/4	1-9/16	6.88
5/16	559020	.3125	2-13/16	1-5/8	7.07
21/64	559021	.3281	2-15/16	1-11/16	7.86
11/32	559022	.3438	3	1-11/16	8.61
23/64	559023	.3594	3-1/16	1-3/4	9.37
3/8	559024	.3750	3-1/8	1-13/16	9.37
25/64	559025	.3906	3-1/4	1-7/8	9.78
13/32	559026	.4063	3-5/16	1-15/16	10.53
27/64	559027	.4219	3-3/8	2	10.91
7/16	559028	.4375	3-7/16	2-1/16	11.67
29/64	559029	.4531	3-9/16	2-1/8	12.04
15/32	559030	.4688	3-5/8	2-1/8	13.95
31/64	559031	.4844	3-11/16	2-3/16	14.90
1/2	559032	.5000	3-3/4	2-1/4	15.12

WIRE GAUGE SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1	560801	.2280	2-7/16	1-5/16	5.19
2	560802	.2210	2-7/16	1-5/16	4.84
3	560803	.2130	2-3/8	1-1/4	4.84
4	560804	.2090	2-3/8	1-1/4	4.84
5	560805	.2055	2-3/8	1-1/4	4.84
6	560806	.2040	2-3/8	1-1/4	4.84
7	560807	.2010	2-1/4	1-3/16	4.84
8	560808	.1990	2-1/4	1-3/16	4.85
9	560809	.1960	2-1/4	1-3/16	4.85
10	560810	.1935	2-1/4	1-3/16	4.85
11	560811	.1910	2-1/4	1-3/16	4.85
12	560812	.1890	2-1/4	1-3/16	4.85
13	560813	.1850	2-3/16	1-1/8	5.25
14	560814	.1820	2-3/16	1-1/8	5.25
15	560815	.1800	2-3/16	1-1/8	5.25
16	560816	.1770	2-3/16	1-1/8	5.25
17	560817	.1730	2-3/16	1-1/8	5.25
18	560818	.1695	2-1/8	1-1/16	4.75
19	560819	.1660	2-1/8	1-1/16	4.75
20	560820	.1610	2-1/8	1-1/16	4.75
21	560821	.1590	2-1/8	1-1/16	4.24
22	560822	.1570	2-1/8	1-1/16	4.24
23	560823	.1540	2-1/16	1	4.24
24	560824	.1520	2-1/16	1	4.24
25	560825	.1495	2-1/16	1	4.05
26	560826	.1470	2-1/16	1	4.05
27	560827	.1440	2-1/16	1	4.05
28	560828	.1405	1-15/16	15/16	3.66
29	560829	.1360	1-15/16	15/16	3.66
30	560830	.1285	1-15/16	15/16	3.66

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
31	560831	.1200	1-7/8	7/8	3.91
32	560832	.1160	1-7/8	7/8	3.91
33	560833	.1130	1-7/8	7/8	3.91
34	560834	.1110	1-7/8	7/8	3.91
35	560835	.1100	1-7/8	7/8	3.91
36	560836	.1065	1-13/16	13/16	3.91
37	560837	.1040	1-13/16	13/16	3.91
38	560838	.1015	1-13/16	13/16	3.91
39	560839	.0995	1-13/16	13/16	3.91
40	560840	.0980	1-13/16	13/16	3.91
41	560841	.0960	1-13/16	13/16	3.91
42	560842	.0935	1-3/4	3/4	3.91
43	560843	.0890	1-3/4	3/4	3.91
44	560844	.0860	1-3/4	3/4	3.91
45	560845	.0820	1-3/4	3/4	3.91
46	560846	.0810	1-3/4	3/4	3.91
47	560847	.0785	1-11/16	11/16	3.91
48	560848	.0760	1-11/16	11/16	3.91
49	560849	.0730	1-11/16	11/16	3.91
50	560850	.0700	1-11/16	11/16	3.91
51	560851	.0670	1-11/16	11/16	3.91
52	560852	.0635	1-11/16	11/16	3.91
53	560853	.0595	1-5/8	5/8	3.91
54	560854	.0550	1-5/8	5/8	3.91
55	560855	.0520	1-5/8	5/8	3.91
56	560856	.0465	1-3/8	1/2	3.91
57	560857	.0430	1-3/8	1/2	3.91
58	560858	.0420	1-3/8	1/2	3.91
59	560859	.0410	1-3/8	1/2	3.91
60	560860	.0400	1-3/8	1/2	3.91

Letter Left Hand Screw Machine Drills Available Upon Request

PHONE 800-826-5237



FAX 330-525-5432

HEAVY DUTY SCREW MACHINE DRILLS

Designed for shallow drilling. The heavier web construction enables drilling in higher tensile steel. 1/16" and larger have a 135 deg. split point, which is self-centering and reduces walking at point of entry.

Package Qty.

3/64" - 19/64"	12 pcs. per pack	Black
5/16" - 1/2"	6 pcs. per pack	Black
#1 - #60	12 pcs. per pack	Black

FRACTIONAL SIZES

PROUDLY MADE IN THE U.S.A.



Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
3/64	508003	.0469	1-3/8	1/2	1.47
1/16	508004	.0625	1-5/8	5/8	1.47
5/64	508005	.0781	1-11/16	11/16	1.47
3/32	508006	.0938	1-3/4	3/4	1.34
7/64	508007	.1094	1-13/16	13/16	1.34
1/8	508008	.1250	1-7/8	7/8	1.08
9/64	508009	.1406	1-15/16	15/16	1.14
5/32	508010	.1562	2-1/16	1	1.22
11/64	508011	.1719	2-1/8	1-1/16	1.32
3/16	508012	.1875	2-3/16	1-1/8	1.38
13/64	508013	.2031	2-1/4	1-3/16	1.49
7/32	508014	.2188	2-3/8	1-1/4	1.77
15/64	508015	.2344	2-7/16	1-5/16	1.80
1/4	508016	.2500	2-1/2	1-3/8	1.90
17/64	508017	.2656	2-5/8	1-7/16	2.19

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
9/32	508018	.2812	2-11/16	1-1/2	2.41
19/64	508019	.2969	2-3/4	1-9/16	2.58
5/16	508020	.3125	2-13/16	1-5/8	2.72
21/64	508021	.3281	2-15/16	1-11/16	3.01
11/32	508022	.3438	3	1-11/16	3.40
23/64	508023	.3594	3-1/16	1-3/4	3.91
3/8	508024	.3750	3-1/8	1-13/16	4.12
25/64	508025	.3906	3-1/4	1-7/8	4.63
13/32	508026	.4062	3-5/16	1-15/16	4.79
27/64	508027	.4219	3-3/8	2	5.26
7/16	508028	.4375	3-7/16	2-1/16	5.39
29/64	508029	.4531	3-9/16	2-1/8	6.34
15/32	508030	.4688	3-5/8	2-1/8	6.66
31/64	508031	.4844	3-11/16	2-3/16	6.90
1/2	508032	.5000	3-3/4	2-1/4	6.90

WIRE GAUGE SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1	509801	.2280	2-7/16	1-5/16	1.92
2	509802	.2210	2-7/16	1-5/16	1.92
3	509803	.2130	2-3/8	1-1/4	1.80
4	509804	.2090	2-3/8	1-1/4	1.80
5	509805	.2055	2-3/8	1-1/4	1.80
6	509806	.2040	2-3/8	1-1/4	1.80
7	509807	.2010	2-1/4	1-3/16	1.55
8	509808	.1990	2-1/4	1-3/16	1.55
9	509809	.1960	2-1/4	1-3/16	1.55
10	509810	.1935	2-1/4	1-3/16	1.55
11	509811	.1910	2-1/4	1-3/16	1.55
12	509812	.1890	2-1/4	1-3/16	1.55
13	509813	.1850	2-3/16	1-1/8	1.55
14	509814	.1820	2-3/16	1-1/8	1.55
15	509815	.1800	2-3/16	1-1/8	1.55
16	509816	.1770	2-3/16	1-1/8	1.55
17	509817	.1730	2-3/16	1-1/8	1.55
18	509818	.1695	2-1/8	1-1/16	1.32
19	509819	.1660	2-1/8	1-1/16	1.32
20	509820	.1610	2-1/8	1-1/16	1.32
21	509821	.1590	2-1/8	1-1/16	1.25
22	509822	.1570	2-1/8	1-1/16	1.25
23	509823	.1540	2-1/16	1	1.25
24	509824	.1520	2-1/16	1	1.25
25	509825	.1495	2-1/16	1	1.20
26	509826	.1470	2-1/16	1	1.20
27	509827	.1440	2-1/16	1	1.20
28	509828	.1405	1-15/16	15/16	1.14
29	509829	.1360	1-15/16	15/16	1.14
30	509830	.1285	1-15/16	15/16	1.14

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
31	509831	.1200	1-7/8	7/8	1.41
32	509832	.1160	1-7/8	7/8	1.41
33	509833	.1130	1-7/8	7/8	1.41
34	509834	.1110	1-7/8	7/8	1.41
35	509835	.1100	1-7/8	7/8	1.41
36	509836	.1065	1-13/16	13/16	1.41
37	509837	.1040	1-13/16	13/16	1.41
38	509838	.1015	1-13/16	13/16	1.41
39	509839	.0995	1-13/16	13/16	1.41
40	509840	.0980	1-13/16	13/16	1.41
41	509841	.0960	1-13/16	13/16	1.41
42	509842	.0935	1-3/4	3/4	1.41
43	509843	.0890	1-3/4	3/4	1.41
44	509844	.0860	1-3/4	3/4	1.41
45	509845	.0820	1-3/4	3/4	1.41
46	509846	.0810	1-3/4	3/4	1.41
47	509847	.0785	1-11/16	11/16	1.41
48	509848	.0760	1-11/16	11/16	1.41
49	509849	.0730	1-11/16	11/16	1.41
50	509850	.0700	1-11/16	11/16	1.41
51	509851	.0670	1-11/16	11/16	1.41
52	509852	.0635	1-11/16	11/16	1.41
53	509853	.0595	1-5/8	5/8	1.41
54	509854	.0550	1-5/8	5/8	1.41
55	509855	.0520	1-5/8	5/8	1.41
56	509856	.0465	1-3/8	1/2	1.41
57	509857	.0430	1-3/8	1/2	1.41
58	509858	.0420	1-3/8	1/2	1.41
59	509859	.0410	1-3/8	1/2	1.41
60	509860	.0400	1-3/8	1/2	1.41

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COBALT SCREW MACHINE DRILLS

Manufactured with 8% cobalt for use in drilling tough materials such as stainless steels. 1/16" and larger have a 135 deg. split point. The 135 deg. split point heavy duty construction helps in tough drilling applications.



Package Qty.

3/64" - 19/64"	12 pcs. per pack	Gold
5/16" - 1/2"	6 pcs. per pack	Gold
#1 - #60	12 pcs. per pack	Gold

FRACTIONAL SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
3/64	304003	.0469	1-3/8	1/2	2.42
1/16	304004	.0625	1-5/8	5/8	2.42
5/64	304005	.0781	1-11/16	11/16	2.42
3/32	304006	.0938	1-3/4	3/4	2.22
7/64	304007	.1094	1-13/16	13/16	2.22
1/8	304008	.1250	1-7/8	7/8	1.63
9/64	304009	.1406	1-15/16	15/16	1.63
5/32	304010	.1562	2-1/16	1	1.92
11/64	304011	.1719	2-1/8	1-1/16	2.24
3/16	304012	.1875	2-3/16	1-1/8	2.38
13/64	304013	.2031	2-1/4	1-3/16	2.67
7/32	304014	.2188	2-3/8	1-1/4	3.13
15/64	304015	.2344	2-7/16	1-5/16	3.31
1/4	304016	.2500	2-1/2	1-3/8	3.49
17/64	304017	.2656	2-5/8	1-7/16	4.16

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
9/32	304018	.2812	2-11/16	1-1/2	4.24
19/64	304019	.2969	2-3/4	1-9/16	5.17
5/16	304020	.3125	2-13/16	1-5/8	5.28
21/64	304021	.3281	2-15/16	1-11/16	6.27
11/32	304022	.3438	3	1-11/16	6.38
23/64	304023	.3594	3-1/16	1-3/4	7.57
3/8	304024	.3750	3-1/8	1-13/16	7.81
25/64	304025	.3906	3-1/4	1-7/8	9.19
13/32	304026	.4062	3-5/16	1-15/16	9.47
27/64	304027	.4219	3-3/8	2	10.29
7/16	304028	.4375	3-7/16	2-1/16	10.46
29/64	304029	.4531	3-9/16	2-1/8	13.09
15/32	304030	.4688	3-5/8	2-1/8	13.48
31/64	304031	.4844	3-11/16	2-3/16	13.48
1/2	304032	.5000	3-3/4	2-1/4	13.48

WIRE GAUGE SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1	305801	.2280	2-7/16	1-5/16	3.32
2	305802	.2210	2-7/16	1-5/16	3.32
3	305803	.2130	2-3/8	1-1/4	3.08
4	305804	.2090	2-3/8	1-1/4	3.08
5	305805	.2055	2-3/8	1-1/4	3.08
6	305806	.2040	2-3/8	1-1/4	3.08
7	305807	.2010	2-1/4	1-3/16	2.53
8	305808	.1990	2-1/4	1-3/16	2.53
9	305809	.1960	2-1/4	1-3/16	2.53
10	305810	.1935	2-1/4	1-3/16	2.53
11	305811	.1910	2-1/4	1-3/16	2.50
12	305812	.1890	2-1/4	1-3/16	2.50
13	305813	.1850	2-3/16	1-1/8	2.50
14	305814	.1820	2-3/16	1-1/8	2.50
15	305815	.1800	2-3/16	1-1/8	2.50
16	305816	.1770	2-3/16	1-1/8	2.50
17	305817	.1730	2-3/16	1-1/8	2.41
18	305818	.1695	2-1/8	1-1/16	2.24
19	305819	.1660	2-1/8	1-1/16	2.24
20	305820	.1610	2-1/8	1-1/16	2.04
21	305821	.1590	2-1/8	1-1/16	2.02
22	305822	.1570	2-1/8	1-1/16	2.02
23	305823	.1540	2-1/16	1	2.02
24	305824	.1520	2-1/16	1	2.02
25	305825	.1495	2-1/16	1	1.73
26	305826	.1470	2-1/16	1	1.73
27	305827	.1440	2-1/16	1	1.73
28	305828	.1405	1-15/16	15/16	1.63
29	305829	.1360	1-15/16	15/16	1.63
30	305830	.1285	1-15/16	15/16	1.63

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
31	305831	.1200	1-7/8	7/8	2.31
32	305832	.1160	1-7/8	7/8	2.31
33	305833	.1130	1-7/8	7/8	2.31
34	305834	.1110	1-7/8	7/8	2.31
35	305835	.1100	1-7/8	7/8	2.31
36	305836	.1065	1-13/16	13/16	2.31
37	305837	.1040	1-13/16	13/16	2.31
38	305838	.1015	1-13/16	13/16	2.31
39	305839	.0995	1-13/16	13/16	2.31
40	305840	.0980	1-13/16	13/16	2.31
41	305841	.0960	1-13/16	13/16	2.31
42	305842	.0935	1-3/4	3/4	2.31
43	305843	.0890	1-3/4	3/4	2.31
44	305844	.0860	1-3/4	3/4	2.31
45	305845	.0820	1-3/4	3/4	2.31
46	305846	.0810	1-3/4	3/4	2.31
47	305847	.0785	1-11/16	11/16	2.31
48	305848	.0760	1-11/16	11/16	2.31
49	305849	.0730	1-11/16	11/16	2.31
50	305850	.0700	1-11/16	11/16	2.31
51	305851	.0670	1-11/16	11/16	2.31
52	305852	.0635	1-11/16	11/16	2.31
53	305853	.0595	1-5/8	5/8	2.31
54	305854	.0550	1-5/8	5/8	2.31
55	305855	.0520	1-5/8	5/8	2.31
56	305856	.0465	1-3/8	1/2	2.31
57	305857	.0430	1-3/8	1/2	2.31
58	305858	.0420	1-3/8	1/2	2.31
59	305859	.0410	1-3/8	1/2	2.31
60	305860	.0400	1-3/8	1/2	2.31

COBALT TAPER LENGTH DRILLS

Made with 8% cobalt and have heavy duty flute construction. This type of drill is used in high tensile material such as stainless and titanium when extra length is needed.

Package Qty.

#1 - #80 12 pcs. per pack Gold
1/64" - 1/8 12 pcs. Per pack Gold
#31 - #52 135 deg. split point
#53 - #80 135 deg point



WIRE GAUGE SIZES

PROUDLY MADE IN THE U.S.A.



Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
31	531831	.1200	5-1/8	2-3/4	9.50
32	531832	.1160	5-1/8	2-3/4	9.50
33	531833	.1130	5-1/8	2-3/4	9.50
34	531834	.1110	5-1/8	2-3/4	9.50
35	531835	.1100	5-1/8	2-3/4	9.50
36	531836	.1065	4-5/8	2-1/2	9.23
37	531837	.1040	4-5/8	2-1/2	9.23
38	531838	.1015	4-5/8	2-1/2	9.23
39	531839	.0995	4-5/8	2-1/2	9.23
40	531840	.0980	4-5/8	2-1/2	9.23
41	531841	.0960	4-5/8	2-1/2	9.23
42	531842	.0935	4-1/4	2-1/4	8.52
43	531843	.0890	4-1/4	2-1/4	8.52
44	531844	.0860	4-1/4	2-1/4	8.52
45	531845	.0820	4-1/4	2-1/4	8.52
46	531846	.0810	4-1/4	2-1/4	8.52
47	531847	.0785	4-1/4	2-1/4	8.52
48	531848	.0760	3-3/4	2	8.06
49	531849	.0730	3-3/4	2	8.06
50	531850	.0700	3-3/4	2	8.06
51	531851	.0670	3-3/4	2	8.06
52	531852	.0635	3-3/4	2	8.06
53	531853	.0595	3	1-3/4	8.06
54	531854	.0550	3	1-3/4	8.06
55	531855	.0520	3	1-3/4	8.06

Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
56	531856	.0465	2-1/4	1-1/8	8.06
57	531857	.0430	2-1/4	1-1/8	8.06
58	531858	.0420	2-1/4	1-1/8	8.06
59	531859	.0410	2-1/4	1-1/8	8.06
60	531860	.0400	2-1/4	1-1/8	8.06
61	531861	.0390	3	1-3/4	9.50
62	531862	.0380	3	1-3/4	9.50
63	531863	.0370	3	1-3/4	9.50
64	531864	.0360	3	1-3/4	9.50
65	531865	.0350	3	1-3/4	9.50
66	531866	.0330	3	1-5/8	9.50
67	531867	.0320	3	1-5/8	9.50
68	531868	.0310	2-7/8	1-1/4	9.50
69	531869	.0292	2-3/4	1	9.50
70	531870	.0280	2-5/8	3/4	9.50
71	531871	.0260	2-5/8	3/4	9.50
72	531872	.0250	2-1/2	5/8	9.50
73	531873	.0240	2-3/8	5/8	9.50
74	531874	.0225	2-1/4	1/2	9.50
75	531875	.0210	2-1/8	1/2	9.50
76	531876	.0200	2	3/8	9.50
77	531877	.0180	1-7/8	3/8	9.50
78	531878	.0160	1-3/4	3/8	9.50
79	531879	.0145	1-1/2	3/8	9.50
80	531880	.0135	1-1/2	3/8	9.50

FRACTIONAL SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1/64	530001	.0156	1-3/4	3/8	9.50
1/32	530002	.0313	2-7/8	1-1/2	9.50
3/64	530003	.0469	2-1/4	1-1/8	8.06
1/16	530004	.0625	3	1-3/4	4.61
5/64	530005	.0781	3-3/4	2	5.39
3/32	530006	.0938	4-1/4	2-1/4	6.31
7/64	530007	.1094	4-5/8	2-1/2	8.07
1/8	530008	.1250	5-1/8	2-3/4	8.31

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TAPER LENGTH REGULAR SPIRAL DRILLS

Used in general purpose drilling application,
where extra length is needed. 118 deg.
standard drill point. Drills are not tapered.

1/64" - 1" Bright
A - Z Bright

Package Qty.
1/64" - 19/64" 12 pcs. per pack
5/16" - 1/2" 6 pcs. per pack
33/64" - 1" 1 pc. per pack
A - N 12 pcs. per pack
O - Z 6 pcs. per pack



FRACTIONAL SIZES

PROUDLY MADE IN THE U.S.A.



Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1/64	532001	.0156	1-3/4	3/8	3.98
1/32	532002	.0313	2-7/8	1-1/2	3.73
3/64	532003	.0469	2-1/4	1-1/8	3.12
1/16	532004	.0625	3	1-3/4	3.12
5/64	532005	.0781	3-3/4	2	3.58
3/32	532006	.0938	4-1/4	2-1/4	3.85
7/64	532007	.1094	4-5/8	2-1/2	4.81
1/8	532008	.1250	5-1/8	2-3/4	4.29
9/64	532009	.1406	5-3/8	3	5.04
5/32	532010	.1563	5-3/8	3	4.59
11/64	532011	.1719	5-3/4	3-3/8	5.39
3/16	532012	.1875	5-3/4	3-3/8	4.59
13/64	532013	.2031	6	3-5/8	6.14
7/32	532014	.2188	6	3-5/8	6.55
15/64	532015	.2344	6-1/8	3-3/4	6.55
1/4	532016	.2500	6-1/8	3-3/4	5.83
17/64	532017	.2656	6-1/4	3-7/8	6.99
9/32	532018	.2813	6-1/4	3-7/8	6.99
19/64	532019	.2969	6-3/8	4	7.50
5/16	532020	.3125	6-3/8	4	7.37
21/64	532021	.3281	6-1/2	4-1/8	7.76
11/32	532022	.3438	6-1/2	4-1/8	8.17
23/64	532023	.3594	6-3/4	4-1/4	9.33
3/8	532024	.3750	6-3/4	4-1/4	9.33
25/64	532025	.3906	7	4-3/8	10.10
13/32	532026	.4063	7	4-3/8	10.87
27/64	532027	.4219	7-1/4	4-5/8	10.87
7/16	532028	.4375	7-1/4	4-5/8	10.87
29/64	532029	.4531	7-1/2	4-3/4	12.44
15/32	532030	.4688	7-1/2	4-3/4	12.83
31/64	532031	.4844	7-3/4	4-3/4	13.98
1/2	532032	.5000	7-3/4	4-3/4	14.75

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
33/64	532033	.5156	8	4-3/4	21.90
17/32	532034	.5312	8	4-3/4	21.34
35/64	532035	.5469	8-1/4	4-7/8	24.37
9/16	532036	.5625	8-1/4	4-7/8	22.50
37/64	532037	.5781	8-3/4	4-7/8	26.24
19/32	532038	.5938	8-3/4	4-7/8	26.24
39/64	532039	.6094	8-3/4	4-7/8	27.61
5/8	532040	.6250	8-3/4	4-7/8	26.24
41/64	532041	.6406	9	5-1/8	31.69
21/32	532042	.6562	9	5-1/8	30.58
43/64	532043	.6719	9-1/4	5-3/8	35.94
11/16	532044	.6875	9-1/4	5-3/8	34.57
45/64	532045	.7031	9-1/2	5-5/8	38.53
23/32	532046	.7188	9-1/2	5-5/8	37.93
47/64	532047	.7344	9-3/4	5-7/8	42.16
3/4	532048	.7500	9-3/4	5-7/8	40.18
49/64	532049	.7656	9-7/8	6	44.36
25/32	532050	.7812	9-7/8	6	44.36
51/64	532051	.7969	10	6-1/8	47.64
13/16	532052	.8125	10	6-1/8	46.86
53/64	532053	.8281	10	6-1/8	49.63
27/32	532054	.8438	10	6-1/8	49.50
55/64	532055	.8594	10	6-1/8	52.00
7/8	532056	.8750	10	6-1/8	51.40
57/64	532057	.8906	10	6-1/8	54.20
29/32	532058	.9062	10	6-1/8	54.20
59/64	532059	.9219	10-3/4	6-1/8	59.45
15/16	532060	.9375	10-3/4	6-1/8	59.01
61/64	532061	.9531	11	6-3/8	65.33
31/32	532062	.9688	11	6-3/8	65.33
63/64	532063	.9844	11	6-3/8	68.61
1 inch	532064	1.0000	11	6-3/8	68.12

LETTER SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
A	534901	.2340	6-1/8	3-3/4	9.10
B	534902	.2380	6-1/8	3-3/4	7.91
C	534903	.2420	6-1/8	3-3/4	7.91
D	534904	.2460	6-1/8	3-3/4	7.91
E	534905	.2500	6-1/8	3-3/4	7.91
F	534906	.2570	6-1/4	3-7/8	10.10
G	534907	.2610	6-1/4	3-7/8	10.10
H	534908	.2660	6-1/4	3-7/8	9.74
I	534909	.2720	6-1/4	3-7/8	9.74
J	534910	.2770	6-1/4	3-7/8	9.74
K	534911	.2810	6-1/4	3-7/8	9.74
L	534912	.2900	6-3/8	4	10.70
M	534913	.2950	6-3/8	4	10.70

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
N	534914	.3020	6-3/8	4	10.70
O	534915	.3160	6-1/2	4-1/8	11.07
P	534916	.3230	6-1/2	4-1/8	11.07
Q	534917	.3320	6-1/2	4-1/8	11.07
R	534918	.3390	6-1/2	4-1/8	11.07
S	534919	.3480	6-3/4	4-1/4	12.27
T	534920	.3580	6-3/4	4-1/4	12.27
U	534921	.3680	6-3/4	4-1/4	12.27
V	534922	.3770	7	4-3/8	12.88
W	534923	.3860	7	4-3/8	13.09
X	534924	.3970	7	4-3/8	13.09
Y	534925	.4040	7	4-3/8	13.09
Z	534926	.4130	7-1/4	4-5/8	13.37

TAPER LENGTH REGULAR SPIRAL DRILLS

Used in general purpose drilling application,
where extra length is needed. 118 deg.
standard drill point. Drills are not tapered.

Package Qty.
#1 - #80 12 pcs. per pack Bright



WIRE GAUGE SIZES

PROUDLY MADE IN THE U.S.A.



Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1	533801	.2280	6-1/8	3-3/4	7.71
2	533802	.2210	6-1/8	3-3/4	7.71
3	533803	.2130	6	3-5/8	7.19
4	533804	.2090	6	3-5/8	7.19
5	533805	.2055	6	3-5/8	7.19
6	533806	.2040	6	3-5/8	7.19
7	533807	.2010	6	3-5/8	7.19
8	533808	.1990	6	3-5/8	7.19
9	533809	.1960	6	3-5/8	7.19
10	533810	.1935	6	3-5/8	7.19
11	533811	.1910	6	3-5/8	7.19
12	533812	.1890	6	3-5/8	7.19
13	533813	.1850	5-3/4	3-3/8	6.21
14	533814	.1820	5-3/4	3-3/8	6.21
15	533815	.1800	5-3/4	3-3/8	6.21
16	533816	.1770	5-3/4	3-3/8	6.21
17	533817	.1730	5-3/4	3-3/8	6.21
18	533818	.1695	5-3/4	3-3/8	6.21
19	533819	.1660	5-3/4	3-3/8	6.21
20	533820	.1610	5-3/4	3-3/8	6.21
21	533821	.1590	5-3/4	3-3/8	6.21
22	533822	.1570	5-3/4	3-3/8	6.21
23	533823	.1540	5-3/8	3	6.21
24	533824	.1520	5-3/8	3	6.21
25	533825	.1495	5-3/8	3	6.21
26	533826	.1470	5-3/8	3	6.21
27	533827	.1440	5-3/8	3	6.21
28	533828	.1405	5-3/8	3	6.21
29	533829	.1360	5-3/8	3	6.21
30	533830	.1285	5-3/8	3	6.21
31	533831	.1200	5-1/8	2-3/4	7.48
32	533832	.1160	5-1/8	2-3/4	7.48
33	533833	.1130	5-1/8	2-3/4	7.48
34	533834	.1110	5-1/8	2-3/4	7.48
35	533835	.1100	5-1/8	2-3/4	7.48
36	533836	.1065	4-5/8	2-1/2	6.07
37	533837	.1040	4-5/8	2-1/2	6.07
38	533838	.1015	4-5/8	2-1/2	6.07
39	533839	.0995	4-5/8	2-1/2	5.30
40	533840	.0980	4-5/8	2-1/2	5.30

Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
41	533841	.0960	4-5/8	2-1/2	5.30
42	533842	.0935	4-1/4	2-1/4	4.73
43	533843	.0890	4-1/4	2-1/4	4.73
44	533844	.0860	4-1/4	2-1/4	4.73
45	533845	.0820	4-1/4	2-1/4	4.73
46	533846	.0810	4-1/4	2-1/4	4.73
47	533847	.0785	4-1/4	2-1/4	4.73
48	533848	.0760	3-3/4	2	3.58
49	533849	.0730	3-3/4	2	3.58
50	533850	.0700	3-3/4	2	3.58
51	533851	.0670	3-3/4	2	3.58
52	533852	.0635	3-3/4	2	3.58
53	533853	.0595	3	1-3/4	3.58
54	533854	.0550	3	1-3/4	3.58
55	533855	.0520	3	1-3/4	3.58
56	533856	.0465	2-1/4	1-1/8	3.58
57	533857	.0430	2-1/4	1-1/8	3.58
58	533858	.0420	2-1/4	1-1/8	3.58
59	533859	.0410	2-1/4	1-1/8	3.58
60	533860	.0400	2-1/4	1-1/8	3.58
61	533861	.0390	3	1-3/4	4.13
62	533862	.0380	3	1-3/4	4.13
63	533863	.0370	3	1-3/4	4.13
64	533864	.0360	3	1-3/4	4.13
65	533865	.0350	3	1-3/4	4.13
66	533866	.0330	3	1-5/8	4.13
67	533867	.0320	3	1-5/8	4.13
68	533868	.0310	2-7/8	1-1/4	4.13
69	533869	.0292	2-3/4	1	4.13
70	533870	.0280	2-5/8	3/4	4.13
71	533871	.0260	2-5/8	3/4	4.13
72	533872	.0250	2-1/2	5/8	4.13
73	533873	.0240	2-3/8	5/8	4.90
74	533874	.0225	2-1/4	1/2	4.90
75	533875	.0210	2-1/8	1/2	4.90
76	533876	.0200	2	3/8	4.90
77	533877	.0180	1-7/8	3/8	4.90
78	533878	.0160	1-3/4	3/8	4.90
79	533879	.0145	1-1/2	3/8	4.90
80	533880	.0135	1-1/2	3/8	4.90

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TAPER LENGTH FAST SPIRAL DRILLS

Manufactured for drilling deep holes in low tensile materials. The high helix and wide flute help chip removal. 118 deg. standard drill point.



Package Qty.

1/64" - 19/64"	12 pcs. per pack	Bright
5/16" - 1/2"	6 pcs. per pack	Bright
A - N	12 pcs. per pack	Bright
O - Z	6 pcs. per pack	Bright



FRACTIONAL SIZES

PROUDLY MADE IN THE U.S.A.



Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1/64	403001	.0156	1-3/4	3/8	5.33
1/32	403002	.0313	2-7/8	1-1/2	5.05
3/64	403003	.0469	2-1/4	1-1/8	3.90
1/16	403004	.0625	3	1-3/4	3.43
5/64	403005	.0781	3-3/4	2	3.44
3/32	403006	.0938	4-1/4	2-1/4	4.35
7/64	403007	.1094	4-5/8	2-1/2	6.03
1/8	403008	.1250	5-1/8	2-3/4	8.17
9/64	403009	.1406	5-3/8	3	8.79
5/32	403010	.1562	5-3/8	3	8.79
11/64	403011	.1719	5-3/4	3-3/8	9.93
3/16	403012	.1875	5-3/4	3-3/8	9.93
13/64	403013	.2031	6	3-5/8	10.77
7/32	403014	.2188	6	3-5/8	10.77
15/64	403015	.2344	6-1/8	3-3/4	11.68
1/4	403016	.2500	6-1/8	3-3/4	11.68

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
17/64	403017	.2656	6-1/4	3-7/8	12.19
9/32	403018	.2812	6-1/4	3-7/8	12.19
19/64	403019	.2969	6-3/8	4	12.57
5/16	403020	.3125	6-3/8	4	12.57
21/64	403021	.3281	6-1/2	4-1/8	13.82
11/32	403022	.3438	6-1/2	4-1/8	13.82
23/64	403023	.3594	6-3/4	4-1/4	15.30
3/8	403024	.3750	6-3/4	4-1/4	15.30
25/64	403025	.3906	7	4-3/8	16.85
13/32	403026	.4062	7	4-3/8	16.85
27/64	403027	.4219	7-1/4	4-5/8	19.47
7/16	403028	.4375	7-1/4	4-5/8	19.47
29/64	403029	.4531	7-1/2	4-3/4	22.12
15/32	403030	.4688	7-1/2	4-3/4	22.12
31/64	403031	.4844	7-3/4	4-3/4	23.80
1/2	403032	.5000	7-3/4	4-3/4	23.80

LETTER SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
A	405901	.2340	6-1/8	3-3/4	16.12
B	405902	.2380	6-1/8	3-3/4	16.12
C	405903	.2420	6-1/8	3-3/4	16.12
D	405904	.2460	6-1/8	3-3/4	16.12
E	405905	.2500	6-1/8	3-3/4	16.12
F	405906	.2570	6-1/4	3-7/8	16.69
G	405907	.2610	6-1/4	3-7/8	16.69
H	405908	.2660	6-1/4	3-7/8	16.69
I	405909	.2720	6-1/4	3-7/8	16.69
J	405910	.2770	6-1/4	3-7/8	16.69
K	405911	.2810	6-1/4	3-7/8	16.69
L	405912	.2900	6-3/8	4	18.02
M	405913	.2950	6-3/8	4	18.02

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
N	405914	.3020	6-3/8	4	19.19
O	405915	.3160	6-1/2	4-1/8	19.19
P	405916	.3230	6-1/2	4-1/8	19.19
Q	405917	.3320	6-1/2	4-1/8	19.19
R	405918	.3390	6-1/2	4-1/8	19.19
S	405919	.3480	6-3/4	4-1/4	20.93
T	405920	.3580	6-3/4	4-1/4	20.93
U	405921	.3680	6-3/4	4-1/4	20.93
V	405922	.3770	7	4-3/8	22.63
W	405923	.3860	7	4-3/8	22.63
X	405924	.3970	7	4-3/8	22.63
Y	405925	.4040	7	4-3/8	22.63
Z	405926	.4130	7-1/4	4-5/8	22.63

TAPER LENGTH FAST SPIRAL DRILLS

Manufactured for drilling deep holes
in low tensile materials. The high
helix and wide flute help chip removal.
118 deg. standard drill point.



Package Qty.
#1 - #80 12 pcs. per pack Bright



WIRE GAUGE SIZES

PROUDLY MADE IN THE U.S.A.



Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1	404801	.2280	6-1/8	3-3/4	12.02
2	404802	.2210	6-1/8	3-3/4	12.02
3	404803	.2130	6	3-5/8	11.69
4	404804	.2090	6	3-5/8	11.69
5	404805	.2055	6	3-5/8	11.69
6	404806	.2040	6	3-5/8	11.69
7	404807	.2010	6	3-5/8	11.69
8	404808	.1990	6	3-5/8	11.68
9	404809	.1960	6	3-5/8	11.68
10	404810	.1935	6	3-5/8	11.68
11	404811	.1910	6	3-5/8	11.68
12	404812	.1890	6	3-5/8	11.68
13	404813	.1850	5-3/4	3-3/8	11.69
14	404814	.1820	5-3/4	3-3/8	11.69
15	404815	.1800	5-3/4	3-3/8	11.69
16	404816	.1770	5-3/4	3-3/8	11.69
17	404817	.1730	5-3/4	3-3/8	11.69
18	404818	.1695	5-3/4	3-3/8	10.81
19	404819	.1660	5-3/4	3-3/8	10.81
20	404820	.1610	5-3/4	3-3/8	10.81
21	404821	.1590	5-3/4	3-3/8	10.63
22	404822	.1570	5-3/4	3-3/8	10.63
23	404823	.1540	5-3/8	3	10.63
24	404824	.1520	5-3/8	3	10.63
25	404825	.1495	5-3/8	3	10.54
26	404826	.1470	5-3/8	3	10.54
27	404827	.1440	5-3/8	3	10.54
28	404828	.1405	5-3/8	3	10.54
29	404829	.1360	5-3/8	3	10.54
30	404830	.1285	5-3/8	3	10.54
31	404831	.1200	5-1/8	2-3/4	7.50
32	404832	.1160	5-1/8	2-3/4	7.50
33	404833	.1130	5-1/8	2-3/4	7.50
34	404834	.1110	5-1/8	2-3/4	7.50
35	404835	.1100	5-1/8	2-3/4	7.50
36	404836	.1065	4-5/8	2-1/2	6.10
37	404837	.1040	4-5/8	2-1/2	6.10
38	404838	.1015	4-5/8	2-1/2	6.10
39	404839	.0995	4-5/8	2-1/2	5.29
40	404840	.0980	4-5/8	2-1/2	5.29

Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
41	404841	.0960	4-5/8	2-1/2	5.29
42	404842	.0935	4-1/4	2-1/4	4.73
43	404843	.0890	4-1/4	2-1/4	4.73
44	404844	.0860	4-1/4	2-1/4	4.73
45	404845	.0820	4-1/4	2-1/4	4.73
46	404846	.0810	4-1/4	2-1/4	4.73
47	404847	.0785	4-1/4	2-1/4	3.64
48	404848	.0760	3-3/4	2	3.58
49	404849	.0730	3-3/4	2	3.58
50	404850	.0700	3-3/4	2	3.58
51	404851	.0670	3-3/4	2	3.58
52	404852	.0635	3-3/4	2	3.58
53	404853	.0595	3	1-3/4	3.58
54	404854	.0550	3	1-3/4	3.58
55	404855	.0520	3	1-3/4	3.58
56	404856	.0465	2-1/4	1-1/8	3.58
57	404857	.0430	2-1/4	1-1/8	3.58
58	404858	.0420	2-1/4	1-1/8	3.58
59	404859	.0410	2-1/4	1-1/8	3.58
60	404860	.0400	2-1/4	1-1/8	3.58
61	404861	.0390	3	1-3/4	4.13
62	404862	.0380	3	1-3/4	4.13
63	404863	.0370	3	1-3/4	4.13
64	404864	.0360	3	1-3/4	4.13
65	404865	.0350	3	1-3/4	4.13
66	404866	.0330	3	1-5/8	4.13
67	404867	.0320	3	1-5/8	4.13
68	404868	.0310	2-7/8	1-1/4	4.13
69	404869	.0292	2-3/4	1	4.13
70	404870	.0280	2-5/8	3/4	4.13
71	404871	.0260	2-5/8	3/4	4.13
72	404872	.0250	2-1/2	5/8	4.13
73	404873	.0240	2-3/8	5/8	5.05
74	404874	.0225	2-1/4	1/2	5.05
75	404875	.0210	2-1/8	1/2	5.05
76	404876	.0200	2	3/8	5.05
77	404877	.0180	1-7/8	3/8	5.05
78	404878	.0160	1-3/4	3/8	5.05
79	404879	.0145	1-1/2	3/8	5.05
80	404880	.0135	1-1/2	3/8	5.05

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OHIO TAPER LENGTH DRILLS

Slightly longer than standard taper length drills. 118 deg. Standard drill point.

Package Qty.

3/64" - #60

12 pcs. per pack

Bright

FRACTIONAL AND WIRE SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
3/64	406003	.0469	3-3/8	1-7/8	3.74
1/16	406004	.0625	3-3/4	1-7/8	3.74
53	406853	.0595	3-1/2	1-7/8	3.74
54	406854	.0550	3-1/2	1-7/8	3.74
55	406855	.0520	3-3/8	1-7/8	3.74
56	406856	.0465	3-1/4	1-7/8	3.74
57	406857	.0430	3-1/4	1-7/8	3.74
58	406858	.0420	3-1/4	1-7/8	3.74
59	406859	.0410	3-1/8	1-7/8	3.74
60	406860	.0400	3-1/8	1-7/8	3.74

LONGBOY DRILLS

12" and 18" oal drills designed for deep hole drilling. 118 deg. standard drill point.

Package Qty.

3/32" - 1/2"

1 pc. per pack

Bright

3/16" - 5/8"

1 pc. per pack

Bright

12" LONGBOY SERIES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
3/32	561006	.0937	12	6	21.88
1/8	561008	.1250	12	9	16.73
9/64	561009	.1406	12	9	18.16
5/32	561010	.1562	12	9	18.16
11/64	561011	.1719	12	9	18.92
3/16	561012	.1875	12	9	18.92
13/64	561013	.2031	12	9	22.12
7/32	561014	.2187	12	9	22.12
15/64	561015	.2344	12	9	22.12
1/4	561016	.2500	12	9	22.12
17/64	561017	.2656	12	9	22.12
9/32	561018	.2812	12	9	22.12
19/64	561019	.2969	12	9	22.76
5/16	561020	.3125	12	9	22.76
21/64	561021	.3281	12	9	23.73
11/32	561022	.3438	12	9	23.73
23/64	561023	.3594	12	9	24.35
3/8	561024	.3750	12	9	24.35
25/64	561025	.3906	12	9	27.35
13/32	561026	.4062	12	9	27.35
27/64	561027	.4219	12	9	28.95
7/16	561028	.4375	12	9	28.95
29/64	561029	.4531	12	9	31.83
15/32	561030	.4687	12	9	31.83
31/64	561031	.4844	12	9	32.46
1/2	561032	.5000	12	9	32.46

18" LONGBOY SERIES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
3/16	261012	.1875	18	10	38.47
1/4	261016	.2500	18	12	38.53
5/16	261020	.3125	18	12	40.67
3/8	261024	.3750	18	13-1/2	43.61
7/16	261028	.4375	18	13-1/2	50.94
1/2	261032	.5000	18	13-1/2	60.73
9/16	261036	.5625	18	14	71.96
5/8	261040	.6250	18	14	78.16



VENT DRILLS



Ohio Drill & Tool Company is a major manufacturer of Vent Drills.

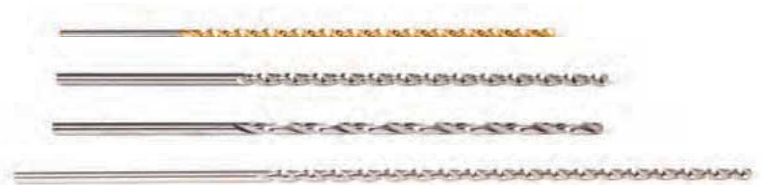
Vent Drills listed are manufactured and stocked by Ohio Drill & Tool Company for the tire-making industry.

Vent Drills are normally FAST SPIRAL, designed to drill aluminum tire molds.

Our Vent Drills are manufactured using top quality M-2 High Speed Steel in many overall lengths and flute combinations per customer requirements.

We also manufacture Vent Drills in REGULAR SPIRAL and PARABOLIC FLUTE for drilling steel molds.

All Vent Drills Are Priced Upon Request



WIRE GAUGE SIZES

Size	Part Number	Decimal Equivalent	Overall & Flute Length
#40	S802840H	.098	4" x 3"
#40	S502840F	.098	6" x 4"
#45	S502845A	.082	4" x 3"
#45	S502845FA	.082	6" x 4"
#54	435546	.0550	6" X 4"
#55	435554	.0520	4" X 3"
#55	435556	.0520	6" X 4"
#57	435572	.0430	3" X 2"
#57	435573	.0430	3-1/2" X 2-1/2"
#57	435574	.0430	4" X 3"
#57	435575	.0430	4-1/2" X 3"
#57	435576	.0430	6" X 3"
#60	435603	.0400	3" X 2"
#69	435692	.0292	2" X 1"
#69	435693	.0292	3" X 2"
#70	435702	.0280	2" X 1"
#72	S502872D	.0250	2" X 1"
#74	435744	.0225	2" X 1"
#74	435746	.0225	3" X 1"
#75	S502875A	.0210	2" x 1"
#76	S502876G	.0200	2" x 1"
#77	S502877D	.0180	2" x 1"

FRACTIONAL SIZES

Size	Part Number	Decimal Equivalent	Overall & Flute Length
1/32	434022	.0312	2" X 1"
1/32	434023	.0312	3" X 2"
3/64	434033	.0469	3" X 2"
3/64	S501003D	.0469	6" X 4"
1/16	434042	.0625	3" X 2"
1/16	434044	.0625	4" X 3"
1/16	434045	.0625	4-1/2" X 3"
1/16	434046	.0625	6" X 4"
1/16	434048	.0625	8" X 4"
3/32	434062	.0938	4-1/2" X 3"
3/32	434064	.0938	6" X 4"
3/32	434068	.0938	8" X 4"
3/32	434069	.0938	8" X 6"
1/8	S501008D	.125	6" x 4"
1/8	S501008H	.125	8" x 6"

METRIC SIZES

Size	Part Number	Decimal Equivalent	Overall & Flute Length
.55	S504021J	.0217	38mm X 19mm
.60	435744	.0230	50mm X 25mm
.70	S504027B	.0276	70mm X 35mm
.80	S504031G	.0315	50mm X 25mm
.80	S504031C	.0315	75mm X 50mm
1.00	S504039W	.0394	75mm X 50mm
1.20	S504047X	.0472	75mm X 50mm
1.60	S504062V	.0630	100mm X 75mm
1.60	S504062W	.0630	150mm X 100mm
1.60	S504062Z	.0630	200mm X 100mm
2.00	S501005H	.0787	100MM X 75MM
2.00	S504078B	.0787	150mm X 100mm
2.50	S502840H	.0984	100mm X 75mm
2.50	S502840F	.0984	150MM X 100MM

PROUDLY MADE IN THE U.S.A.



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AIRCRAFT EXTENSION DRILLS 6" OAL

Aircraft extension drills are designed to drill in tough to reach places. They come in 6" and 12" overalls. Sizes 1/16" and larger have a 135 deg. split point.

Package Qty.

1/64" - 7/64"	12 pcs. per pack	Bright
1/8" - 1/4"	12 pcs. per pack	Black
A - F	12 pcs. per pack	Black



FRACTIONAL SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1/64	535001	.0156	6	3/16	16.07
1/32	535002	.0313	6	1/2	10.35
3/64	535003	.0469	6	3/4	6.72
1/16	535004	.0625	6	7/8	3.74
5/64	535005	.0781	6	1	3.74
3/32	535006	.0938	6	1-1/4	3.35
7/64	535007	.1094	6	1-1/2	3.35
1/8	535008	.1250	6	1-5/8	3.35
9/64	535009	.1406	6	1-3/4	3.36
5/32	535010	.1563	6	2	3.36
11/64	535011	.1719	6	2-1/8	3.69
3/16	535012	.1875	6	2-5/16	3.69
13/64	535013	.2031	6	2-7/16	4.47
7/32	535014	.2188	6	2-1/2	4.47
15/64	535015	.2344	6	2-5/8	4.87
1/4	535016	.2500	6	2-3/4	4.87

LETTER SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
A	537901	.2340	6	2-5/8	6.72
B	537902	.2380	6	2-3/4	6.72
C	537903	.2420	6	2-3/4	6.72
D	537904	.2460	6	2-3/4	6.72
E	537905	.2500	6	2-3/4	6.72
F	537906	.2570	6	2-7/8	7.44

PROUDLY MADE IN THE U.S.A.



AIRCRAFT EXTENSION DRILLS 6" OAL

Aircraft extension drills are designed to drill in tough to reach places. They come in 6" and 12" overalls. Sizes 1/16" and larger have a 135 deg. split point.



Package Qty.

#1 - #30 12 pcs. per pack
#31 - #80 12 pcs. per pack



WIRE GAUGE SIZES

PROUDLY MADE IN THE U.S.A.



Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1	536801	.2280	6	2-5/8	5.15
2	536802	.2210	6	2-5/8	5.15
3	536803	.2130	6	2-1/2	4.59
4	536804	.2090	6	2-1/2	4.59
5	536805	.2055	6	2-1/2	4.59
6	536806	.2040	6	2-1/2	4.59
7	536807	.2010	6	2-7/16	4.59
8	536808	.1990	6	2-7/16	4.59
9	536809	.1960	6	2-7/16	4.46
10	536810	.1935	6	2-7/16	4.15
11	536811	.1910	6	2-5/16	3.85
12	536812	.1890	6	2-5/16	3.85
13	536813	.1850	6	2-5/16	3.85
14	536814	.1820	6	2-3/16	3.85
15	536815	.1800	6	2-3/16	3.85
16	536816	.1770	6	2-3/16	3.85
17	536817	.1730	6	2-3/16	3.85
18	536818	.1695	6	2-1/8	3.85
19	536819	.1660	6	2-1/8	3.85
20	536820	.1610	6	2-1/8	3.49
21	536821	.1590	6	2-1/8	3.49
22	536822	.1570	6	2	3.49
23	536823	.1540	6	2	3.49
24	536824	.1520	6	2	3.49
25	536825	.1495	6	1-7/8	3.49
26	536826	.1470	6	1-7/8	3.49
27	536827	.1440	6	1-7/8	3.49
28	536828	.1405	6	1-3/4	3.49
29	536829	.1360	6	1-3/4	3.49
30	536830	.1285	6	1-5/8	3.10
31	536831	.1200	6	1-5/8	3.10
32	536832	.1160	6	1-5/8	3.10
33	536833	.1130	6	1-1/2	3.10
34	536834	.1110	6	1-1/2	3.10
35	536835	.1100	6	1-1/2	3.10
36	536836	.1065	6	1-7/16	3.10
37	536837	.1040	6	1-7/16	3.10
38	536838	.1015	6	1-7/16	3.10
39	536839	.0995	6	1-3/8	3.10
40	536840	.0980	6	1-3/8	3.10

Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
41	536841	.0960	6	1-3/8	3.10
42	536842	.0935	6	1-1/4	3.10
43	536843	.0890	6	1-1/4	3.74
44	536844	.0860	6	1-1/8	3.74
45	536845	.0820	6	1-1/8	3.74
46	536846	.0810	6	1-1/8	3.74
47	536847	.0785	6	1	3.74
48	536848	.0760	6	1	3.74
49	536849	.0730	6	1	3.74
50	536850	.0700	6	1	3.74
51	536851	.0670	6	1	3.74
52	536852	.0635	6	7/8	3.74
53	536853	.0595	6	7/8	6.72
54	536854	.0550	6	7/8	6.72
55	536855	.0520	6	7/8	6.72
56	536856	.0465	6	3/4	6.72
57	536857	.0430	6	3/4	8.35
58	536858	.0420	6	11/16	8.35
59	536859	.0410	6	11/16	8.35
60	536860	.0400	6	11/16	8.35
61	536861	.0390	6	11/16	10.35
62	536862	.0380	6	5/8	10.35
63	536863	.0370	6	5/8	10.35
64	536864	.0360	6	5/8	10.35
65	536865	.0350	6	5/8	10.35
66	536866	.0330	6	1/2	10.35
67	536867	.0320	6	1/2	10.35
68	536868	.0310	6	1/2	10.35
69	536869	.0292	6	1/2	11.40
70	536870	.0280	6	3/8	11.40
71	536871	.0260	6	3/8	11.40
72	536872	.0250	6	5/16	14.06
73	536873	.0240	6	5/16	14.06
74	536874	.0225	6	1/4	14.06
75	536875	.0210	6	1/4	14.06
76	536876	.0200	6	3/16	15.02
77	536877	.0180	6	3/16	15.02
78	536878	.0160	6	3/16	16.07
79	536879	.0145	6	3/16	16.07
80	536880	.0135	6	3/16	16.07

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AIRCRAFT EXTENSION DRILLS 12" OAL

Aircraft extension drills are designed to drill in tough to reach places. They come in 6" and 12" overalls. Sizes 1/16" and larger have a 135 deg. split point.



Package Qty.

1/16" - 19/64"	12 pcs. per pack
5/16" - 1/2"	6 pcs. per pack
A - N	12 pcs. per pack
O - Z	6 pcs. per pack



FRACTIONAL SIZES

PROUDLY MADE IN THE U.S.A.



Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1/16	538004	.0625	12	7/8	11.72
5/64	538005	.0781	12	1	11.72
3/32	538006	.0938	12	1-1/4	11.72
7/64	538007	.1094	12	1-1/2	9.20
1/8	538008	.1250	12	1-5/8	9.20
9/64	538009	.1406	12	1-3/4	9.20
5/32	538010	.1563	12	2	9.20
11/64	538011	.1719	12	2-1/8	10.20
3/16	538012	.1875	12	2-5/16	10.20
13/64	538013	.2031	12	2-7/16	11.72
7/32	538014	.2188	12	2-1/2	11.72
15/64	538015	.2344	12	2-5/8	12.60
1/4	538016	.2500	12	2-3/4	12.60
17/64	538017	.2656	12	2-7/8	14.98
9/32	538018	.2813	12	2-15/16	15.83

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
19/64	538019	.2969	12	3-1/16	17.95
5/16	538020	.3125	12	3-3/16	20.17
21/64	538021	.3281	12	3-5/16	21.12
11/32	538022	.3438	12	3-7/16	21.76
23/64	538023	.3594	12	3-1/2	23.44
3/8	538024	.3750	12	3-5/8	24.78
25/64	538025	.3906	12	3-3/4	26.14
13/32	538026	.4062	12	3-7/8	26.14
27/64	538027	.4219	12	3-15/16	28.08
7/16	538028	.4375	12	4-1/16	29.39
29/64	538029	.4531	12	4-3/16	31.13
15/32	538030	.4688	12	4-5/16	33.44
31/64	538031	.4844	12	4-3/8	33.44
1/2	538032	.5000	12	4-1/2	35.30

LETTER SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
A	540901	.2340	12	2-5/8	16.02
B	540902	.2380	12	2-3/4	16.02
C	540903	.2420	12	2-3/4	16.02
D	540904	.2460	12	2-3/4	16.02
E	540905	.2500	12	2-3/4	16.02
F	540906	.2570	12	2-7/8	19.00
G	540907	.2610	12	2-7/8	19.00
H	540908	.2660	12	2-7/8	19.00
I	540909	.2720	12	2-7/8	19.00
J	540910	.2770	12	2-7/8	19.00
K	540911	.2810	12	2-15/16	19.00
L	540912	.2900	12	2-15/16	20.15
M	540913	.2950	12	3-1/16	20.15

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
N	540914	.3020	12	3-1/16	21.93
O	540915	.3160	12	3-1/16	23.50
P	540916	.3230	12	3-5/16	23.50
Q	540917	.3320	12	3-7/16	24.62
R	540918	.3390	12	3-7/16	25.71
S	540919	.3480	12	3-1/2	26.87
T	540920	.3580	12	3-1/2	26.87
U	540921	.3680	12	3-5/8	26.87
V	540922	.3770	12	3-5/8	28.54
W	540923	.3860	12	3-3/4	28.54
X	540924	.3970	12	3-3/4	30.19
Y	540925	.4040	12	3-7/8	30.19
Z	540926	.4130	12	3-7/8	31.85

AIRCRAFT EXTENSION DRILLS 12" OAL

Aircraft extension drills are designed to drill in tough to reach places. They come in 6" and 12" overalls. Sizes #1 - #54 have a 135 deg. split point and #55 - #60 have a 135 deg. point.



Package Qty.

#1 - #60

12 pcs. per pack



WIRE GAUGE SIZES

PROUDLY MADE IN THE U.S.A.



Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1	539801	.2280	12	2-5/8	13.85
2	539802	.2210	12	2-5/8	13.85
3	539803	.2130	12	2-1/2	12.89
4	539804	.2090	12	2-1/2	12.89
5	539805	.2055	12	2-1/2	12.89
6	539806	.2040	12	2-1/2	12.89
7	539807	.2010	12	2-7/16	12.89
8	539808	.1990	12	2-7/16	12.89
9	539809	.1960	12	2-7/16	11.53
10	539810	.1935	12	2-7/16	11.53
11	539811	.1910	12	2-5/16	11.53
12	539812	.1890	12	2-5/16	11.53
13	539813	.1850	12	2-5/16	11.53
14	539814	.1820	12	2-3/16	11.53
15	539815	.1800	12	2-3/16	11.53
16	539816	.1770	12	2-3/16	11.53
17	539817	.1730	12	2-3/16	11.53
18	539818	.1695	12	2-1/8	11.53
19	539819	.1660	12	2-1/8	11.53
20	539820	.1610	12	2-1/8	10.60
21	539821	.1590	12	2-1/8	10.60
22	539822	.1570	12	2	10.60
23	539823	.1540	12	2	10.60
24	539824	.1520	12	2	10.60
25	539825	.1495	12	1-7/8	10.60
26	539826	.1470	12	1-7/8	10.60
27	539827	.1440	12	1-7/8	10.60
28	539828	.1405	12	1-3/4	10.60
29	539829	.1360	12	1-3/4	10.60
30	539830	.1285	12	1-5/8	10.60

Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
31	539831	.1200	12	1-5/8	10.60
32	539832	.1160	12	1-5/8	10.60
33	539833	.1130	12	1-1/2	10.60
34	539834	.1110	12	1-1/2	10.60
35	539835	.1100	12	1-1/2	10.60
36	539836	.1065	12	1-7/16	10.60
37	539837	.1040	12	1-7/16	10.60
38	539838	.1015	12	1-7/16	10.60
39	539839	.0995	12	1-3/8	10.60
40	539840	.0980	12	1-3/8	10.60
41	539841	.0960	12	1-3/8	10.60
42	539842	.0935	12	1-1/4	10.60
43	539843	.0890	12	1-1/4	13.41
44	539844	.0860	12	1-1/8	13.41
45	539845	.0820	12	1-1/8	13.41
46	539846	.0810	12	1-1/8	13.41
47	539847	.0785	12	1	13.41
48	539848	.0760	12	1	13.41
49	539849	.0730	12	1	13.41
50	539850	.0700	12	1	13.41
51	539851	.0670	12	1	14.19
52	539852	.0635	12	7/8	14.19
53	539853	.0595	12	7/8	14.34
54	539854	.0550	12	7/8	14.34
55	539855	.0520	12	7/8	14.34
56	539856	.0465	12	3/4	
57	539857	.0430	12	3/4	Priced upon inquiry
58	539858	.0420	12	11/16	
59	539859	.0410	12	11/16	
60	539860	.0400	12	11/16	



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HALF ROUND DRILLS - RIGHT & LEFT HAND

Half round drills have become widely used in the screw machine industry. They are designed for quick penetration in brass and other free machining metals. These drills provide greater chip clearance, which is desirable in deep hole drilling. This tool will provide a very smooth finish in many applications. 118 deg. standard drill point.



Package Qty.

1/64" - 19/64"	12 pcs. per pack	Bright
5/16" - 1/2"	6 pcs. per pack	Bright
33/64" - 1"	1 pc. per pack	Bright
A - N	12 pcs. per pack	Bright
O - Z	6 pcs. per pack	Bright

FRACTIONAL SIZES

PROUDLY MADE IN THE U.S.A.



Size	Right Hand #	Left Hand #	Decimal Equiv.	Overall Length	Flute Length	Price Each
1/64	525001	625001	.0156	3/4	3/16	6.75
1/32	525002	625002	.0313	1-3/8	1/2	5.11
3/64	525003	625003	.0469	1-3/4	3/4	5.10
1/16	525004	625004	.0625	1-7/8	7/8	5.21
5/64	525005	625005	.0781	2	1	5.21
3/32	525006	625006	.0938	2-1/4	1-1/4	5.21
7/64	525007	625007	.1094	2-5/8	1-1/2	5.50
1/8	525008	625008	.1250	2-3/4	1-5/8	5.63
9/64	525009	625009	.1406	2-7/8	1-3/4	7.04
5/32	525010	625010	.1563	3-1/8	2	7.17
11/64	525011	625011	.1719	3-1/4	2-1/8	7.63
3/16	525012	625012	.1875	3-1/2	2-5/16	8.42
13/64	525013	625013	.2031	3-5/8	2-7/16	9.54
7/32	525014	625014	.2188	3-3/4	2-1/2	10.38
15/64	525015	625015	.2344	3-7/8	2-5/8	11.27
1/4	525016	625016	.2500	4	2-3/4	16.37
17/64	525017	625017	.2656	4-1/8	2-7/8	18.74
9/32	525018	625018	.2813	4-1/4	2-15/16	21.12
19/64	525019	625019	.2969	4-3/8	3-1/16	23.47
5/16	525020	625020	.3125	4-1/2	3-3/16	25.80
21/64	525021	625021	.3281	4-5/8	3-5/16	28.56
11/32	525022	625022	.3438	4-3/4	3-7/16	31.30
23/64	525023	625023	.3594	4-7/8	3-1/2	34.05
3/8	525024	625024	.3750	5	3-5/8	36.78
25/64	525025	625025	.3906	5-1/8	3-3/4	39.93
13/32	525026	625026	.4063	5-1/4	3-7/8	43.09
27/64	525027	625027	.4219	5-3/8	3-15/16	46.25
7/16	525028	625028	.4375	5-1/2	4-1/16	49.41
29/64	525029	625029	.4531	5-5/8	4-3/16	52.83
15/32	525030	625030	.4688	5-3/4	4-5/16	56.25
31/64	525031	625031	.4844	5-7/8	4-3/8	59.67
1/2	525032	625032	.5000	6	4-1/2	63.07

Size	Right Hand #	Left Hand #	Decimal Equiv.	Overall Length	Flute Length	Price Each
33/64	525033	625033	.5156	6	4	81.96
17/32	525034	625034	.5312	6	4	85.84
35/64	525035	625035	.5469	6	4	92.86
9/16	525036	625036	.5625	6	4	97.23
37/64	525037	625037	.5781	6	4	97.62
19/32	525038	625038	.5938	6	4	100.17
39/64	525039	625039	.6094	6	4	110.00
5/8	525040	625040	.6250	6	4	110.00
41/64	525041	625041	.6406	6	4	117.58
21/32	525042	625042	.6562	6	4	117.58
43/64	525043	625043	.6719	6	4	133.53
11/16	525044	625044	.6875	6	4	133.53
45/64	525045	625045	.7031	6	4	149.86
23/32	525046	625046	.7188	6	4	149.86
47/64	525047	625047	.7344	6	4	161.31
3/4	525048	625048	.7500	6	4	158.45
49/64	525049	625049	.7656	6	4	172.76
25/32	525050	625050	.7812	6	4	172.76
51/64	525051	625051	.7969	6	4	184.67
13/16	525052	625052	.8125	6	4	181.80
53/64	525053	625053	.8281	6	4	192.77
27/32	525054	625054	.8438	6	4	192.77
55/64	525055	625055	.8594	6	4	199.39
7/8	525056	625056	.8750	6	4	199.39
57/64	525057	625057	.8906	6	4	207.03
29/32	525058	625058	.9062	6	4	207.03
59/64	525059	625059	.9219	6	4	228.41
15/16	525060	625060	.9375	6	4	228.41
61/64	525061	625061	.9531	6	4	248.00
31/32	525062	625062	.9688	6	4	248.00
63/64	525063	625063	.9844	6	4	262.81
1 inch	525064	625064	1.0000	6	4	262.81

LETTER SIZES

Size	Right Hand #	Left Hand #	Decimal Equiv.	Overall Length	Flute Length	Price Each
A	527901	627901	.2340	3-7/8	2-5/8	11.27
B	527902	627902	.2380	4	2-3/4	11.27
C	527903	627903	.2420	4	2-3/4	12.11
D	527904	627904	.2460	4	2-3/4	12.11
E	527905	627905	.2500	4	2-3/4	16.37
F	527906	627906	.2570	4-1/8	2-7/8	18.74
G	527907	627907	.2610	4-1/8	2-7/8	18.74
H	527908	627908	.2660	4-1/8	2-7/8	18.74
I	527909	627909	.2720	4-1/8	2-7/8	21.12
J	527910	627910	.2770	4-1/8	2-7/8	21.12
K	527911	627911	.2810	4-1/4	2-15/16	21.12
L	527912	627912	.2900	4-1/4	2-15/16	23.47
M	527913	627913	.2950	4-3/8	3-1/16	23.47

SIZE	Right Hand #	Left Hand #	Decimal Equiv.	Overall Length	Flute Length	Price Each
N	527914	627914	.3020	4-3/8	3-1/16	25.80
O	527915	627915	.3160	4-1/2	3-3/16	25.80
P	527916	627916	.3230	4-5/8	3-5/16	28.56
Q	527917	627917	.3320	4-3/4	3-7/16	28.56
R	527918	627918	.3390	4-3/4	3-7/16	28.56
S	527919	627919	.3480	4-7/8	3-1/2	31.30
T	527920	627920	.3580	4-7/8	3-1/2	31.30
U	527921	627921	.3680	5	3-5/8	36.77
V	527922	627922	.3770	5	3-5/8	36.77
W	527923	627923	.3860	5-1/8	3-3/4	39.93
X	527924	627924	.3970	5-1/8	3-3/4	43.09
Y	527925	627925	.4040	5-1/4	3-7/8	46.25
Z	527926	627926	.4130	5-1/4	3-7/8	46.25

HALF ROUND DRILLS - RIGHT & LEFT HAND

Half round drills have become widely used in the screw machine industry. They are designed for quick penetration in brass and other free machining metals. These drills provide greater chip clearance, which is desirable in deep hole drilling. This tool will provide a very smooth finish in many applications. 118 deg. standard drill point.

Package Qty.

#1 - #80

12 pcs. per pack

Bright



WIRE GAUGE SIZES

PROUDLY MADE IN THE U.S.A.



Wire Size	Right Hand #	Left Hand #	Decimal Equiv.	Overall Length	Flute Length	Price Each
1	526801	626801	.2280	3-7/8	2-5/8	10.38
2	526802	626802	.2210	3-7/8	2-5/8	10.38
3	526803	626803	.2130	3-3/4	2-1/2	9.54
4	526804	626804	.2090	3-3/4	2-1/2	9.54
5	526805	626805	.2055	3-3/4	2-1/2	9.54
6	526806	626806	.2040	3-3/4	2-1/2	9.54
7	526807	626807	.2010	3-5/8	2-7/16	8.42
8	526808	626808	.1990	3-5/8	2-7/16	8.42
9	526809	626809	.1960	3-5/8	2-7/16	8.42
10	526810	626810	.1935	3-5/8	2-7/16	8.42
11	526811	626811	.1910	3-1/2	2-5/16	8.42
12	526812	626812	.1890	3-1/2	2-5/16	8.42
13	526813	626813	.1850	3-1/2	2-5/16	7.63
14	526814	626814	.1820	3-3/8	2-3/16	7.63
15	526815	626815	.1800	3-3/8	2-3/16	7.63
16	526816	626816	.1770	3-3/8	2-3/16	7.63
17	526817	626817	.1730	3-3/8	2-3/16	7.63
18	526818	626818	.1695	3-1/4	2-1/8	7.17
19	526819	626819	.1660	3-1/4	2-1/8	7.17
20	526820	626820	.1610	3-1/4	2-1/8	7.17
21	526821	626821	.1590	3-1/4	2-1/8	7.17
22	526822	626822	.1570	3-1/8	2	7.17
23	526823	626823	.1540	3-1/8	2	7.04
24	526824	626824	.1520	3-1/8	2	7.04
25	526825	626825	.1495	3	1-7/8	7.04
26	526826	626826	.1470	3	1-7/8	7.04
27	526827	626827	.1440	3	1-7/8	7.04
28	526828	626828	.1405	2-7/8	1-3/4	6.38
29	526829	626829	.1360	2-7/8	1-3/4	5.63
30	526830	626830	.1285	2-3/4	1-5/8	5.63
31	526831	626831	.1200	2-3/4	1-5/8	5.50
32	526832	626832	.1160	2-3/4	1-5/8	5.50
33	526833	626833	.1130	2-5/8	1-1/2	5.50
34	526834	626834	.1110	2-5/8	1-1/2	5.50
35	526835	626835	.1100	2-5/8	1-1/2	5.50
36	526836	626836	.1065	2-1/2	1-7/16	5.21
37	526837	626837	.1040	2-1/2	1-7/16	5.21
38	526838	626838	.1015	2-1/2	1-7/16	5.21
39	526839	626839	.0995	2-3/8	1-3/8	5.21
40	526840	626840	.0980	2-3/8	1-3/8	5.21

Wire Size	Right Hand #	Left Hand #	Decimal Equiv.	Overall Length	Flute Length	Price Each
41	526841	626841	.0960	2-3/8	1-3/8	5.21
42	526842	626842	.0935	2-1/4	1-1/4	5.21
43	526843	626843	.0890	2-1/4	1-1/4	5.21
44	526844	626844	.0860	2-1/8	1-1/8	5.21
45	526845	626845	.0820	2-1/8	1-1/8	5.21
46	526846	626846	.0810	2-1/8	1-1/8	5.21
47	526847	626847	.0785	2	1	5.21
48	526848	626848	.0760	2	1	5.21
49	526849	626849	.0730	2	1	5.21
50	526850	626850	.0700	2	1	5.21
51	526851	626851	.0670	2	1	5.21
52	526852	626852	.0635	1-7/8	7/8	5.21
53	526853	626853	.0595	1-7/8	7/8	4.99
54	526854	626854	.0550	1-7/8	7/8	4.99
55	526855	626855	.0520	1-7/8	7/8	4.99
56	526856	626856	.0465	1-3/4	3/4	4.99
57	526857	626857	.0430	1-3/4	3/4	4.99
58	526858	626858	.0420	1-5/8	11/16	4.99
59	526859	626859	.0410	1-5/8	11/16	4.99
60	526860	626860	.0400	1-5/8	11/16	4.99
61	526861	626861	.0390	1-5/8	11/16	5.11
62	526862	626862	.0380	1-1/2	5/8	5.11
63	526863	626863	.0370	1-1/2	5/8	5.11
64	526864	626864	.0360	1-1/2	5/8	5.11
65	526865	626865	.0350	1-1/2	5/8	5.11
66	526866	626866	.0330	1-3/8	1/2	5.11
67	526867	626867	.0320	1-3/8	1/2	5.11
68	526868	626868	.0310	1-3/8	1/2	5.11
69	526869	626869	.0292	1-3/8	1/2	6.75
70	526870	626870	.0280	1-1/4	3/8	6.75
71	526871	626871	.0260	1-1/4	3/8	6.75
72	526872	626872	.0250	1-1/8	5/16	6.75
73	526873	626873	.0240	1-1/8	5/16	6.75
74	526874	626874	.0225	1	1/4	6.75
75	526875	626875	.0210	1	1/4	6.75
76	526876	626876	.0200	7/8	3/16	6.75
77	526877	626877	.0180	7/8	3/16	6.75
78	526878	626878	.0160	7/8	3/16	6.75
79	526879	626879	.0145	3/4	3/16	6.75
80	526880	626880	.0135	3/4	3/16	6.75

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HALF ROUND DRILLS - RIGHT & LEFT HAND

Half round drills have become widely used in the screw machine industry. They are designed for quick penetration in brass and other free machining metals. These drills provide greater chip clearance, which is desirable in deep hole drilling. This tool will provide a very smooth finish in many applications. 118 deg. standard drill point.

Package Qty.

.35mm - 5.80mm

12 pcs. per pack

Bright



METRIC SIZES .35mm - 5.80mm

Metric Size	Right Hand #	Left Hand #	Decimal Equiv.	Overall Length	Flute Length	Price Each
.35	410013	428013	.0138	3/4	3/16	10.20
.40	410015	428015	.0157	3/4	3/16	10.20
.45	410017	428017	.0177	7/8	3/16	10.20
.50	410019	428019	.0197	7/8	3/16	10.20
.55	410021	428021	.0217	1	1/4	10.20
.60	410023	428023	.0236	1-1/8	5/16	10.20
.65	410025	428025	.0256	1-1/4	3/8	10.20
.70	410027	428027	.0276	1-1/4	3/8	10.20
.75	410029	428029	.0295	1-3/8	1/2	8.19
.80	410031	428031	.0315	1-3/8	1/2	8.19
.85	410033	428033	.0335	1-1/2	5/8	8.19
.90	410035	428035	.0354	1-1/2	5/8	8.19
.95	410037	428037	.0374	1-1/2	5/8	8.19
1.00	410039	428039	.0394	1-5/8	11/16	8.04
1.05	410041	428041	.0413	1-5/8	11/16	8.04
1.10	410043	428043	.0433	1-3/4	3/4	8.04
1.15	410045	428045	.0453	1-3/4	3/4	8.04
1.20	410047	428047	.0472	1-3/4	3/4	8.04
1.25	410049	428049	.0492	1-3/4	3/4	8.04
1.30	410051	428051	.0512	1-3/4	3/4	8.04
1.35	410053	428053	.0532	1-7/8	7/8	8.04
1.40	410055	428055	.0551	1-7/8	7/8	8.04
1.45	410057	428057	.0571	1-7/8	7/8	8.04
1.50	410059	428059	.0591	1-7/8	7/8	8.04
1.55	410061	428061	.0610	1-7/8	7/8	8.33
1.60	410063	428063	.0630	1-7/8	7/8	8.33
1.65	410065	428065	.0650	2	1	8.33
1.70	410066	428066	.0669	2	1	8.33
1.75	410068	428068	.0689	2	1	8.33
1.80	410070	428070	.0709	2	1	8.33
1.85	410072	428072	.0728	2	1	8.33
1.90	410074	428074	.0748	2	1	8.33
1.95	410076	428076	.0768	2	1	8.33
2.00	410078	428078	.0787	2-1/8	1-1/8	8.33
2.05	410080	428080	.0807	2-1/8	1-1/8	8.33
2.10	410082	428082	.0827	2-1/8	1-1/8	8.33
2.15	410084	428084	.0846	2-1/8	1-1/8	8.33
2.20	410086	428086	.0866	2-1/4	1-1/4	8.33
2.25	410088	428088	.0886	2-1/4	1-1/4	8.33
2.30	410090	428090	.0906	2-1/4	1-1/4	8.33
2.35	410092	428092	.0925	2-1/4	1-1/4	8.33
2.40	410094	428094	.0945	2-3/8	1-3/8	8.33

Metric Size	Right Hand #	Left Hand #	Decimal Equiv.	Overall Length	Flute Length	Price Each
2.45	410096	428096	.0965	2-3/8	1-3/8	8.33
2.50	410098	428098	.0984	2-3/8	1-3/8	8.33
2.60	410102	428102	.1024	2-1/2	1-7/16	8.33
2.70	410106	428106	.1063	2-1/2	1-7/16	8.33
2.75	410108	428108	.1083	2-1/2	1-7/16	8.64
2.80	410110	428110	.1102	2-5/8	1-1/2	8.64
2.90	410114	428114	.1142	2-3/4	1-5/8	8.64
3.00	410118	428118	.1181	2-3/4	1-5/8	8.64
3.10	410122	428122	.1220	2-3/4	1-5/8	8.79
3.20	410126	428126	.1260	2-3/4	1-5/8	8.79
3.25	410128	428128	.1280	2-3/4	1-5/8	8.79
3.30	410129	428129	.1299	2-7/8	1-3/4	8.79
3.40	410133	428133	.1339	2-7/8	1-3/4	8.79
3.50	410137	428137	.1378	2-7/8	1-3/4	9.96
3.60	410141	428141	.1417	3	1-7/8	10.82
3.70	410145	428145	.1457	3	1-7/8	10.82
3.75	410147	428147	.1476	3	1-7/8	10.82
3.80	410149	428149	.1496	3-1/8	2	10.82
3.90	410153	428153	.1535	3-1/8	2	10.82
4.00	410157	428157	.1575	3-1/4	2-1/8	10.93
4.10	410161	428161	.1614	3-1/4	2-1/8	10.93
4.20	410165	428165	.1654	3-1/4	2-1/8	10.93
4.25	410167	428167	.1673	3-1/4	2-1/8	10.93
4.30	410169	428169	.1693	3-1/4	2-1/8	10.93
4.40	410173	428173	.1732	3-3/8	2-3/16	11.50
4.50	410177	428177	.1772	3-3/8	2-3/16	11.50
4.60	410181	428181	.1811	3-3/8	2-3/16	11.50
4.70	410185	428185	.1850	3-1/2	2-5/16	11.50
4.75	410187	428187	.1870	3-1/2	2-5/16	12.48
4.80	410189	428189	.1890	3-1/2	2-5/16	12.48
4.90	410192	428192	.1929	3-5/8	2-7/16	12.48
5.00	410196	428196	.1969	3-5/8	2-7/16	12.48
5.10	410200	428200	.2008	3-5/8	2-7/16	12.48
5.20	410204	428204	.2047	3-3/4	2-1/2	13.89
5.25	410206	428206	.2067	3-3/4	2-1/2	13.89
5.30	410208	428208	.2087	3-3/4	2-1/2	13.89
5.40	410212	428212	.2126	3-3/4	2-1/2	13.89
5.50	410216	428216	.2165	3-3/4	2-1/2	13.89
5.60	410220	428220	.2205	3-7/8	2-5/8	14.89
5.70	410224	428224	.2244	3-7/8	2-5/8	14.89
5.75	410226	428226	.2264	3-7/8	2-5/8	14.89
5.80	410228	428228	.2284	3-7/8	2-5/8	14.89

PROUDLY MADE IN THE U.S.A.



HALF ROUND DRILLS - RIGHT & LEFT HAND

Half round drills have become widely used in the screw machine industry. They are designed for quick penetration in brass and other free machining metals. These drills provide greater chip clearance, which is desirable in deep hole drilling. This tool will provide a very smooth finish in many applications. 118 deg. standard drill point.

Package Qty.

5.90mm - 7.75mm 12 pcs. Per pack Bright
7.80mm - 12.50mm 6 pcs. per pack Bright

METRIC SIZES 5.90mm - 12.50mm

Metric Size	Right Hand #	Left Hand #	Decimal Equiv.	Overall Length	Flute Length	Price Each
5.90	410232	428232	.2323	3-7/8	2-5/8	15.99
6.00	410236	428236	.2362	4	2-3/4	15.99
6.10	410240	428240	.2402	4	2-3/4	15.99
6.20	410244	428244	.2441	4	2-3/4	15.99
6.25	410246	428246	.2461	4	2-3/4	16.98
6.30	410248	428248	.2480	4	2-3/4	16.98
6.40	410252	428252	.2520	4-1/8	2-7/8	18.38
6.50	410255	428255	.2559	4-1/8	2-7/8	18.38
6.60	410259	428259	.2598	4-1/8	2-7/8	18.38
6.70	410263	428263	.2638	4-1/8	2-7/8	18.38
6.75	410265	428265	.2658	4-1/8	2-7/8	20.75
6.80	410267	428267	.2677	4-1/8	2-7/8	20.75
6.90	410271	428271	.2717	4-1/8	2-7/8	20.75
7.00	410275	428275	.2756	4-1/8	2-7/8	20.75
7.10	410279	428279	.2795	4-1/4	2-15/16	20.75
7.20	410283	428283	.2835	4-1/4	2-15/16	23.14
7.25	410285	428285	.2854	4-1/4	2-15/16	23.14
7.30	410287	428287	.2874	4-1/4	2-15/16	23.14
7.40	410291	428291	.2913	4-3/8	3-1/16	23.14
7.50	410295	428295	.2953	4-3/8	3-1/16	23.14
7.60	410299	428299	.2992	4-3/8	3-1/16	25.51
7.70	410303	428303	.3032	4-1/2	3-1/16	25.51
7.75	410305	428305	.3051	4-1/2	3-3/16	25.51
7.80	410307	428307	.3071	4-1/2	3-3/16	25.51
7.90	410311	428311	.3110	4-1/2	3-3/16	25.51
8.00	410314	428314	.3150	4-1/2	3-3/16	27.86
8.10	410318	428318	.3189	4-5/8	3-5/16	27.86
8.20	410322	428322	.3228	4-5/8	3-5/16	27.86

Metric Size	Right Hand #	Left Hand #	Decimal Equiv.	Overall Length	Flute Length	Price Each
8.25	410324	428324	.3248	4-5/8	3-5/16	27.86
8.30	410326	428326	.3268	4-5/8	3-5/16	27.86
8.40	410330	428330	.3307	4-3/4	3-7/16	30.62
8.50	410334	428334	.3347	4-3/4	3-7/16	30.62
8.60	410338	428338	.3386	4-3/4	3-7/16	30.62
8.70	410342	428342	.3425	4-3/4	3-7/16	30.62
8.75	410344	428344	.3445	4-7/8	3-1/2	33.37
8.80	410346	428346	.3465	4-7/8	3-1/2	33.37
8.90	410350	428350	.3504	4-7/8	3-1/2	33.37
9.00	410354	428354	.3543	4-7/8	3-1/2	33.37
9.10	410358	428358	.3583	4-7/8	3-1/2	33.37
9.20	410362	428362	.3622	5	3-5/8	36.15
9.25	410364	428364	.3642	5	3-5/8	36.15
9.30	410366	428366	.3661	5	3-5/8	36.15
9.40	410370	428370	.3701	5	3-5/8	36.15
9.50	410374	428374	.3740	5	3-5/8	36.15
9.60	410378	428378	.3780	5-1/8	3-3/4	38.89
9.70	410381	428381	.3819	5-1/8	3-3/4	38.89
9.75	410383	428383	.3839	5-1/8	3-3/4	38.89
9.80	410385	428385	.3858	5-1/8	3-3/4	38.89
9.90	410389	428389	.3898	5-1/8	3-3/4	38.89
10.00	410393	428393	.3937	5-1/8	3-3/4	42.06
10.50	410413	428413	.4134	5-3/8	3-15/16	45.25
11.00	410433	428433	.4331	5-1/2	4-1/16	48.42
11.50	410452	428452	.4528	5-5/8	4-3/16	55.02
12.00	410472	428472	.4724	5-7/8	4-3/8	58.46
12.50	410492	428492	.4921	6	4-1/2	61.89



PROUDLY MADE IN THE U.S.A.



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HALF ROUND TAPER LENGTH DRILLS

Half round drills have become widely used in the screw machine industry. They are designed for quick penetration in brass and other free machining metals. These drills provide greater chip clearance, which is desirable in deep hole drilling where extra length is needed. This tool will provide a very smooth finish in many applications. Drills are not tapered. 118 deg. standard drill point.

Package Qty.

1/64" - 19/64"	12 pcs. per pack	Bright
5/16" - 1/2"	6 pcs. per pack	Bright
A - N	12 pcs. per pack	Bright
O - Z	6 pcs. per pack	Bright



FRACTIONAL SIZES

PROUDLY MADE IN THE U.S.A.



Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1/64	425001	.0156	1-3/4	3/8	13.51
1/32	425002	.0312	2-7/8	1-1/2	10.22
3/64	425003	.0469	2-1/4	1-1/8	10.22
1/16	425004	.0625	3	1-3/4	10.39
5/64	425005	.0781	3-3/4	2	10.39
3/32	425006	.0938	4-1/4	2-1/4	10.39
7/64	425007	.1094	4-5/8	2-1/2	11.01
1/8	425008	.1250	5-1/8	2-3/4	11.25
9/64	425009	.1406	5-3/8	3	12.40
5/32	425010	.1563	5-3/8	3	12.65
11/64	425011	.1719	5-3/4	3-3/8	13.44
3/16	425012	.1875	5-3/4	3-3/8	14.85
13/64	425013	.2031	6	3-5/8	16.83
7/32	425014	.2188	6	3-5/8	18.32
15/64	425015	.2344	6-1/8	3-3/4	19.88
1/4	425016	.2500	6-1/8	3-3/4	28.90

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
17/64	425017	.2656	6-1/4	3-7/8	33.08
9/32	425018	.2813	6-1/4	3-7/8	37.25
19/64	425019	.2969	6-3/8	4	41.43
5/16	425020	.3125	6-3/8	4	45.55
21/64	425021	.3281	6-1/2	4-1/8	50.40
11/32	425022	.3438	6-1/2	4-1/8	55.24
23/64	425023	.3594	6-3/4	4-1/4	60.08
3/8	425024	.3750	6-3/4	4-1/4	64.91
25/64	425025	.3906	7	4-3/8	70.49
13/32	425026	.4063	7	4-3/8	76.06
27/64	425027	.4219	7-1/4	4-5/8	81.64
7/16	425028	.4375	7-1/4	4-5/8	87.19
29/64	425029	.4531	7-1/2	4-3/4	93.22
15/32	425030	.4688	7-1/2	4-3/4	99.25
31/64	425031	.4844	7-3/4	4-3/4	105.30
1/2	425032	.5000	7-3/4	4-3/4	111.30

LETTER SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
A	427901	.2340	6-1/8	3-3/4	19.88
B	427902	.2380	6-1/8	3-3/4	19.88
C	427903	.2420	6-1/8	3-3/4	21.37
D	427904	.2460	6-1/8	3-3/4	21.37
E	427905	.2500	6-1/8	3-3/4	28.90
F	427906	.2570	6-1/4	3-7/8	33.08
G	427907	.2610	6-1/4	3-7/8	33.08
H	427908	.2660	6-1/4	3-7/8	33.08
I	427909	.2720	6-1/4	3-7/8	37.25
J	427910	.2770	6-1/4	3-7/8	37.25
K	427911	.2810	6-1/4	3-7/8	37.25
L	427912	.2900	6-3/8	4	41.43
M	427913	.2950	6-3/8	4	41.43

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
N	427914	.3020	6-3/8	4	45.55
O	427915	.3160	6-1/2	4-1/8	45.55
P	427916	.3230	6-1/2	4-1/8	50.40
Q	427917	.3320	6-1/2	4-1/8	50.40
R	427918	.3390	6-1/2	4-1/8	50.40
S	427919	.3480	6-3/4	4-1/4	55.24
T	427920	.3580	6-3/4	4-1/4	55.24
U	427921	.3680	6-3/4	4-1/4	64.91
V	427922	.3770	7	4-3/8	64.91
W	427923	.3860	7	4-3/8	70.49
X	427924	.3970	7	4-3/8	76.06
Y	427925	.4040	7	4-3/8	81.64
Z	427926	.4130	7-1/4	4-5/8	81.64

Left Hand Taper Length Half Round Drills Available Upon Request

HALF ROUND TAPER LENGTH DRILLS

Half round drills have become widely used in the screw machine industry. They are designed for quick penetration in brass and other free machining metals. These drills provide greater chip clearance, which is desirable in deep hole drilling where extra length is needed. This tool will provide a very smooth finish in many applications. Drills are not tapered. 118 deg. standard drill point.

Package Qty.

#1 - #80 12 pcs. per pack Bright



WIRE GAUGE SIZES

PROUDLY MADE IN THE U.S.A.



Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1	426801	.2280	6-1/8	3-3/4	18.32
2	426802	.2210	6-1/8	3-3/4	18.32
3	426803	.2130	6	3-5/8	16.83
4	426804	.2090	6	3-5/8	16.83
5	426805	.2055	6	3-5/8	16.83
6	426806	.2040	6	3-5/8	16.83
7	426807	.2010	6	3-5/8	14.85
8	426808	.1990	6	3-5/8	14.85
9	426809	.1960	6	3-5/8	14.85
10	426810	.1935	6	3-5/8	14.85
11	426811	.1910	6	3-5/8	14.85
12	426812	.1890	6	3-5/8	14.85
13	426813	.1850	5-3/4	3-3/8	13.44
14	426814	.1820	5-3/4	3-3/8	13.44
15	426815	.1800	5-3/4	3-3/8	13.44
16	426816	.1770	5-3/4	3-3/8	13.44
17	426817	.1730	5-3/4	3-3/8	13.44
18	426818	.1695	5-3/4	3-3/8	12.65
19	426819	.1660	5-3/4	3-3/8	12.65
20	426820	.1610	5-3/4	3-3/8	12.65
21	426821	.1590	5-3/4	3-3/8	12.65
22	426822	.1570	5-3/4	3-3/8	12.65
23	426823	.1540	5-3/8	3	12.40
24	426824	.1520	5-3/8	3	12.40
25	426825	.1495	5-3/8	3	12.40
26	426826	.1470	5-3/8	3	12.40
27	426827	.1440	5-3/8	3	12.40
28	426828	.1405	5-3/8	3	11.25
29	426829	.1360	5-3/8	3	11.25
30	426830	.1285	5-3/8	3	11.25
31	426831	.1200	5-1/8	2-3/4	11.01
32	426832	.1160	5-1/8	2-3/4	11.01
33	426833	.1130	5-1/8	2-3/4	11.01
34	426834	.1110	5-1/8	2-3/4	11.01
35	426835	.1100	5-1/8	2-3/4	11.01
36	426836	.1065	4-5/8	2-1/2	10.39
37	426837	.1040	4-5/8	2-1/2	10.39
38	426838	.1015	4-5/8	2-1/2	10.39
39	426839	.0995	4-5/8	2-1/2	10.39
40	426840	.0980	4-5/8	2-1/2	10.39

Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
41	426841	.0960	4-5/8	2-1/2	10.39
42	426842	.0935	4-1/4	2-1/4	10.39
43	426843	.0890	4-1/4	2-1/4	10.39
44	426844	.0860	4-1/4	2-1/4	10.39
45	426845	.0820	4-1/4	2-1/4	10.39
46	426846	.0810	4-1/4	2-1/4	10.39
47	426847	.0785	4-1/4	2-1/4	10.39
48	426848	.0760	3-3/4	2	10.39
49	426849	.0730	3-3/4	2	10.39
50	426850	.0700	3-3/4	2	10.39
51	426851	.0670	3-3/4	2	10.39
52	426852	.0635	3-3/4	2	10.39
53	426853	.0595	3	1-3/4	10.00
54	426854	.0550	3	1-3/4	10.00
55	426855	.0520	3	1-3/4	10.00
56	426856	.0465	2-1/4	1-1/8	10.00
57	426857	.0430	2-1/4	1-1/8	10.00
58	426858	.0420	2-1/4	1-1/8	10.00
59	426859	.0410	2-1/4	1-1/8	10.00
60	426860	.0400	2-1/4	1-1/8	10.00
61	426861	.0390	3	1-3/4	10.22
62	426862	.0380	3	1-3/4	10.22
63	426863	.0370	3	1-3/4	10.22
64	426864	.0360	3	1-3/4	10.22
65	426865	.0350	3	1-3/4	10.22
66	426866	.0330	3	1-5/8	10.22
67	426867	.0320	3	1-5/8	10.22
68	426868	.0310	2-7/8	1-1/4	10.22
69	426869	.0292	2-3/4	1	13.51
70	426870	.0280	2-5/8	3/4	13.51
71	426871	.0260	2-5/8	3/4	13.51
72	426872	.0250	2-1/2	5/8	13.51
73	426873	.0240	2-3/8	5/8	13.51
74	426874	.0225	2-1/4	1/2	13.51
75	426875	.0210	2-1/8	1/2	13.51
76	426876	.0200	2	3/8	13.51
77	426877	.0180	1-7/8	3/8	13.51
78	426878	.0160	1-3/4	3/8	13.51
79	426879	.0145	1-1/2	3/8	13.51
80	426880	.0135	1-1/2	3/8	13.51

Left Hand Half Round Taper Length Drills Available Upon Request

HALF ROUND SCREW MACHINE DRILLS

Half round drills have become widely used in the screw machine industry. They are designed for quick penetration in brass and other free machining metals. These drills provide greater chip clearance and provide a very smooth finish in many applications. 118 deg. standard drill point.

Package Qty.

3/64" - 19/64"	12 pcs. per pack	Bright
5/16" - 1/2"	6 pcs. per pack	Bright
A - N	12 pcs. per pack	Bright
O - Z	6 pcs. per pack	Bright



FRACTIONAL SIZES

PROUDLY MADE IN THE U.S.A.



Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
3/64	325003	.0469	1-3/8	1/2	6.86
1/16	325004	.0625	1-5/8	5/8	7.07
5/64	325005	.0781	1-11/16	11/16	7.07
3/32	325006	.0938	1-3/4	3/4	7.07
7/64	325007	.1094	1-13/16	13/16	7.38
1/8	325008	.1250	1-7/8	7/8	7.48
9/64	325009	.1406	1-15/16	15/16	8.08
5/32	325010	.1563	2-1/16	1	8.20
11/64	325011	.1719	2-1/8	1-1/16	8.59
3/16	325012	.1875	2-3/16	1-1/8	9.31
13/64	325013	.2031	2-1/4	1-3/16	10.30
7/32	325014	.2188	2-3/8	1-1/4	11.04
15/64	325015	.2344	2-7/16	1-5/16	11.84
1/4	325016	.2500	2-1/2	1-3/8	16.21
17/64	325017	.2656	2-5/8	1-7/16	18.31

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
9/32	325018	.2813	2-11/16	1-1/2	20.41
19/64	325019	.2969	2-3/4	1-9/16	22.51
5/16	325020	.3125	2-13/16	1-5/8	24.66
21/64	325021	.3281	2-15/16	1-11/16	27.01
11/32	325022	.3438	3	1-11/16	29.45
23/64	325023	.3594	3-1/16	1-3/4	31.89
3/8	325024	.3750	3-1/8	1-13/16	34.31
25/64	325025	.3906	3-1/4	1-7/8	37.12
13/32	325026	.4063	3-5/16	1-15/16	39.93
27/64	325027	.4219	3-3/8	2	42.73
7/16	325028	.4375	3-7/16	2-1/16	45.52
29/64	325029	.4531	3-9/16	2-1/8	48.55
15/32	325030	.4688	3-5/8	2-1/8	51.58
31/64	325031	.4844	3-11/16	2-3/16	54.61
1/2	325032	.5000	3-3/4	2-1/4	57.63

Larger Half Round Stub Screw Machine Drills Available Upon Request

LETTER SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
A	327901	.2340	2-7/16	1-5/16	10.99
B	327902	.2380	2-1/2	1-3/8	10.99
C	327903	.2420	2-1/2	1-3/8	11.82
D	327904	.2460	2-1/2	1-3/8	11.82
E	327905	.2500	2-1/2	1-3/8	16.21
F	327906	.2570	2-5/8	1-7/16	18.31
G	327907	.2610	2-5/8	1-7/16	18.31
H	327908	.2660	2-11/16	1-1/2	18.31
I	327909	.2720	2-11/16	1-1/2	20.41
J	327910	.2770	2-11/16	1-1/2	20.41
K	327911	.2810	2-11/16	1-1/2	20.41
L	327912	.2900	2-3/4	1-9/16	22.51
M	327913	.2950	2-3/4	1-9/16	22.51

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
N	327914	.3020	2-13/16	1-5/8	24.58
O	327915	.3160	2-15/16	1-11/16	24.58
P	327916	.3230	2-15/16	1-11/16	27.01
Q	327917	.3320	3	1-11/16	27.01
R	327918	.3390	3	1-11/16	27.01
S	327919	.3480	3-1/16	1-3/4	29.45
T	327920	.3580	3-1/16	1-3/4	29.45
U	327921	.3680	3-1/8	1-13/16	34.31
V	327922	.3770	3-1/4	1-7/8	34.31
W	327923	.3860	3-1/4	1-7/8	37.12
X	327924	.3970	3-5/16	1-15/16	39.93
Y	327925	.4040	3-5/16	1-15/16	42.73
Z	327926	.4130	3-3/8	2	42.73

Also Available in Left Hand

HALF ROUND SCREW MACHINE DRILLS

Half round drills have become widely used in the screw machine industry. They are designed for quick penetration in brass and other free machining metals. These drills provide greater chip clearance and provide a very smooth finish in many applications. 118 deg. standard drill point.

Package Qty.

#1 - #60

12 pcs. per pack

Bright



WIRE GAUGE SIZES

PROUDLY MADE IN THE U.S.A.



Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1	326801	.2280	2-7/16	1-5/16	11.04
2	326802	.2210	2-7/16	1-5/16	11.04
3	326803	.2130	2-3/8	1-1/4	10.30
4	326804	.2090	2-3/8	1-1/4	10.30
5	326805	.2055	2-3/8	1-1/4	10.30
6	326806	.2040	2-3/8	1-1/4	10.30
7	326807	.2010	2-1/4	1-3/16	9.31
8	326808	.1990	2-1/4	1-3/16	9.31
9	326809	.1960	2-1/4	1-3/16	9.31
10	326810	.1935	2-1/4	1-3/16	9.31
11	326811	.1910	2-1/4	1-3/16	9.31
12	326812	.1890	2-1/4	1-3/16	9.31
13	326813	.1850	2-3/16	1-1/8	8.59
14	326814	.1820	2-3/16	1-1/8	8.59
15	326815	.1800	2-3/16	1-1/8	8.59
16	326816	.1770	2-3/16	1-1/8	8.59
17	326817	.1730	2-3/16	1-1/8	8.59
18	326818	.1695	2-1/8	1-1/16	8.20
19	326819	.1660	2-1/8	1-1/16	8.20
20	326820	.1610	2-1/8	1-1/16	8.20
21	326821	.1590	2-1/8	1-1/16	8.20
22	326822	.1570	2-1/8	1-1/16	8.20
23	326823	.1540	2-1/16	1	8.08
24	326824	.1520	2-1/16	1	8.08
25	326825	.1495	2-1/16	1	8.08
26	326826	.1470	2-1/16	1	8.08
27	326827	.1440	2-1/16	1	8.08
28	326828	.1405	1-15/16	15/16	7.48
29	326829	.1360	1-15/16	15/16	7.48
30	326830	.1285	1-15/16	15/16	7.48

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
31	326831	.1200	1-7/8	7/8	7.38
32	326832	.1160	1-7/8	7/8	7.38
33	326833	.1130	1-7/8	7/8	7.38
34	326834	.1110	1-7/8	7/8	7.38
35	326835	.1100	1-7/8	7/8	7.38
36	326836	.1065	1-13/16	13/16	7.07
37	326837	.1040	1-13/16	13/16	7.07
38	326838	.1015	1-13/16	13/16	7.07
39	326839	.0995	1-13/16	13/16	7.07
40	326840	.0980	1-13/16	13/16	7.07
41	326841	.0960	1-13/16	13/16	7.07
42	326842	.0935	1-3/4	3/4	7.07
43	326843	.0890	1-3/4	3/4	7.07
44	326844	.0860	1-3/4	3/4	7.07
45	326845	.0820	1-3/4	3/4	7.07
46	326846	.0810	1-3/4	3/4	7.07
47	326847	.0785	1-11/16	11/16	7.07
48	326848	.0760	1-11/16	11/16	7.07
49	326849	.0730	1-11/16	11/16	7.07
50	326850	.0700	1-11/16	11/16	7.07
51	326851	.0670	1-11/16	11/16	7.07
52	326852	.0635	1-11/16	11/16	7.07
53	326853	.0595	1-5/8	5/8	6.86
54	326854	.0550	1-5/8	5/8	6.86
55	326855	.0520	1-5/8	5/8	6.86
56	326856	.0465	1-3/8	1/2	6.86
57	326857	.0430	1-3/8	1/2	6.86
58	326858	.0420	1-3/8	1/2	6.86
59	326859	.0410	1-3/8	1/2	6.86
60	326860	.0400	1-3/8	1/2	6.86

Also Available in Left Hand

Email: joe@ohiodrill.com

dave@ohiodrill.com

ross@ohiodrill.com

STRAIGHT FLUTE DRILLS

This type of tool is designed for use in brass and non-ferrous materials. They produce short chips in most drilling applications. There is no pull-in with this type of drill, which is desirable in low tensile metals. 118 deg. standard drill point.

Package Qty.

1/32" - 19/64"	12 pcs. per pack	Bright
5/16" - 1/2"	6 pcs. per pack	Bright
A - N	12 pcs. per pack	Bright
O - Z	6 pcs. per pack	Bright



FRACTIONAL SIZES

PROUDLY MADE IN THE U.S.A.



Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1/32	541002	.0313	1-3/8	1/2	12.13
3/64	541003	.0469	1-3/4	3/4	12.13
1/16	541004	.0625	1-7/8	7/8	12.13
5/64	541005	.0781	2	1	12.13
3/32	541006	.0938	2-1/4	1-1/4	12.13
7/64	541007	.1094	2-5/8	1-1/2	12.60
1/8	541008	.1250	2-3/4	1-5/8	12.72
9/64	541009	.1406	2-7/8	1-3/4	13.60
5/32	541010	.1563	3-1/8	2	13.74
11/64	541011	.1719	3-1/4	2-1/8	14.31
3/16	541012	.1875	3-1/2	2-5/16	16.25
13/64	541013	.2031	3-5/8	2-7/16	22.37
7/32	541014	.2188	3-3/4	2-1/2	22.37
15/64	541015	.2344	3-7/8	2-5/8	27.42
1/4	541016	.2500	4	2-3/4	27.42
17/64	541017	.2656	4-1/8	2-7/8	31.81

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
9/32	541018	.2813	4-1/4	2-15/16	31.81
19/64	541019	.2969	4-3/8	3-1/16	37.76
5/16	541020	.3125	4-1/2	3-3/16	37.76
21/64	541021	.3281	4-5/8	3-5/16	44.47
11/32	541022	.3438	4-3/4	3-7/16	44.47
23/64	541023	.3594	4-7/8	3-1/2	45.13
3/8	541024	.3750	5	3-5/8	45.13
25/64	541025	.3906	5-1/8	3-3/4	45.53
13/32	541026	.4063	5-1/4	3-7/8	45.53
27/64	541027	.4219	5-3/8	3-15/16	45.53
7/16	541028	.4375	5-1/2	4-1/16	59.21
29/64	541029	.4531	5-5/8	4-3/16	59.21
15/32	541030	.4688	5-3/4	4-5/16	59.21
31/64	541031	.4844	5-7/8	4-3/8	85.62
1/2	541032	.5000	6	4-1/2	85.62

Straight Flutes OVER 1/2" Available upon Request

LETTER SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
A	743901	.2340	3-7/8	2-5/8	27.42
B	743902	.2380	4	2-3/4	27.42
C	743903	.2420	4	2-3/4	27.42
D	743904	.2460	4	2-3/4	27.42
E	743905	.2500	4	2-3/4	27.42
F	743906	.2570	4-1/8	2-7/8	27.42
G	743907	.2610	4-1/8	2-7/8	31.81
H	743908	.2660	4-1/8	2-7/8	31.81
I	743909	.2720	4-1/8	2-7/8	31.81
J	743910	.2770	4-1/8	2-7/8	31.81
K	743911	.2810	4-1/4	2-15/16	31.81
L	743912	.2900	4-1/4	2-15/16	31.81
M	743913	.2950	4-3/8	3-1/16	37.76

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
N	743914	.3020	4-3/8	3-1/16	37.76
O	743915	.3160	4-1/2	3-3/16	37.76
P	743916	.3230	4-5/8	3-5/16	37.76
Q	743917	.3320	4-3/4	3-7/16	44.47
R	743918	.3390	4-3/4	3-7/16	44.47
S	743919	.3480	4-7/8	3-1/2	44.47
T	743920	.3580	4-7/8	3-1/2	45.13
U	743921	.3680	5	3-5/8	45.13
V	743922	.3770	5	3-5/8	45.13
W	743923	.3860	5-1/8	3-3/4	45.53
X	743924	.3970	5-1/8	3-3/4	45.53
Y	743925	.4040	5-1/4	3-7/8	45.53
Z	743926	.4130	5-1/4	3-7/8	45.53

STRAIGHT FLUTE DRILLS

This type of tool is designed for use in brass and non-ferrous materials. They produce short chips in most drilling applications. There is no pull-in with this type of drill, which is desirable in low tensile metals. 118 deg. standard drill point.

Package Qty.

#1 - #70

12 pcs. per pack

Bright



WIRE GAUGE SIZES

PROUDLY MADE IN THE U.S.A.



Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
1	542801	.2280	3-7/8	2-5/8	22.37
2	542802	.2210	3-7/8	2-5/8	22.37
3	542803	.2130	3-3/4	2-1/2	22.37
4	542804	.2090	3-3/4	2-1/2	22.37
5	542805	.2055	3-3/4	2-1/2	22.37
6	542806	.2040	3-3/4	2-1/2	22.37
7	542807	.2010	3-5/8	2-7/16	22.37
8	542808	.1990	3-5/8	2-7/16	22.37
9	542809	.1960	3-5/8	2-7/16	21.20
10	542810	.1935	3-5/8	2-7/16	21.20
11	542811	.1910	3-1/2	2-5/16	21.19
12	542812	.1890	3-1/2	2-5/16	15.33
13	542813	.1850	3-1/2	2-5/16	14.31
14	542814	.1820	3-3/8	2-3/16	14.31
15	542815	.1800	3-3/8	2-3/16	14.31
16	542816	.1770	3-3/8	2-3/16	14.31
17	542817	.1730	3-3/8	2-3/16	14.31
18	542818	.1695	3-1/4	2-1/8	13.74
19	542819	.1660	3-1/4	2-1/8	13.74
20	542820	.1610	3-1/4	2-1/8	13.74
21	542821	.1590	3-1/4	2-1/8	13.74
22	542822	.1570	3-1/8	2	13.74
23	542823	.1540	3-1/8	2	13.60
24	542824	.1520	3-1/8	2	13.60
25	542825	.1495	3	1-7/8	13.60
26	542826	.1470	3	1-7/8	13.60
27	542827	.1440	3	1-7/8	13.60
28	542828	.1405	2-7/8	1-3/4	12.72
29	542829	.1360	2-7/8	1-3/4	12.72
30	542830	.1285	2-3/4	1-5/8	12.72
31	542831	.1200	2-3/4	1-5/8	12.60
32	542832	.1160	2-3/4	1-5/8	12.60
33	542833	.1130	2-5/8	1-1/2	12.60
34	542834	.1110	2-5/8	1-1/2	12.60
35	542835	.1100	2-5/8	1-1/2	12.60

Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
36	542836	.1065	2-1/2	1-7/16	12.60
37	542837	.1040	2-1/2	1-7/16	12.60
38	542838	.1015	2-1/2	1-7/16	12.60
39	542839	.0995	2-3/8	1-3/8	12.60
40	542840	.0980	2-3/8	1-3/8	12.60
41	542841	.0960	2-3/8	1-3/8	12.60
42	542842	.0935	2-1/4	1-1/4	12.13
43	542843	.0890	2-1/4	1-1/4	12.13
44	542844	.0860	2-1/8	1-1/8	12.13
45	542845	.0820	2-1/8	1-1/8	12.13
46	542846	.0810	2-1/8	1-1/8	12.13
47	542847	.0785	2	1	12.13
48	542848	.0760	2	1	12.13
49	542849	.0730	2	1	12.13
50	542850	.0700	2	1	12.13
51	542851	.0670	2	1	12.13
52	542852	.0635	1-7/8	7/8	12.13
53	542853	.0595	1-7/8	7/8	12.13
54	542854	.0550	1-7/8	7/8	12.13
55	542855	.0520	1-7/8	7/8	12.13
56	542856	.0465	1-3/4	3/4	12.13
57	542857	.0430	1-3/4	3/4	12.13
58	542858	.0420	1-5/8	11/16	12.12
59	542859	.0410	1-5/8	11/16	12.13
60	542860	.0400	1-5/8	11/16	12.13
61	542861	.0390	1-5/8	11/16	12.13
62	542862	.0380	1-1/2	5/8	12.13
63	542863	.0370	1-1/2	5/8	12.13
64	542864	.0360	1-1/2	5/8	12.13
65	542865	.0350	1-1/2	5/8	12.13
66	542866	.0330	1-3/8	1/2	12.13
67	542867	.0320	1-3/8	1/2	12.13
68	542868	.0310	1-3/8	1/2	12.13
69	542869	.0292	1-3/8	1/2	12.13
70	542870	.0280	1-1/4	3/8	12.13

Also Available in Left Hand and Taper Length

Email: joe@ohiodrill.com

dave@ohiodrill.com

ross@ohiodrill.com

SPIRAL MICRO REAMERS

Designed to finish ream a pre-drilled hole to an accurate diameter and provide a smooth finish. 118 deg. standard drill point.

Package Qty.
1/64" - 1/4" 12 pcs. per pack Bright
A - F 12 pcs. per pack Bright



Available While Supplies Last

FRACTIONAL SIZES

Size	Part Number	Decimal Equivalent	Number of Flutes	Overall Length	Flute Length	Price Each
1/64	548001	.0156	3	2	3/8	19.21
1/32	548002	.0313	3	2-1/2	1/2	18.70
3/64	548003	.0469	4	3	3/4	18.70
1/16	548004	.0625	4	3	3/4	18.10
5/64	548005	.0781	4	3	3/4	14.53
3/32	548006	.0938	4	3	3/4	14.53
7/64	548007	.1094	4	3-1/2	7/8	14.53
1/8	548008	.1250	4	3-1/2	7/8	14.53
9/64	548009	.1406	4	4	1	18.10
5/32	548010	.1563	4	4	1	18.10
11/64	548011	.1719	4	4-1/2	1-1/8	18.10
3/16	548012	.1875	4	4-1/2	1-1/8	18.10
13/64	548013	.2031	4	5	1-1/4	20.86
7/32	548014	.2188	4	5	1-1/4	20.86
15/64	548015	.2344	4	6	1-1/2	20.86
1/4	548016	.2500	4	6	1-1/2	20.86

LETTER SIZES

Size	Part Number	Decimal Equivalent	Number of Flutes	Overall Length	Flute Length	Price Each
A	550901	.2340	4	6	1-1/2	20.86
B	550902	.2380	4	6	1-1/2	20.86
C	550903	.2420	4	6	1-1/2	20.86
D	550904	.2460	4	6	1-1/2	20.86
E	550905	.2500	4	6	1-1/2	20.86
F	550906	.2570	4	6	1-1/2	20.86

Left Hand Spiral Micro Reamers Available Upon Request

PROUDLY MADE IN THE U.S.A.



PLASTIC CARVING ROUTERS

Designed for use as a side cutting tool. Works exceptionally well in plastics and in de-burring operations.



Size	Part Number	Decimal Equivalent	Number of Flutes	Overall Length	Flute Length	Price Each
1/16	990804	.0625	3	1-3/4	3/4	6.02
3/32	990806	.0938	3	2	13/16	6.02
1/8	990808	.1250	3	2	13/16	6.02

NO.1 & NO.2 TAPER PIN ROUTERS



Size	Part Number	Decimal Equiv. Shank	Decimal Equiv. Point	Number of Flutes	Overall Length	Flute Length	Price Each
#1	990801	.098	.082	3	2	13/16	11.40
#2	990802	.1285	.110	3	2-1/4	7/8	11.40



PHONE 800-826-5237



FAX 330-525-5432

SPIRAL MICRO REAMERS

Designed to finish ream a pre-drilled hole
to an accurate diameter and provide a
smooth finish. 118 deg. standard drill point.

Package Qty.
#1 - #80 12 pcs. per pack Bright



Available While Supplies Last

WIRE GAUGE SIZES

PROUDLY MADE IN THE U.S.A.



Wire Size	Part Number	Decimal Equivalent	Number of Flutes	Overall Length	Flute Length	Price Each
1	549801	.2280	4	6	1-1/2	20.86
2	549802	.2210	4	6	1-1/2	20.86
3	549803	.2130	4	5	1-1/4	20.86
4	549804	.2090	4	5	1-1/4	20.86
5	549805	.2055	4	5	1-1/4	20.86
6	549806	.2040	4	5	1-1/4	20.86
7	549807	.2010	4	5	1-1/4	20.86
8	549808	.1990	4	5	1-1/4	20.86
9	549809	.1960	4	5	1-1/4	20.86
10	549810	.1935	4	5	1-1/4	20.86
11	549811	.1910	4	5	1-1/4	20.86
12	549812	.1890	4	5	1-1/4	20.86
13	549813	.1850	4	4-1/2	1-1/8	18.10
14	549814	.1820	4	4-1/2	1-1/8	18.10
15	549815	.1800	4	4-1/2	1-1/8	18.10
16	549816	.1770	4	4-1/2	1-1/8	18.10
17	549817	.1730	4	4-1/2	1-1/8	18.10
18	549818	.1695	4	4-1/2	1-1/8	18.10
19	549819	.1660	4	4-1/2	1-1/8	18.10
20	549820	.1610	4	4-1/2	1-1/8	18.10
21	549821	.1590	4	4-1/2	1-1/8	18.10
22	549822	.1570	4	4-1/2	1-1/8	18.10
23	549823	.1540	4	4	1	18.10
24	549824	.1520	4	4	1	18.10
25	549825	.1495	4	4	1	18.10
26	549826	.1470	4	4	1	18.10
27	549827	.1440	4	4	1	18.10
28	549828	.1405	4	4	1	18.10
29	549829	.1360	4	4	1	18.10
30	549830	.1285	4	4	1	18.10
31	549831	.1200	4	3-1/2	7/8	13.78
32	549832	.1160	4	3-1/2	7/8	13.78
33	549833	.1130	4	3-1/2	7/8	13.78
34	549834	.1110	4	3-1/2	7/8	13.78
35	549835	.1100	4	3-1/2	7/8	13.78
36	549836	.1065	4	3-1/2	7/8	14.53
37	549837	.1040	4	3-1/2	7/8	14.53
38	549838	.1015	4	3-1/2	7/8	14.53
39	549839	.0995	4	3-1/2	7/8	14.53
40	549840	.0980	4	3-1/2	7/8	14.53

Wire Size	Part Number	Decimal Equivalent	Number of Flutes	Overall Length	Flute Length	Price Each
41	549841	.0960	4	3-1/2	7/8	14.53
42	549842	.0935	4	3	3/4	14.53
43	549843	.0890	4	3	3/4	14.53
44	549844	.0860	4	3	3/4	14.53
45	549845	.0820	4	3	3/4	14.53
46	549846	.0810	4	3	3/4	14.53
47	549847	.0785	4	3	3/4	14.53
48	549848	.0760	4	3	3/4	14.53
49	549849	.0730	4	3	3/4	14.53
50	549850	.0700	4	3	3/4	14.53
51	549851	.0670	4	3	3/4	14.53
52	549852	.0635	4	3	3/4	14.53
53	549853	.0595	4	3	3/4	18.10
54	549854	.0550	4	3	3/4	18.10
55	549855	.0520	4	3	3/4	18.10
56	549856	.0465	4	3	3/4	18.70
57	549857	.0430	4	3	3/4	18.70
58	549858	.0420	4	3	3/4	18.70
59	549859	.0410	4	3	3/4	18.70
60	549860	.0400	4	3	3/4	18.70
61	549861	.0390	3	2-1/2	1/2	18.70
62	549862	.0380	3	2-1/2	1/2	18.70
63	549863	.0370	3	2-1/2	1/2	18.70
64	549864	.0360	3	2-1/2	1/2	18.70
65	549865	.0350	3	2-1/2	1/2	18.70
66	549866	.0330	3	2-1/2	1/2	18.70
67	549867	.0320	3	2-1/2	1/2	18.70
68	549868	.0310	3	2-1/2	1/2	18.70
69	549869	.0292	3	2-1/2	1/2	18.70
70	549870	.0280	3	2-1/2	1/2	18.70
71	549871	.0260	3	2	3/8	19.21
72	549872	.0250	3	2	3/8	19.21
73	549873	.0240	3	2	3/8	19.21
74	549874	.0225	3	2	3/8	19.21
75	549875	.0210	3	2	3/8	19.21
76	549876	.0200	3	2	3/8	19.21
77	549877	.0180	3	2	3/8	19.21
78	549878	.0160	3	2	3/8	19.21
79	549879	.0145	3	2	3/8	19.21
80	549880	.0135	3	2	3/8	19.21

Left Hand Spiral Micro Reamers Available Upon Request

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SILVER & DEMING HIGH SPEED DRILLS

These drills are general purpose construction. Silver & Deming drills have reduced shank design for use in portable drilling equipment. 118 Deg. standard drill point.



Package Qty.

1 pc. per pack



1/4" Shank Drills

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
17/64	562017	.2656	3-1/2	1-7/8	6.02
9/32	562018	.2813	3-19/32	1-31/32	6.11
19/64	562019	.2969	3-23/32	2-1/16	6.87
5/16	562020	.3125	3-27/32	2-3/16	6.11
21/64	562021	.3281	3-15/16	2-9/32	7.12
11/32	562022	.3438	4-1/32	2-11/32	7.34
23/64	562023	.3594	4-5/32	2-15/32	8.46
3/8	562024	.3750	4-1/4	2-9/16	7.89
25/64	562025	.3906	4-11/32	2-5/8	10.10
13/32	562026	.4063	4-15/32	2-3/4	9.55
27/64	562027	.4219	4-9/16	2-27/32	10.82
7/16	562028	.4375	4-11/16	2-15/16	10.28
29/64	562029	.4531	4-25/32	3-1/32	15.49
15/32	562030	.4688	4-7/8	3-1/8	12.26
31/64	562031	.4844	5	3-7/32	16.09
1/2	562032	.5000	5	3-7/32	12.26

3/8" Shank Drills

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
25/64	661025	.3906	5-1/8	3-3/4	10.81
13/32	661026	.4063	5-1/4	3-7/8	9.96
27/64	661027	.4219	5-3/8	3-15/16	11.52
7/16	661028	.4375	5-1/2	4-1/16	10.63
29/64	661029	.4531	5-5/8	4-3/16	13.69
15/32	661030	.4688	5-3/4	4-5/16	12.66
31/64	661031	.4844	5-7/8	4-3/8	13.81
1/2	661032	.5000	6	4-1/2	12.71
17/32	661034	.5312	6	4-1/4	24.80
9/16	661036	.5625	6	4-1/4	26.27
19/32	661038	.5938	6	4-1/4	28.02
5/8	661040	.6250	6	4-1/4	29.32

1/2" Shank Drills

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
33/64	563033	.5156	6	3	23.90
17/32	563034	.5312	6	3	22.80
35/64	563035	.5469	6	3	25.45
9/16	563036	.5625	6	3	24.25
37/64	563037	.5781	6	3	27.36
19/32	563038	.5938	6	3	26.05
39/64	563039	.6094	6	3	28.63
5/8	563040	.6250	6	3	27.30
41/64	563041	.6406	6	3	30.58
21/32	563042	.6562	6	3	29.14
43/64	563043	.6719	6	3	31.77
11/16	563044	.6875	6	3	30.24
45/64	563045	.7031	6	3	33.67
23/32	563046	.7188	6	3	32.08
47/64	563047	.7344	6	3	35.05
3/4	563048	.7500	6	3	33.38
49/64	563049	.7656	6	3	37.21
25/32	563050	.7812	6	3	35.44
13/16	563052	.8125	6	3	37.21
27/32	563054	.8438	6	3	38.85
7/8	563056	.8750	6	3	40.32
29/32	563058	.9062	6	3	42.13
15/16	563060	.9375	6	3	45.10
31/32	563062	.9688	6	3	47.60
1	563064	1.0000	6	3	52.53
1-1/16	563068	1.0625	6	3	61.61
1-1/8	563072	1.1250	6	3	70.09
1-5/32	563074	1.1563	6	3	76.87
1-3/16	563076	1.1875	6	3	76.87
1-1/4	563080	1.2500	6	3	85.13

PROUDLY MADE IN THE U.S.A.



TAPER SHANK HIGH SPEED DRILLS

General purpose drills designed with a taper shank to fit tapered holders. 118 Deg. standard drill point.

1/8" - 2"

Black



PROUDLY MADE IN THE U.S.A.



Size	Part Number	Decimal Equivalent	Taper Shank	Overall Length	Flute Length	Price Each
1/8	565008	.1250	1	5-1/8	1-7/8	17.84
9/64	565009	.1406	1	5-3/8	2-1/8	18.39
5/32	565010	.1563	1	5-3/8	2-1/8	17.84
11/64	565011	.1719	1	5-3/4	2-1/2	18.39
3/16	565012	.1875	1	5-3/4	2-1/2	12.43
13/64	565013	.2031	1	6	2-3/4	13.66
7/32	565014	.2188	1	6	2-3/4	13.27
15/64	565015	.2344	1	6-1/8	2-7/8	15.63
1/4	565016	.2500	1	6-1/8	2-7/8	13.82
17/64	565017	.2656	1	6-1/4	3	15.09
9/32	565018	.2813	1	6-1/4	3	14.67
19/64	565019	.2969	1	6-3/8	3-1/8	18.69
5/16	565020	.3125	1	6-3/8	3-1/8	14.77
21/64	565021	.3281	1	6-1/2	3-1/4	20.50
11/32	565022	.3438	1	6-1/2	3-1/4	21.67
23/64	565023	.3594	1	6-3/4	3-1/2	23.74
3/8	565024	.3750	1	6-3/4	3-1/2	23.06
25/64	565025	.3906	1	7	3-5/8	24.59
13/32	565026	.4063	1	7	3-5/8	23.06
27/64	565027	.4219	1	7-1/4	3-7/8	26.24
7/16	565028	.4375	1	7-1/4	3-7/8	21.24
29/64	565029	.4531	1	7-1/2	4-1/8	23.32
15/32	565030	.4688	1	7-1/2	4-1/8	24.39
31/64	565031	.4844	2	8-1/4	4-3/8	28.00
1/2	565032	.5000	2	8-1/4	4-3/8	26.47
33/64	565033	.5156	2	8-1/2	4-5/8	30.16
17/32	565034	.5312	2	8-1/2	4-5/8	29.52
35/64	565035	.5469	2	8-3/4	4-7/8	32.93
9/16	565036	.5625	2	8-3/4	4-7/8	32.20
37/64	565037	.5781	2	8-3/4	4-7/8	34.92
19/32	565038	.5938	2	8-3/4	4-7/8	34.34
39/64	565039	.6094	2	8-3/4	4-7/8	36.48
5/8	565040	.6250	2	8-3/4	4-7/8	35.25
41/64	565041	.6406	2	9	5-1/8	40.20
21/32	565042	.6562	2	9	5-1/8	38.91
43/64	565043	.6719	2	9-1/4	5-3/8	43.13
11/16	565044	.6875	2	9-1/4	5-3/8	40.94
45/64	565045	.7031	2	9-1/2	5-5/8	44.96
23/32	565046	.7188	2	9-1/2	5-5/8	43.42
47/64	565047	.7344	2	9-3/4	5-7/8	47.70
3/4	565048	.7500	2	9-3/4	5-7/8	47.70
49/64	565049	.7656	2	9-7/8	6	56.61
25/32	565050	.7812	2	9-7/8	6	55.35
51/64	565051	.7969	3	10-3/4	6-1/8	61.96
13/16	565052	.8125	3	10-3/4	6-1/8	58.23
53/64	565053	.8281	3	10-3/4	6-1/8	64.59
27/32	565054	.8438	3	10-3/4	6-1/8	62.53
55/64	565055	.8594	3	10-3/4	6-1/8	66.86
7/8	565056	.8750	3	10-3/4	6-1/8	64.59

Size	Part Number	Decimal Equivalent	Taper Shank	Overall Length	Flute Length	Price Each
57/64	565057	.8906	3	10-3/4	6-1/8	68.32
29/32	565058	.9062	3	10-3/4	6-1/8	69.84
59/64	565059	.9219	3	10-3/4	6-1/8	70.45
15/16	565060	.9375	3	10-3/4	6-1/8	66.27
61/64	565061	.9531	3	11	6-3/8	72.61
31/32	565062	.9688	3	11	6-3/8	72.17
63/64	565063	.9844	3	11	6-3/8	77.12
1	565064	1.0000	3	11	6-3/8	74.09
1-1/64	565101	1.0156	3	11-1/8	6-1/2	85.31
1-1/32	565102	1.0313	3	11-1/8	6-1/2	82.16
1-3/64	565103	1.0469	3	11-1/4	6-5/8	89.59
1-1/16	565104	1.0625	3	11-1/4	6-5/8	85.31
1-5/64	565105	1.0781	4	12-1/2	6-7/8	103.36
1-3/32	565106	1.0938	4	12-1/2	6-7/8	99.59
1-7/64	565107	1.1094	4	12-3/4	7-1/8	107.48
1-1/8	565108	1.1250	4	12-3/4	7-1/8	104.54
1-9/64	565109	1.1406	4	12-7/8	7-1/4	113.90
1-5/32	565110	1.1563	4	12-7/8	7-1/4	108.36
1-11/64	565111	1.1719	4	13	7-3/8	115.16
1-3/16	565112	1.1875	4	13	7-3/8	113.90
1-13/64	565113	1.2031	4	13-1/8	7-1/2	123.26
1-7/32	565114	1.2188	4	13-1/8	7-1/2	121.42
1-15/64	565115	1.2344	4	13-1/2	7-7/8	134.48
1-1/4	565116	1.2500	4	13-1/2	7-7/8	128.17
1-17/64	565117	1.2656	4	14-1/8	8-1/2	154.97
1-9/32	565118	1.2813	4	14-1/8	8-1/2	153.68
1-19/64	565119	1.2969	4	14-1/4	8-5/8	164.99
1-5/16	565120	1.3125	4	14-1/4	8-5/8	156.05
1-21/64	565121	1.3281	4	14-3/8	8-3/4	170.59
1-11/32	565122	1.3438	4	14-3/8	8-3/4	164.99
1-23/64	565123	1.3594	4	14-1/2	8-7/8	174.25
1-3/8	565124	1.3750	4	14-1/2	8-7/8	167.47
1-25/64	565125	1.3906	4	14-5/8	9	179.22
1-13/32	565126	1.4063	4	14-5/8	9	179.22
1-27/64	565127	1.4219	4	14-3/4	9-1/8	185.49
1-7/16	565128	1.4375	4	14-3/4	9-1/8	181.06
1-29/64	565129	1.4531	4	14-7/8	9-1/4	195.03
1-15/32	565130	1.4688	4	14-7/8	9-1/4	193.08
1-31/64	565131	1.4844	4	15	9-3/8	200.10
1-1/2	565132	1.5000	4	15	9-3/8	194.40
1-9/16	565136	1.5625	5	16-5/8	9-5/8	235.13
1-5/8	565140	1.6250	5	17	10	259.88
1-11/16	565144	1.6875	5	17-1/8	10-1/8	280.21
1-3/4	565148	1.7500	5	17-1/8	10-1/8	300.11
1-13/16	565152	1.8125	5	17-1/8	10-1/8	319.81
1-7/8	565156	1.8750	5	17-3/8	10-3/8	334.67
1-15/16	565160	1.9375	5	17-3/8	10-3/8	360.09
2	565200	2.0000	5	17-3/8	10-3/8	370.94

Optional Morse Taper Shank Sizes Available Upon Request

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COMBINATION DRILL & COUNTERSINKS

Combination Drill & Countersinks are used for producing center holes in the material to be held between centers. Countersinks - Bright

Spotting & Centering Tools are manufactured in a very short overall to prevent misalignment. This is good for accurate starting or centering. 118 deg. and 90 deg. standard drill points. Bright



Aircraft Countersinks 60 Deg.

Size	Part Number	Dia. of Body	Dia. of Drill	Length of Drill	Length Overall	Price Each
0	566811	1/8	1/32	1/32	1-1/4	8.45
2-0	566812	1/8	.025	.025	1-1/4	8.45
3-0	566813	1/8	.020	.020	1-1/4	8.45
4-0	566814	1/8	.015	.015	1-1/4	8.93
5-0	566815	1/8	.010	.010	1-1/4	9.71



Plain Type Countersinks 60 Deg.

Size	Part Number	Dia. of Body	Dia. of Drill	Length of Drill	Length Overall	Price Each
1	566801	1/8	3/64	3/64	1-1/4	5.71
2	566802	3/16	5/64	5/64	1-7/8	5.98
3	566803	1/4	7/64	7/64	2	6.22
4	566804	5/16	1/8	1/8	2-1/8	6.43
5	566805	7/16	3/16	3/16	2-3/4	10.14
6	566806	1/2	7/32	7/32	3	15.30
7	566807	5/8	1/4	1/4	3-1/4	22.09
8	566808	3/4	5/16	5/16	3-1/2	30.77
9	566809	7/8	11/32	11/32	3-5/8	57.73
10	566810	1	3/8	3/8	3-3/4	75.78

60 Deg. LH & 90 Deg. RH Plain Type Countersinks Available Upon Request



Bell Type Countersinks 60 Deg.

Size	Part Number	Dia. of Body	Dia. of Drill	Length of Drill	Length Overall	Price Each
11	567811	1/8	3/64	3/64	1-1/4	6.80
12	567812	3/16	1/16	1/16	1-7/8	7.12
13	567813	1/4	3/32	3/32	2	7.22
14	567814	5/16	7/64	7/64	2-1/8	7.44
15	567815	7/16	5/32	5/32	2-3/4	11.34
16	567816	1/2	3/16	3/16	3	17.45
17	567817	5/8	7/32	7/32	3-1/4	25.93
18	567818	3/4	1/4	1/4	3-1/2	34.73
19	567819	7/8	5/16	5/16	3-5/8	61.77
20	567820	1	3/8	3/8	3-3/4	79.58



Spotting & Centering Drills

Size	118 Deg. Point	90 Deg. Point	Decimal Equivalent	Overall Length	Flute Length	Price Each
1/16	580004	581004	.0625	1-1/4	5/32	5.58
3/32	580006	581006	.0938	1-1/4	1/4	5.58
1/8	580008	581008	.1250	1-1/4	3/8	6.10
3/16	580012	581012	.1875	1-3/8	1/2	6.59
1/4	580016	581016	.2500	1-1/2	5/8	7.30
5/16	580020	581020	.3125	1-1/2	5/8	8.28
3/8	580024	581024	.3750	2	1	9.39
7/16	580028	581028	.4375	2	1	12.64
1/2	580032	581032	.5000	2	1	15.49
9/16	580036	581036	.5625	2	1	23.05
5/8	580040	581040	.6250	2-1/4	1-1/8	25.58
3/4	580048	581048	.7500	2-1/4	1-1/8	35.57
7/8	580056	581056	.8750	2-1/2	1-1/4	43.60
1	580064	581064	1.000	2-1/2	1-1/4	55.69
1-1/4	580116	581116	1.250	4	2	109.08
1-1/2	580132	581132	1.500	5	2-1/2	170.11
1-3/4	580148	581148	1.750	5-1/2	2-3/4	256.53

Left Hand Spotting & Centering Drills Available Upon Request With 118 Deg. Or 90 Deg. Point Angle



Longboy Countersinks are used for producing center holes. The extra length allows you to work in difficult to reach places. Bright

Longboy Countersinks 60 Deg.

Size	Part Number	Dia. of Body	Dia. of Drill	Length of Drill	Price Each
1 x 3"	579813	1/8	3/64	3/64	15.00
1 x 4"	579814	1/8	3/64	3/64	15.64
1 x 5"	579815	1/8	3/64	3/64	21.76
1 x 6"	579816	1/8	3/64	3/64	28.47
2 x 3"	579823	3/16	5/64	5/64	15.20
2 x 4"	579824	3/16	5/64	5/64	17.14
2 x 5"	579825	3/16	5/64	5/64	21.95
2 x 6"	579826	3/16	5/64	5/64	28.59
3 x 4"	579834	1/4	7/64	7/64	18.05
3 x 5"	579835	1/4	7/64	7/64	23.77
3 x 6"	579836	1/4	7/64	7/64	28.85
4 x 4"	579844	5/16	1/8	1/8	20.02
4 x 5"	579845	5/16	1/8	1/8	25.57
4 x 6"	579846	5/16	1/8	1/8	29.55
4-1/2 x 4"	579804	3/8	9/64	9/64	22.51
4-1/2 x 5"	579805	3/8	9/64	9/64	26.59
4-1/2 x 6"	579806	3/8	9/64	9/64	32.06
5 x 4"	579854	7/16	3/16	3/16	26.30
5 x 5"	579855	7/16	3/16	3/16	30.45
5 x 6"	579856	7/16	3/16	3/16	34.19
6 x 5"	579865	1/2	7/32	7/32	32.71
6 x 6"	579866	1/2	7/32	7/32	39.54
7 x 6"	579876	5/8	1/4	1/4	72.92
8 x 6"	579886	3/4	5/16	5/16	78.84

HIGH SPEED TWINDRILLS

A double end drill used primarily in sheet metal working. Heavy duty 135 degree split point.

Package Qty.
 3/32" - 1/4" 12 pcs. per pack Black
 #10 - #30 12 pcs. per pack Black



FRACTIONAL SIZES

Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
3/32	523006	.0938	1-3/4	9/16	2.06
7/64	523007	.1094	1-15/16	5/8	2.06
1/8	523008	.1250	1-15/16	5/8	2.06
9/64	523009	.1406	2	5/8	2.06
5/32	523010	.1563	2-1/8	5/8	2.33
3/16	523012	.1875	2-5/16	5/8	2.62
7/32	523014	.2188	2-9/16	3/4	3.31
1/4	523016	.2500	2-5/8	13/16	3.59

WIRE GAUGE SIZES

Wire Size	Part Number	Decimal Equivalent	Overall Length	Flute Length	Price Each
10	524810	.1935	2-5/16	5/8	2.76
11	524811	.1910	2-5/16	5/8	2.76
20	524820	.1610	2-1/8	5/8	2.33
30	524830	.1285	2	5/8	2.02

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**#1 - #56, 1/16" & 5/64" Twindrills are Available
 with 118 Deg. Point and Bright Finish**

OHIO MASONRY DRILLS WITH CARBIDE TIPS



Package Qty.
 1 pc. per pack

Size	Part Number	Decimal Equivalent	Overall Length	Shank Diameter	Price Each
1/8	564008	.1250	3	1/8	2.60
3/16	564012	.1875	3	3/16	2.60
1/4	564016	.2500	4	1/4	2.60
5/16	564020	.3125	4	1/4	2.88
3/8	564024	.3750	4	1/4	2.98
7/16	564028	.4375	6	1/4	4.39
1/2	564032	.5000	6	3/8	5.25

Size	Part Number	Decimal Equivalent	Overall Length	Shank Diameter	Price Each
9/16	564036	.5625	6	1/2	6.63
5/8	564040	.6250	6	1/2	9.34
11/16	564044	.6875	6	1/2	15.13
3/4	564048	.7500	6	1/2	13.02
7/8	564056	.8750	6	1/2	14.35
1	564064	1.0000	6	1/2	20.26



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STANDARD DRILL SETS COMPLETE

Ohio Drill Set Number	Drill Capacity of Case	Part Number	Price Each
13	1/16 thru 1/4 by 64ths	588813	24.35
15	1/16 thru 1/2 by 32nds	588815	64.57
20	61 thru 80 Wire Gauge	588820	42.71
21	1/16 thru 3/8 by 64ths	588821	58.55
26	A thru Z	588826	116.05
29	1/16 thru 1/2 by 64th	588829	116.00
60	1 thru 60 Wire Gauge	588860	102.55
80	1 thru 80 Wire Gauge	588880	156.64
11- M	1mm thru 6mm by 1/2mm	588811	30.79
25 - M	1mm thru 13mm by 1/2mm	588825	158.95
115	1/16 thru 1/2, A thru Z, and 1 thru 60	588115	346.60

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#21 Half Round Drill Set



#29 Jobber Drill Set

Additional Drill Sets

Available Upon Request

Drill Blanks
Reamer Blanks
Cobalt Jobber
Fast Spiral Jobber
Half Round Jobber
Heavy Duty Split Point Stubs
Left Hand Jobber
Left Hand Stub
Slow Spiral Jobber
Stub Drills
Taper Length Drills

Also Available

Standard Drill Cases Only

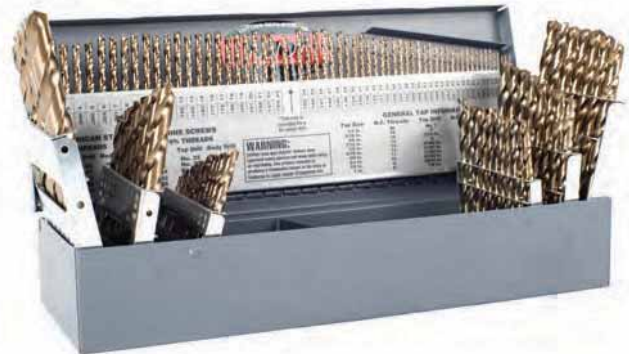


STANDARD DRILL AND BLANK SETS



115 Combination Set

1/16 thru 1/2, A thru Z, and 1 thru 60



Drill Cabinet

**QUICK, CONVENIENT STORAGE
MAKES VISIBLE INVENTORY
CONTROL EASY**



No. 60 Drill Cabinet

The cabinet requires only 14-1/2 x 7-1/2 inches of counter space and is equipped to provide a special compartment for each standard size drill made.

No. 29-DC holds all fractional sizes from 1/16 to 1/2Price Each \$116.59

No. 60-DC holds all wire gauge sizes from No.1 to No. 60Price Each \$149.32

No. 26-DC holds all letter size drills form A to ZPrice Each \$116.59
Cabinets can be double or triple stacked to save space and there is ample capacity for a moderate supply of drills in each compartment.

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HIGH SPEED DRILL RODS

TOLERANCE Plus .001" Minus .001

Size	Decimal Equivalent	Annealed Ground AISI 0-1 Drills Rods 36"	Annealed Ground High Speed Drills Rods 36"	Hardened Ground High Speed Drill Rods 36" Part No.	Hardened Ground High Speed Drill Rods 36"
1/16	.0625	15.48	17.36	204004	29.23
5/64	.0781	16.85	18.22	204005	31.45
3/32	.0938	15.76	19.72	204006	31.45
7/64	.1094	16.77	19.72	204007	34.43
1/8	.1250	16.49	19.72	204008	35.97
9/64	.1406	17.57	21.02	204009	35.97
5/32	.1563	17.48	21.02	204010	35.97
11/64	.1719	18.58	22.29	204011	37.49
3/16	.1875	18.01	22.29	204012	37.49
13/64	.2031	19.13	22.73	204013	38.82
7/32	.2188	19.04	23.70	204014	38.82
15/64	.2344	20.16	25.99	204015	40.20
1/4	.2500	18.75	25.99	204016	40.20
17/64	.2656	20.45	28.52	204017	46.12
9/32	.2813	20.96	29.49	204018	46.12
19/64	.2969	22.18	29.62	204019	48.07
5/16	.3125	20.90	32.84	204020	48.07
21/64	.3281	22.92	34.36	204021	54.72
11/32	.3438	23.53	34.36	204022	54.72
23/64	.3594	24.90	36.27	204023	60.59
3/8	.3750	23.99	39.35	204024	60.59
25/64	.3906	26.67	41.10	204025	66.81
13/32	.4063	27.30	43.26	204026	66.81
27/64	.4219	28.88	43.26	204027	70.80
7/16	.4375	27.80	45.54	204028	70.80
29/64	.4531	31.38	47.44	204029	74.14
15/32	.4688	32.02	49.92	204030	74.14
31/64	.4844	33.91	52.45	204031	78.95
1/2	.5000	31.19	52.83	204032	78.95

Ground Decimal Sizes Available Upon Request

PROUDLY MADE IN THE U.S.A.



PHONE 800-826-5237



FAX 330-525-5432



TAPS



Spiral Point Taps

Nominal Tap Sizes	Part Number	Tap-Drill To Produce Approx. 75% Full Thread	Price Each
4 - 40	321070	43	10.68
5 - 40	321090	38	10.68
6 - 32	321110	36	8.80
6 - 40	321120	33	8.80
8 - 32	321130	29	8.80
8 - 36	321140	29	8.80
10 - 24	321150	25	8.80
10 - 32	321160	21	8.80
12 - 24	321170	16	10.03
12 - 28	321180	14	10.03
1/4 - 20	322000	7	8.80
1/4 - 28	322010	3	8.80
5/16 - 18	322020	F	9.79
5-16 - 24	322030	I	9.79
3/8 - 16	322040	5/16	11.30
3/8 - 24	322050	Q	11.30
7/16 - 14	322060	U	19.43
7/16 - 20	322070	25/64	19.43
1/2 - 13	322080	27/64	20.05
1/2 - 20	322090	29/64	20.05
5/8 - 11	322120	17/32	44.48
5/8 - 18	322130	37/64	44.48
3/4 - 10	322140	21/32	62.64
3/4 - 16	322150	11/16	62.64



American Standard Taper Pipe Taps

Size of Pipe Tap	Part Number	Tap Drill	Price Each
1/8	320008	R	23.09
1/4	320016	7/16	25.84
3/8	320024	37/64	33.22
1/2	320032	23/32	55.91
3/4	320048	59/64	77.05
1	320064	1-5/32	116.27
1-1/4	320080	1-1/2	165.36
1-1/2	320096	1-47/64	223.38

Common Machine Screw Sizes Tap Drill & Body Clearance

Nominal Tap Sizes	Taper Tap Part Number	Plug Tap Part Number	Bottom Tap Part Number	Tap-Drill To Produce Approx. 75% Full Thread	Price Each
4 - 40	318073	318072	318071	43	8.05
4 - 48	318083	318082	318081	42	8.05
5 - 40	318093	318092	318091	38	8.05
5 - 44	318103	318102	318101	37	8.05
6 - 32	318113	318112	318111	36	6.67
6 - 40	318123	318122	318121	33	6.67
8 - 32	318133	318132	318131	29	6.79
8 - 36	318143	318142	318141	29	6.79
10 - 24	318153	318152	318151	25	7.03
10 - 32	318163	318162	318161	21	7.03
12 - 24	318173	318172	318171	16	7.41
12 - 28	318183	318182	318181	14	7.41

Common Fractional Sizes N.C. & N.F. Series

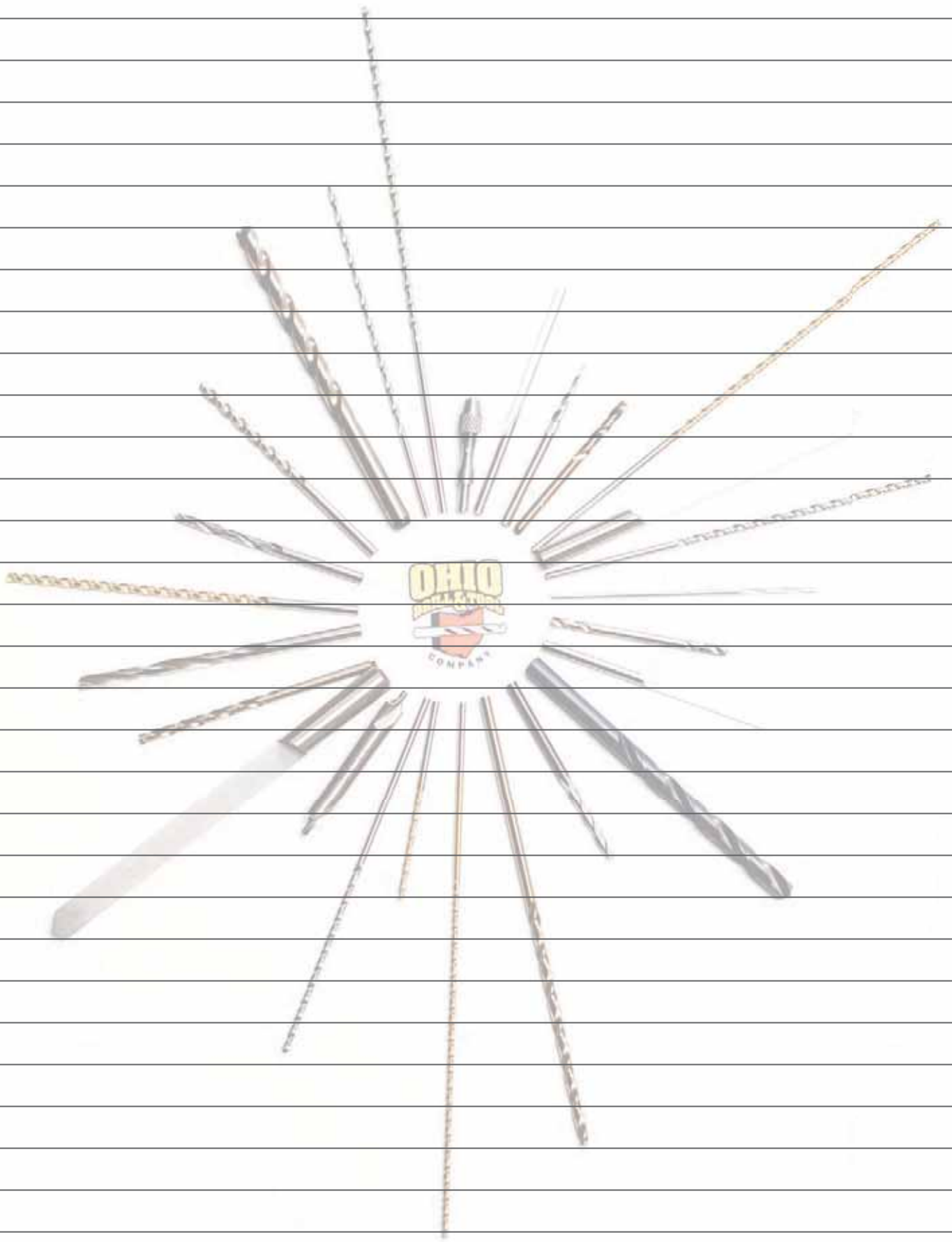
Nominal Tap Sizes	Taper Tap Part Number	Plug Tap Part Number	Bottom Tap Part Number	Tap-Drill To Produce Approx. 75% Full Thread	Price Each
1/4 - 20	319003	319002	319001	7	6.89
1/4 - 28	319013	319012	319011	3	6.89
5/16 - 18	319023	319022	319021	F	8.05
5/16 - 24	319033	319032	319031	I	8.05
3/8 - 16	319043	319042	319041	5/16	9.53
3/8 - 24	319053	319052	319051	Q	9.53
7/16 - 14	319063	319062	319061	U	15.16
7/16 - 20	319073	319072	319071	25/64	15.16
1/2 - 13	319083	319082	319081	27/64	17.04
1/2 - 20	319093	319092	319091	29/64	17.04
9/16 - 12	319103	319102	319101	31/64	28.60
9/16 - 18	319113	319112	319111	33/64	28.60
5/8 - 11	319123	319122	319121	17/32	37.09
5/8 - 18	319133	319132	319131	37/64	37.09
3/4 - 10	319143	319142	319141	21/32	51.39
3/4 - 16	319153	319152	319151	11/16	51.39
7/8 - 9	319163	319162	319161	3/4	73.07
7/8 - 14	319173	319172	319171	13/16	73.07
1 - 8	319183	319182	319181	7/8	97.46
1 - 12	319193	319192	319191	15/16	97.46
1 - 14	319196	319195	319194	15/16	97.46
1-1/8 - 7	319203	319202	319201	63/64	158.24
1-1/8 - 12	319213	319212	319211	1-3/64	158.24
1-1/4 - 7	319223	319222	319221	1-7/64	207.93
1-1/4 - 12	319233	319232	319231	1-11/64	207.93

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NOTES





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