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PLC Magnum 2018

NORSEMANTM/CTD DRILL & TOOL

America's Finest High-Speed Steel Cutting ToolsTM



PRICE LIST

Catalog

Proudly Manufactured in the U.S.A.

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NORSEMAN/CTD

DRILL & TOOL

America's Finest High-Speed Steel Cutting Tools™

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

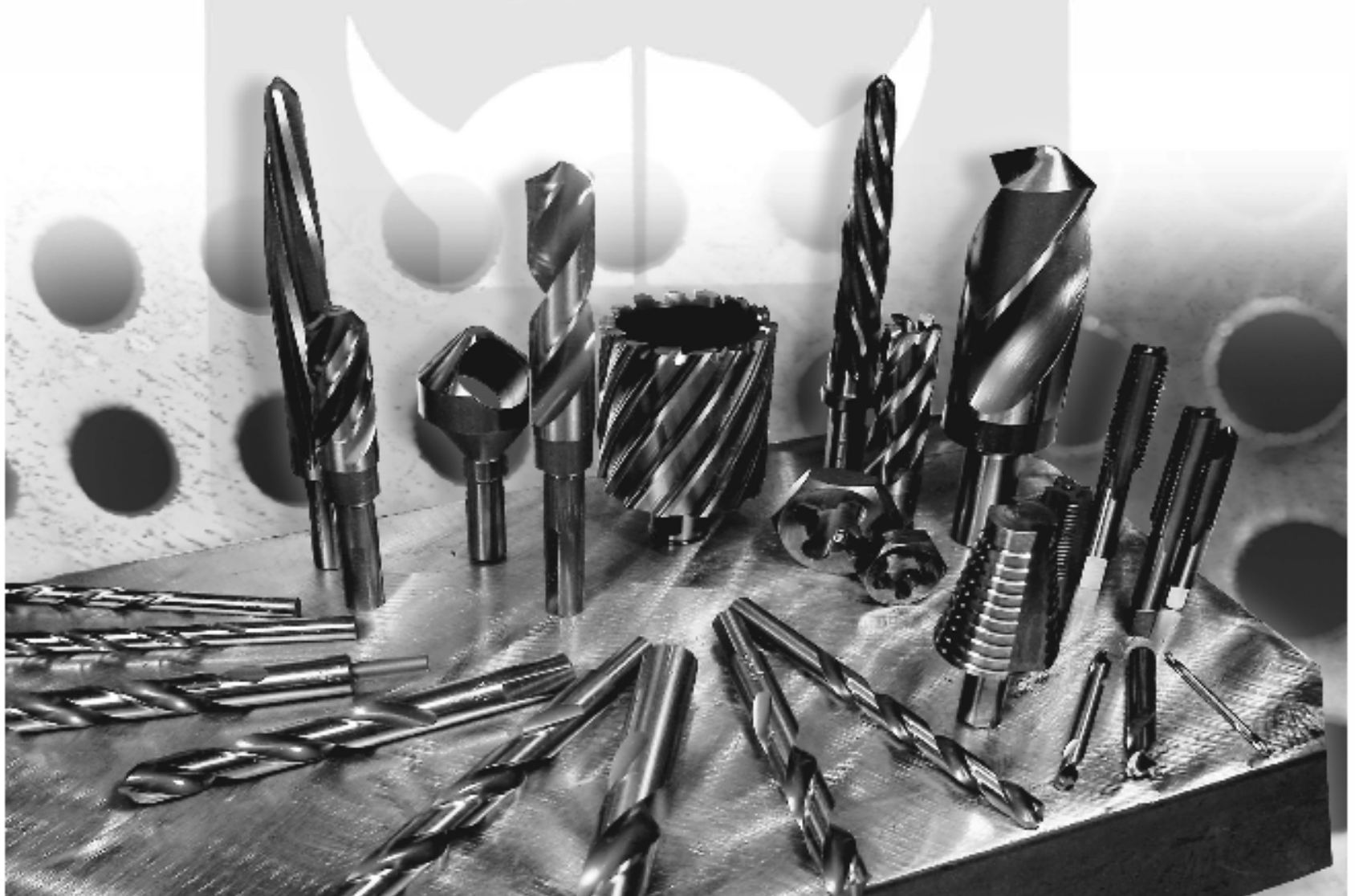


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* Not NAS907B

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* Not NAS907B

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* Not NAS907B

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* Not NAS907C

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HSS Heavy-Duty NAS 907B

Type 190-CN

CN-TECH™ Nitride 135° Split Point

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



Part #	Size	Price
47032	1/16	\$2.07
47042	5/64	\$2.15
47052	3/32	\$2.18
47062	7/64	\$2.32
47072	1/8	\$2.65
47082	9/64	\$2.80
47092	5/32	\$2.99
47102	11/64	\$3.11
47112	3/16	\$3.74
47122	13/64	\$4.08
47132	7/32	\$4.19
47142	15/64	\$4.52
47152	1/4	\$4.92
47162	17/64	\$5.85
47172	9/32	\$6.27
47182	19/64	\$7.07
47192	5/16	\$7.51
47202	21/64	\$8.02
47212	11/32	\$9.47
47222	23/64	\$10.07
47232	3/8	\$10.98
47242	25/64	\$12.00
47252	13/32	\$12.66
47262	27/64	\$13.24
47272	7/16	\$14.87
47282	29/64	\$16.46
47292	15/32	\$17.48
47302	31/64	\$17.99
47312	1/2	\$18.47

Letter		
Part No.	Size	Price
47522	A	\$5.11
47532	B	\$5.63
47542	C	\$5.63
47552	D	\$5.47
47562	E	\$4.58
47572	F	\$6.00
47582	G	\$6.00
47592	H	\$6.00
47602	I	\$6.27
47612	J	\$6.73
47622	K	\$6.68
47632	L	\$7.45
47642	M	\$8.10
47652	N	\$8.10
47662	O	\$8.10
47672	P	\$9.04
47682	Q	\$9.24
47692	R	\$9.61
47702	S	\$10.36

Letter (continued)		
Part #	Size	Price
47712	T	\$11.60
47722	U	\$11.60
47732	V	\$11.81
47742	W	\$12.33
47752	X	\$14.26
47762	Y	\$15.24
47772	Z	\$16.53

Wire		
Part #	Size	Price
47782	1	\$5.22
47792	2	\$5.22
47802	3	\$4.88
47812	4	\$4.88
47822	5	\$4.88
47832	6	\$4.88
47842	7	\$3.83
47852	8	\$3.83
47862	9	\$3.83
47872	10	\$3.83
47882	11	\$3.95
47892	12	\$3.95
47902	13	\$3.58
47912	14	\$3.36
47922	15	\$3.36
47932	16	\$3.36
47942	17	\$3.36
47952	18	\$2.91
47962	19	\$2.91
47972	20	\$2.91
47982	21	\$2.70
47992	22	\$2.70
48002	23	\$2.61
48012	24	\$2.61
48022	25	\$2.56
48032	26	\$2.56
48042	27	\$2.56
48052	28	\$2.27
48062	29	\$2.27
48072	30	\$2.27
48082	31	\$2.27
48092	32	\$2.15
48102	33	\$2.07
48112	34	\$2.07
48122	35	\$2.07
48132	36	\$2.07
48142	37	\$2.07
48152	38	\$1.95
48162	39	\$1.95
48172	40	\$1.95
48182	41	\$1.93
48192	42	\$1.85
48202	43	\$1.85
48212	44	\$1.85
48222	45	\$1.85
48232	46	\$1.85
48242	47	\$1.85

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Part #	Size	Price
48252	48	\$1.85
48262	49	\$1.85
48272	50	\$1.85
48282	51	\$1.85
48292	52	\$1.85
48302	53	\$1.85
48312	54	\$1.85
48322	55	\$1.85
48332	56	\$1.85
48342	57	\$1.85
48352	58	\$1.85
48362	59	\$1.85
48372	60	\$1.85

Sets		
Part No.	Size	Price
47492	CT-13	\$51.95
47472	CT-15	\$138.70
47482	CT-15P Ultra Dex	\$144.40
47452	CT-29	\$251.40
47462	CT-29P Ultra Dex	\$254.10
47502	CT-60	\$179.98
47512	CT-115	\$710.61

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

Jobber Length Drills

Reduced Shank, Heavy-Duty



HSS Heavy-Duty NAS 907B

Type 190-AG

Magnum Super Premium

135° Split Point

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



Fractional		
Part #	Size	Price
05580	1/16	\$1.43
05590	5/64	\$1.48
05600	3/32	\$1.50
05610	7/64	\$1.60
05620	1/8	\$1.83
05630	9/64	\$1.93
05640	5/32	\$2.06
05650	11/64	\$2.15
05660	3/16	\$2.58
05670	13/64	\$2.81
05680	7/32	\$2.89
05690	15/64	\$3.11
05700	1/4	\$3.39
05710	17/64	\$4.04
05720	9/32	\$4.33
05730	19/64	\$4.88
05740	5/16	\$5.18
05750	21/64	\$5.53
05760	11/32	\$6.53
05770	23/64	\$6.95
05780	3/8	\$7.57
05790	25/64	\$8.27
05800	13/32	\$8.73
05810	27/64	\$9.13
05820	7/16	\$10.26
05830	29/64	\$11.35
05840	15/32	\$12.06
05850	31/64	\$12.40
05860	1/2	\$12.74
22210	33/64	\$25.30
22220	17/32	\$26.48
22230	35/64	\$28.64
22240	9/16	\$30.03
22250	37/64	\$30.10
22260	19/32	\$30.92
22270	39/64	\$33.96
22280	5/8	\$33.18
22290	41/64	\$36.30
22300	21/32	\$34.79
22310	43/64	\$37.94
22320	11/16	\$36.16
22330	45/64	\$40.21
22340	23/32	\$38.30
22350	47/64	\$41.91
22360	3/4	\$39.88

Letter		
Part #	Size	Price
39460	A	\$4.24
39470	B	\$4.24
39480	C	\$4.24
39490	D	\$4.11
39500	E	\$3.39
39510	F	\$4.56
39520	G	\$4.94
39530	H	\$5.07
39540	I	\$5.07
39550	J	\$5.33
39560	K	\$5.96
39570	L	\$5.78
39580	M	\$6.32
39590	N	\$6.32
39600	O	\$6.32
39610	P	\$7.10
39620	Q	\$7.27
39630	R	\$7.59
39640	S	\$8.21
39650	T	\$9.23
39660	U	\$9.23
39670	V	\$9.42
39680	W	\$9.85
39690	X	\$11.74
39700	Y	\$13.78
39710	Z	\$14.08

Wire		
Part #	Size	Price
38940	1	\$3.93
38950	2	\$3.93
38960	3	\$3.63
38970	4	\$3.63
38980	5	\$3.63
38990	6	\$3.63
39000	7	\$3.21
39010	8	\$3.21
39020	9	\$3.21
39030	10	\$3.14
39040	11	\$2.89
39050	12	\$2.89
39060	13	\$2.79
39070	14	\$2.79
39080	15	\$2.79
39090	16	\$2.79
39100	17	\$2.79
39110	18	\$2.43
39120	19	\$2.43
39130	20	\$2.43
39140	21	\$2.22
39150	22	\$2.22
39160	23	\$2.19
39170	24	\$2.19
39180	25	\$2.12
39190	26	\$2.12

Wire (continued)		
Part #	Size	Price
39200	27	\$2.12
39210	28	\$1.89
39220	29	\$1.89
39230	30	\$1.89
92310	31	\$1.89
92300	32	\$1.89
92290	33	\$1.89
92280	34	\$1.89
92270	35	\$1.89
92260	36	\$1.89
92250	37	\$1.89
92240	38	\$1.89
92230	39	\$1.89
92220	40	\$1.89
88420	41	\$1.89
88410	42	\$1.89
88400	43	\$1.89
88390	44	\$1.89
88380	45	\$1.89
88370	46	\$1.89
88360	47	\$1.89
88350	48	\$1.89
88340	49	\$1.89
88330	50	\$1.89
88320	51	\$1.89
88310	52	\$1.89
88300	53	\$1.89
88290	54	\$1.89
88280	55	\$1.89
88270	56	\$1.89
88260	57	\$1.89
88250	58	\$1.89
88240	59	\$1.89
88230	60	\$1.89

Carded			Type 190-AG		
Part #	Size	Price	Part #	Size	Price
05587	1/16	\$4.70	05717	17/64	\$4.60
05597	5/64	\$4.87	05727	9/32	\$4.89
05607	3/32	\$4.94	05737	19/64	\$5.16
05617	7/64	\$5.23	05747	5/16	\$5.71
05627	1/8	\$5.96	05757	21/64	\$6.10
(3 per card thru 1/8)			05767	11/32	\$7.09
05637	9/64	\$4.35	05777	23/64	\$7.51
05647	5/32	\$4.60	05787	3/8	\$8.26
05657	11/64	\$4.76	05797	25/64	\$8.97
05667	3/16	\$5.64	05807	13/32	\$9.42
05677	13/64	\$6.12	05817	27/64	\$9.84
05687	7/32	\$6.26	05827	7/16	\$10.94
05697	15/64	\$6.69	05837	29/64	\$12.02
05707	1/4	\$7.24	05847	15/32	\$12.73
(2 per card thru 1/4)			05857	31/64	\$13.08
			05867	1/2	\$13.45

Continued Type 190 -AG Sets/Displays page 3

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

135° Split Point Black & Gold
Magnum Super Premium

Part No.	Size	Price
44110	SP-13	\$35.38
44120	SP-15	\$97.29
44130	SP-21	\$89.40
88660	SP-26	\$187.46
44150	SP-29	\$177.10
44170	SP-29P	\$182.77
	Black Ultra Dex	
44190	SP-29PON	\$182.77
	Blaze Orange Ultra Dex	
88640	SP-60	\$144.20
93840	SP-115	\$523.45

300 Piece Countertop Display

Part No.	Size	Price
06490	300-SP	\$1,168.18

Fractional Drills - 96 pc. Stocking Case

Part No.	Size	Price
06500	96-SP	\$526.35

Wire Gauge Drills - 249 pc. Stocking Case

Part No.	Size	Price
35070	249-SP	\$602.04

Letter Drills - 72 pc. Stocking Case

Part No.	Size	Price
35080	72-SP	\$527.76

3/8" Reduced Shank Type 128-AG

135° Split Point Magnum Super Premium

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

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



Fractional

Part No.	Size	Price
59200	25/64	\$11.20
59210	13/32	\$11.67
59220	27/64	\$12.08
59230	7/16	\$13.19
59240	29/64	\$14.28
59250	15/32	\$14.98
59260	31/64	\$15.34
59270	1/2	\$15.69
59280	17/32	\$32.32
59290	9/16	\$33.28
59300	19/32	\$36.52
59310	5/8	\$36.80

Carded

Part #	Size	Price	Part #	Size	Price
59207	25/64"	\$11.90	59247	29/64"	\$14.97
59217	13/32"	\$12.37	59257	15/32"	\$15.67
59227	27/64"	\$12.75	59267	31/64"	\$16.05
59237	7/16"	\$13.88	59277	1/2"	\$16.38

3/8" Reduced Shank Type 128-AG Sets

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

Part No.	Size	Price
92110	RSP-15	\$108.83
92100	RSP-29	\$200.16
92150	RSP-29P-Black Ultra Dex	\$205.88
92153	RSP-29PO-Blaze Orange Ultra Dex	\$205.88
92170	SP-21R	\$126.93

HSS Heavy-Duty NAS 907B

Type 190

Heavy-Duty - Black Oxide
135° Split Point

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



Fractional

Part No.	Size	Price
04490	1/16	\$1.42
04500	5/64	\$1.47
04510	3/32	\$1.49
04520	7/64	\$1.59
04530	1/8	\$1.82
04540	9/64	\$1.92
04550	5/32	\$2.05
04560	11/64	\$2.14
04570	3/16	\$2.52
04580	13/64	\$2.79
04590	7/32	\$2.88
04600	15/64	\$3.08
04610	1/4	\$3.36
04620	17/64	\$4.02
04630	9/32	\$4.26
04640	19/64	\$4.82
04650	5/16	\$5.12
04660	21/64	\$5.41
04670	11/32	\$6.38
04680	23/64	\$6.81
04690	3/8	\$7.40
04700	25/64	\$8.03
04710	13/32	\$8.50
04720	27/64	\$8.90
04730	7/16	\$9.98
04740	29/64	\$10.98
04750	15/32	\$11.67
04760	31/64	\$12.01
04770	1/2	\$12.37

Letter

Part No.	Size	Price
05300	A	\$3.52
05310	B	\$3.52
05320	C	\$3.34
05330	D	\$3.34
05340	E	\$3.34
05350	F	\$3.81
05360	G	\$3.95
05370	H	\$4.07
05380	I	\$4.07
05390	J	\$4.82
05400	K	\$4.82
05410	L	\$5.51
05420	M	\$5.81
05430	N	\$5.81
05440	O	\$5.81
05450	P	\$6.09
05460	Q	\$6.09
05470	R	\$6.09
05480	S	\$7.11
05490	T	\$7.11
05500	U	\$7.66
05510	V	\$7.66
05520	W	\$8.22
05530	X	\$9.69
05540	Y	\$10.35
05550	Z	\$11.20

Jobber Length Drills

Reduced Shank, Heavy-Duty



Wire		
Part No.	Size	Price
04780	1	\$3.62
04790	2	\$3.37
04800	3	\$3.37
04810	4	\$3.37
04820	5	\$3.37
04830	6	\$3.37
04840	7	\$2.70
04850	8	\$3.01
04860	9	\$2.99
04870	10	\$2.79
04880	11	\$2.79
04890	12	\$2.79
04900	13	\$2.70
04910	14	\$2.70
04920	15	\$2.70
04930	16	\$2.53
04940	17	\$2.47
04950	18	\$2.38
04960	19	\$2.29
04970	20	\$2.29
04980	21	\$2.23
04990	22	\$2.23
05000	23	\$2.17
05010	24	\$2.07
05020	25	\$2.04
05030	26	\$2.00
05040	27	\$2.00
05050	28	\$1.85
05060	29	\$1.85
05070	30	\$1.85
05080	31	\$1.71
05090	32	\$1.71
05100	33	\$1.71
05110	34	\$1.71
05120	35	\$1.71
05130	36	\$1.77
05140	37	\$1.77
05150	38	\$1.77
05160	39	\$1.63
05170	40	\$1.63
05180	41	\$1.62
05190	42	\$1.60
05200	43	\$1.60
05210	44	\$1.60
05220	45	\$1.60
05230	46	\$1.60
05240	47	\$1.60
05250	48	\$1.60
05260	49	\$1.60
05270	50	\$1.60
05280	51	\$1.60
05290	52	\$1.60

Carded			Type 190		
Part No.	Size	Price	Part No.	Size	Price
04497	1/16"	\$4.68	04647	19/64	\$5.36
04507	5/64	\$4.85	04657	5/16	\$5.63
04517	3/32	\$4.93	04667	21/64	\$5.93
04527	7/64	\$5.20	04677	11/32	\$6.92
04537	1/8"	\$6.11	04687	23/64	\$7.35
04547	9/64	\$4.31	04697	3/8"	\$8.11
04557	5/32	\$4.56	04707	25/64	\$8.74
04567	11/64	\$4.75	04717	13/32	\$9.29
04577	3/16	\$5.54	04727	27/64	\$9.61
04587	13/64	\$6.09	04737	7/16"	\$10.70
04597	7/32	\$6.25	04747	29/64	\$11.72
04607	15/64	\$6.64	04757	15/32	\$12.36
04617	1/4"	\$7.17	04767	31/64	\$12.74
04627	17/64	\$4.51	04777	1/2"	\$13.08
04637	9/32	\$4.79			

HSS Heavy-Duty NAS 907B

Type 190 Sets/Displays

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

Part No.	Size	Price
43330	A-10	\$25.56
43320	A-11	\$43.99
43340	A-13	\$33.42
43350	A-15	\$93.50
43360	A-21	\$83.95
43370	A-26	\$168.78
43380	A-29	\$172.52
60590	A-29P	\$165.62
43390	A-60	\$134.83
43420	A-115	\$512.46

Part No.	Size	Price
44870	PL-7A	\$26.38
44880	PL-10A	\$31.36
44890	PL-13A	\$39.38

300 Piece Assortments

Part No.	Size	Price
06520	300-HD	\$1,123.25

Fractional Drills - 96 Piece Assortment

Part No.	Size	Price
16010	96-HD	\$506.09

Wire Gauge Drills - 249 Piece Assortment

Part No.	Size	Price
16030	249-HD	\$550.04

Letter Drills - 72 Piece Assortment

Part No.	Size	Price
16020	72-HD	\$490.96

Type 190-GF

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

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



Fractional		
Part No.	Size	Price
40490	1/16	\$1.42
40500	5/64	\$1.47
40510	3/32	\$1.49
40520	7/64	\$1.59
40530	1/8	\$1.82
40540	9/64	\$1.92
40550	5/32	\$2.05
40560	11/64	\$2.14
40561	3/16	\$2.91
40562	13/64	\$3.21
40563	7/32	\$3.32
40564	15/64	\$3.53
40569	1/4	\$3.86
40571	17/64	\$4.62
40572	9/32	\$4.92
40573	19/64	\$5.54
40574	5/16	\$5.90
40579	21/64	\$6.24
40581	11/32	\$7.35
40582	23/64	\$7.83
40583	3/8	\$8.50

Type 190-GF

Continued

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

Fractional		
Part No.	Size	Price
40584	25/64	\$9.26
40589	13/32	\$9.76
40591	27/64	\$10.21
40592	7/16	\$11.47
40593	29/64	\$12.63
40594	15/32	\$13.43
40601	31/64	\$13.81
40602	1/2	\$14.22

Type 190-GF Sets/Displays

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

Part No.	Size	Price
40611	GF-13	\$40.38
40612	GF-15	\$109.58
40613	GF-21	\$98.31
40604	GF-29	\$196.05
40614	GF-29P (Ultra Dex)	\$201.75

300 Piece Assortments

Part No.	Size	Price
40632	300-GF	\$1,287.66

Type 190-GFR

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



Fractional		
Part No.	Size	Price
40633	25/64	\$11.88
40634	13/32	\$12.42
40639	27/64	\$12.86
40621	7/16	\$14.11
40622	29/64	\$15.27
40623	15/32	\$16.06
40624	31/64	\$16.44
40629	1/2	\$16.86

Type 190-GFR Sets

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

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

Part No.	Size	Price
40631	GF-21RS	\$136.12
40641	GF-29RS	\$216.80
40651	GF29RSP	\$219.33

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

Type 198

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

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

American made value line drill.



Fractional		
Part No.	Size	Price
02782	1/16	\$1.43
02792	5/64	\$1.49
02802	3/32	\$1.51
02812	7/64	\$1.45
02822	1/8	\$1.64
02832	9/64	\$1.76
02842	5/32	\$1.87
02852	11/64	\$1.93
02862	3/16	\$2.31
02872	13/64	\$2.55
02882	7/32	\$2.62
02892	15/64	\$2.81
02902	1/4	\$3.05
02912	17/64	\$3.63
02922	9/32	\$3.86
02932	19/64	\$4.33
02942	5/16	\$4.61
02952	21/64	\$4.88
02962	11/32	\$5.76
02972	23/64	\$6.12
02982	3/8	\$6.65
02992	25/64	\$7.23
03002	13/32	\$7.66
03012	27/64	\$8.00
03022	7/16	\$8.98
03032	29/64	\$9.89
03042	15/32	\$10.50
03052	31/64	\$10.82
03062	1/2	\$11.13

Type 198 Sets

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

Part No.	Size	Price
06072	SA-13	\$30.93
06082	SA-15	\$86.70
06092	SA-21	\$78.37
06102	SA-29	\$158.76

General Purpose

Type 100

Bright Flute 118° Point High Speed Steel

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



Fractional		
Part No.	Size	Price
02750	1/64	\$5.21
02760	1/32	\$2.31
02770	3/64	\$1.57
02780	1/16	\$1.29
02790	5/64	\$1.29
02800	3/32	\$1.29
02810	7/64	\$1.31
02820	1/8	\$1.42
02830	9/64	\$1.58
02840	5/32	\$1.63
02850	11/64	\$1.80
02860	3/16	\$2.08
02870	13/64	\$2.30
02880	7/32	\$2.53
02890	15/64	\$2.73
02900	1/4	\$3.06
02910	17/64	\$3.79
02920	9/32	\$4.21
02930	19/64	\$4.61
02940	5/16	\$4.73
02950	21/64	\$5.21
02960	11/32	\$6.04
02970	23/64	\$6.67
02980	3/8	\$6.87
02990	25/64	\$7.69
03000	13/32	\$7.86
03010	27/64	\$8.69
03020	7/16	\$9.34
03030	29/64	\$10.84
03040	15/32	\$11.00
03050	31/64	\$11.48
03060	1/2	\$11.64
48370	33/64	\$23.20
48380	17/32	\$24.28
48390	35/64	\$26.26
48400	9/16	\$27.52
48410	37/64	\$27.61
48420	19/32	\$28.33
48430	39/64	\$31.12
48440	5/8	\$30.39
48450	41/64	\$32.18
48460	21/32	\$32.14
48470	43/64	\$37.78
48480	11/16	\$36.91
48730	3/4	\$41.72

Proudly Manufactured in the U.S.A.

Cutting Tool Lubricant

Type 11-AG

Ultra S/P™ Super Premium

Super concentrated no run formula. Clings to vertical surfaces for continual lubrication.

Rich gold color and thick consistency gives a quality appearance not available with thin runny fluids. Virtually smoke free in even the most heat prone applications. Contains no ozone depleting substances. This fluid will extend tool life and yield a super smooth machined finish.



Part No.	Size	Price
96050	12 - 4 OZ.	\$4.61 ea.
96060	48 - 4 OZ.	\$4.40 ea.
96070	12 - 16 OZ.	\$14.20 ea.
96071	Display/ 8 - 4 OZ.	\$37.32

Jobber Length Drills

General Purpose



NORSEMAN
DRILL & TOOL

Letter		
Part No.	Size	Price
04160	A	\$3.06
04170	B	\$3.06
04180	C	\$2.99
04190	D	\$2.99
04200	E	\$3.06
04210	F	\$3.62
04220	G	\$3.88
04230	H	\$3.95
04240	I	\$3.95
04250	J	\$4.46
04260	K	\$4.46
04270	L	\$4.94
04280	M	\$5.21
04290	N	\$5.21
04300	O	\$5.25
04310	P	\$5.71
04320	Q	\$5.85
04330	R	\$6.11
04340	S	\$7.02
04350	T	\$7.02
04360	U	\$7.11
04370	V	\$7.20
04380	W	\$8.00
04390	X	\$9.17
04400	Y	\$9.59
04410	Z	\$10.66
Wire		
Part No.	Size	Price
03190	1	\$2.99
03200	2	\$2.99
03210	3	\$2.99
03220	4	\$2.99
03230	5	\$2.99
03240	6	\$2.99
03250	7	\$2.20
03260	8	\$2.20
03270	9	\$2.42
03280	10	\$2.42
03290	11	\$2.42
03300	12	\$2.42
03310	13	\$2.14
03320	14	\$2.14
03330	15	\$2.14
03340	16	\$2.14
03350	17	\$2.14
03360	18	\$1.91
03370	19	\$1.91
03380	20	\$1.91
03390	21	\$1.74
03400	22	\$1.74
03410	23	\$1.74
03420	24	\$1.74
03430	25	\$1.58
03440	26	\$1.58
03450	27	\$1.58
03460	28	\$1.58
03470	29	\$1.58
03480	30	\$1.58
03490	31	\$1.47
03500	32	\$1.47
03510	33	\$1.47
03520	34	\$1.47
03530	35	\$1.42
03540	36	\$1.42
03550	37	\$1.42
03560	38	\$1.42
03570	39	\$1.42
03580	40	\$1.42

Wire		
Part No.	Size	Price
03590	41	\$1.42
03600	42	\$1.44
03610	43	\$1.44
03620	44	\$1.44
03630	45	\$1.44
03640	46	\$1.44
03650	47	\$1.44
03660	48	\$1.44
03670	49	\$1.44
03680	50	\$1.44
03690	51	\$1.44
03700	52	\$1.44
03710	53	\$1.57
03720	54	\$1.57
03730	55	\$1.57
03740	56	\$1.57
03750	57	\$1.59
03760	58	\$1.59
03770	59	\$1.59
03780	60	\$1.59
03790	61	\$2.04
03800	62	\$2.04
03810	63	\$2.04
03820	64	\$2.04
03830	65	\$2.04
03840	66	\$2.04
03850	67	\$2.04
03860	68	\$2.48
03870	69	\$2.62
03880	70	\$2.62
03890	71	\$3.29
03900	72	\$3.29
03910	73	\$3.29
03920	74	\$3.29
03930	75	\$3.29
03940	76	\$3.29
03950	77	\$3.29
03960	78	\$3.29
03970	79	\$4.05
03980	80	\$4.05
03990	81	\$8.90
04000	82	\$8.90
04010	83	\$9.75
04020	84	\$9.75
04030	85	\$9.75
04040	86	\$11.29
04050	87	\$11.29
04060	88	\$14.36
04070	89	\$14.36
04080	90	\$14.36
04090	91	\$14.36
04100	92	\$14.36
04110	93	\$14.36
04120	94	\$17.68
04130	95	\$17.68
04140	96	\$19.71
04150	97	\$32.84

Carded			Type 100		
Part No.	Size	Price	Part No.	Size	Price
02787	1/16	\$4.12	02927	9/32	\$4.68
02797	5/64	\$4.12	02937	19/64	\$5.07
02807	3/32	\$4.12	02947	5/16	\$5.35
02817	7/64	\$4.39	02957	21/64	\$5.67
02827	1/8	\$4.68	02967	11/32	\$6.66
02837	9/64	\$3.63	02977	23/64	\$7.35
02847	5/32	\$3.74	02987	3/8	\$7.51
02857	11/64	\$4.08	02997	25/64	\$8.36
02867	3/16	\$4.62	03007	13/32	\$8.52
02877	13/64	\$5.06	03017	27/64	\$9.35
02887	7/32	\$5.57	03027	7/16	\$10.00
02897	15/64	\$5.92	03037	29/64	\$11.60
02907	1/4	\$6.59	03047	15/32	\$11.76
02917	17/64	\$4.23	03057	31/64	\$12.25
			03067	1/2	\$12.44

Type 100 Sets

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

Part No.	Size	Price
43400	J-10	\$22.17
43410	J-11	\$45.25
43430	J-13	\$31.36
43450	J-15	\$86.80
43460	J-20	\$53.98
43480	J-21	\$77.16
43500	J-26	\$159.62
43520	J-29	\$160.78
43540	J-60	\$113.72
43550	J-115	\$471.17

Type 100 Sets/Displays

Bright		
Part No.	Size	Price
44260	PL-7	\$16.15
44270	PL-10	\$21.69
44280	PL-13	\$27.63

300 Piece Assortments		
Part No.	Size	Price
54720	300-BR	\$1,048.66

Fractional Drills - 96 Piece Assortment		
Part No.	Size	Price
54690	96-BR	\$487.60

Wire Gauge Drills - 249 Piece Assortment		
Part No.	Size	Price
54700	249-BR	\$512.48

Letter Drills - 72 Piece Assortment		
Part No.	Size	Price
54710	72-BR	\$487.60

High Helix Flutes Type 190-SS

135° Split Point

High Helix Flutes design allows for increased feed rates. Recommended for stainless steel, aluminum, brass and other non-ferrous metals.



Part #	Size	Price
41301	1/16	\$1.63
41311	5/64	\$1.63
41321	3/32	\$1.66
41331	7/64	\$1.76
41341	1/8	\$1.99
41351	9/64	\$2.09
41361	5/32	\$2.21
41371	11/64	\$2.30
41381	3/16	\$2.73
41391	13/64	\$2.96
41401	7/32	\$3.03
41411	15/64	\$3.25
41421	1/4	\$3.52
41431	17/64	\$4.18

1/4" Reduced Shank Type 120

118° Point - General Purpose

Bright Finish - Shorter than Jobber Length

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



Fractional		
Part No.	Size	Price
28800	17/64	\$4.61
28810	9/32	\$4.61
28820	19/64	\$5.47
28830	5/16	\$5.47
28840	21/64	\$6.51
28850	11/32	\$6.51
28860	23/64	\$7.55
28870	3/8	\$7.55
28880	25/64	\$8.92
28890	13/32	\$8.92
28900	27/64	\$10.16
28910	7/16	\$10.16
28920	29/64	\$11.87
28930	15/32	\$11.87
28940	31/64	\$12.75
28950	1/2	\$12.75

Carded			Type 120		
Part#	Size	Price	Part#	Size	Price
28807	17/64	\$5.03	28887	25/64	\$9.56
28817	9/32	\$5.03	28897	13/32	\$9.56
28827	19/64	\$5.91	28907	27/64	\$10.78
28837	5/16	\$5.91	28917	7/16	\$10.78
28847	21/64	\$7.12	28927	29/64	\$12.60
28857	11/32	\$7.12	28937	15/32	\$12.60
28867	23/64	\$8.18	28947	31/64	\$13.49
28877	3/8	\$8.18	28957	1/2	\$13.49

Type 120 Sets

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

Part No.	Size	Price
43580	Q-15	\$92.43
43600	Q-21	\$83.00
43620	Q-29	\$174.36
47080	DC-4N	\$36.60
47090	DC-5N	\$39.78

Part #	Size	Price
41441	9/32	\$4.50
41451	19/64	\$5.07
41461	5/16	\$5.38
41471	21/64	\$5.76
41481	11/32	\$6.79
41491	23/64	\$7.22
41501	3/8	\$7.87
41511	25/64	\$8.60
41521	13/32	\$9.09
41531	27/64	\$9.49
41541	7/16	\$10.66
41551	29/64	\$11.80
41561	15/32	\$12.54
41571	31/64	\$12.90
41581	1/2	\$13.24

Sets		
Part No.	Size	Price
41591	SS-13	\$40.49
41601	SS-15	\$104.15
41611	SS-29	\$186.05
41621	SS-29P Ultra Dex	\$188.61

3/8" Reduced Shank Type 128

118° Point General Purpose -

Bright Finish High-Speed Steel

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



Fractional		
Part No.	Size	Price
59570	25/64	\$11.70
59580	13/32	\$10.77
59590	27/64	\$12.14
59500	7/16	\$10.98
59600	29/64	\$12.91
59510	15/32	\$12.38
59610	31/64	\$14.69
59520	1/2	\$13.93
59530	17/32	\$28.55
59540	9/16	\$29.66
59550	19/32	\$32.25
59560	5/8	\$32.48

Carded			Type 128		
Part#	Size	Price	Part#	Size	Price
59577	25/64	\$12.39	59607	29/64	\$13.65
59587	13/32	\$11.45	59517	15/32	\$13.14
59597	27/64	\$12.82	59617	31/64	\$15.54
59507	7/16	\$11.73	59527	1/2	\$14.78

Type 128 Sets

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

Part No.	Size	Price
44540	R-15	\$98.87
44530	R-29	\$178.07
44550	R-29P	\$183.78
44520	R-115	\$489.52

Proudly Manufactured in the U.S.A.

Type 115

118° Point - High Speed Steel

General Purpose - Black Oxide

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



Fractional		
Part No.	Size	Price
01000	1/64	\$5.21
01010	1/32	\$2.31
01020	3/64	\$1.57
01030	1/16	\$1.29
01040	5/64	\$1.29
01050	3/32	\$1.29
01060	7/64	\$1.31
01070	1/8	\$1.42
01080	9/64	\$1.58
01090	5/32	\$1.63
01100	11/64	\$1.80
01110	3/16	\$2.08
01120	13/64	\$2.30
01130	7/32	\$2.53
01140	15/64	\$2.73
01150	1/4	\$3.06
01160	17/64	\$3.79
01170	9/32	\$4.21
01180	19/64	\$4.61
01190	5/16	\$4.73
01200	21/64	\$5.21
01210	11/32	\$6.04
01220	23/64	\$6.67
01230	3/8	\$6.87
01240	25/64	\$7.69
01250	13/32	\$7.86
01260	27/64	\$8.69
01270	7/16	\$9.34
01280	29/64	\$10.84
01290	15/32	\$11.00
01300	31/64	\$11.48
01310	1/2	\$11.64
01320	33/64	\$23.20
01330	17/32	\$24.28
01340	35/64	\$26.26
01350	9/16	\$27.52
01360	37/64	\$27.61
01370	19/32	\$28.33
01380	39/64	\$31.12
01390	5/8	\$30.39
01400	41/64	\$32.18
01410	21/32	\$32.14
01420	43/64	\$37.78
01430	11/16	\$36.91
12370	3/4	\$41.36

Letter		
Part No.	Size	Price
02410	A	\$3.06
02420	B	\$3.06
02430	C	\$2.99
02440	D	\$2.99
02450	E	\$3.06
02460	F	\$3.62
02470	G	\$3.88
02480	H	\$3.95
02490	I	\$3.95
02500	J	\$4.46
02510	K	\$4.46
02520	L	\$4.94
02530	M	\$5.21
02540	N	\$5.21
02550	O	\$5.25
02560	P	\$5.71

Continued Type 115 - Letter on page 8.

Jobber Length Drills

General Purpose & V- line



Type 115

118° Point - HSS
General Purpose - Black Oxide

Part #	Letter	Price
02570	Q	\$5.85
02580	R	\$6.11
02590	S	\$7.02
02600	T	\$7.02
02610	U	\$7.11
02620	V	\$7.20
02630	W	\$8.00
02640	X	\$9.17
02650	Y	\$9.59
02660	Z	\$10.66

Part No.	Size	Price
01440	1	\$2.99
01450	2	\$2.99
01460	3	\$2.99
01470	4	\$2.99
01480	5	\$2.99
01490	6	\$2.99
01500	7	\$2.20
01510	8	\$2.20
01520	9	\$2.42
01530	10	\$2.42
01540	11	\$2.42
01550	12	\$2.42
01560	13	\$2.14
01570	14	\$2.14
01580	15	\$2.14
01590	16	\$2.14
01600	17	\$2.14
01610	18	\$1.91
01620	19	\$1.91
01630	20	\$1.91
01640	21	\$1.74
01650	22	\$1.74
01660	23	\$1.74
01670	24	\$1.74
01680	25	\$1.58
01690	26	\$1.58
01700	27	\$1.58
01710	28	\$1.58
01720	29	\$1.58
01730	30	\$1.58
01740	31	\$1.47
01750	32	\$1.47
01760	33	\$1.47
01770	34	\$1.47
01780	35	\$1.42
01790	36	\$1.42
01800	37	\$1.42
01810	38	\$1.42
01820	39	\$1.42
01830	40	\$1.42
01840	41	\$1.42
01850	42	\$1.44
01860	43	\$1.44
01870	44	\$1.44
01880	45	\$1.44
01890	46	\$1.44
01900	47	\$1.44
01910	48	\$1.44
01920	49	\$1.44
01930	50	\$1.44
01940	51	\$1.44

Part No.	Size	Price
01950	52	\$1.44
01960	53	\$1.57
01970	54	\$1.57
01980	55	\$1.57
01990	56	\$1.57
02000	57	\$1.59
02010	58	\$1.59
02020	59	\$1.59
02030	60	\$1.59
02040	61	\$2.04
02050	62	\$2.04
02060	63	\$2.04
02070	64	\$2.04
02080	65	\$2.04
02090	66	\$2.04
02100	67	\$2.04
02110	68	\$2.48
02120	69	\$2.62
02130	70	\$2.62
02140	71	\$3.29
02150	72	\$3.29
02160	73	\$3.29
02170	74	\$3.29
02180	75	\$3.29
02190	76	\$3.29
02200	77	\$3.29
02210	78	\$3.29
02220	79	\$4.05
02230	80	\$4.05

Part No.	Size	Price
01037	1/16	\$4.12
01047	5/64	\$4.12
01057	3/32	\$4.12
01067	7/64	\$4.39
01077	1/8	\$4.68
01087	9/64	\$3.63
01097	5/32	\$3.74
01107	11/64	\$4.08
01117	3/16	\$4.62
01127	13/64	\$5.06
01137	7/32	\$5.57
01147	15/64	\$5.92
01157	1/4	\$6.59
01167	17/64	\$4.23

Type 115 Sets/Displays Black Oxide - General Purpose

Part No.	Size	Price
42000	B-10	\$22.17
42010	B-11	\$45.25
42020	B-13	\$31.36
42030	B-15	\$86.80
42040	B-20	\$53.98
42050	B-21	\$77.16
42060	B-26	\$159.62
42070	B-29	\$160.78
42080	B-60	\$113.72
43300	B-80	\$268.83
43310	B-114	\$476.60
43440	B-115	\$471.17

Continued on the next Column

Type 115 Sets/Displays

Black Oxide - General Purpose

Part No.	Size	Price
54750	300-BL	\$1,048.66

Part No.	Size	Price
54760	96-BL	\$487.60

Part No.	Size	Price
54770	249-BL	\$512.48

Part No.	Size	Price
54780	72-BL	\$487.60

Type 118

V-line - 118° Point
General Purpose - Black Oxide

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

American made value line drill.



Part No.	Size	Price
02783	1/16	\$1.30
02793	5/64	\$1.30
02803	3/32	\$1.30
02813	7/64	\$1.21
02823	1/8	\$1.28
02833	9/64	\$1.44
02843	5/32	\$1.50
02853	11/64	\$1.63
02863	3/16	\$1.89
02873	13/64	\$2.09
02883	7/32	\$2.32
02893	15/64	\$2.47
02903	1/4	\$2.78
02913	17/64	\$3.42
02923	9/32	\$3.78
02933	19/64	\$4.16
02943	5/16	\$4.24
02953	21/64	\$4.70
02963	11/32	\$5.46
02973	23/64	\$6.00
02983	3/8	\$6.19
02993	25/64	\$6.92
03003	13/32	\$7.06
03013	27/64	\$7.83
03023	7/16	\$8.41
03033	29/64	\$9.74
03043	15/32	\$9.90
03053	31/64	\$10.34
03063	1/2	\$10.48

Type 118 Sets

Black Oxide - General Purpose

Part No.	Size	Price
06073	SJ-13	\$28.69
06083	SJ-15	\$79.93
06093	SJ-21	\$72.38
06103	SJ-29	\$145.68

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

Automotive Series Tang Drive Type 230

General Purpose -118° Point
Black Oxide

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



Fractional		
Part No.	Size	Price
13300	1/8	\$2.01
13360	9/64	\$2.01
13400	5/32	\$2.31
13440	11/64	\$2.67
13490	3/16	\$2.99
13540	13/64	\$3.40
13570	7/32	\$3.74
13600	15/64	\$3.96
13630	1/4	\$4.30
13670	17/64	\$5.16
13700	9/32	\$5.71
13730	19/64	\$6.10
13760	5/16	\$6.59
13790	21/64	\$7.27
13820	11/32	\$7.69
13850	23/64	\$8.63
13870	3/8	\$9.15
13890	25/64	\$10.13
13910	13/32	\$10.56
13920	27/64	\$11.91
13930	7/16	\$12.44
13940	29/64	\$14.27
13950	15/32	\$15.14
13960	31/64	\$15.93
13970	1/2	\$15.93
13980	33/64	\$27.02
13990	17/32	\$28.43
14000	35/64	\$31.02
14010	9/16	\$33.00
14020	37/64	\$33.42
14030	19/32	\$33.42
14040	39/64	\$36.33
14050	5/8	\$36.33
14060	41/64	\$38.36
14070	21/32	\$38.36
14080	43/64	\$44.31
14090	11/16	\$44.31

Cutting Tool Lubricant Type 11-AG

Ultra S/P™ Super Premium

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

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



Part No.	Size	Price
96050	12 - 4 OZ.	\$4.61 ea.
96060	48 - 4 OZ.	\$4.40 ea.
96070	12 - 16 OZ.	\$14.20 ea.
96071	Display/ 8 - 4 OZ.	\$37.32

High Helix Fast Spiral Type 240-F

Bright Finish 118° Point
High-Speed Steel

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



Fractional		
Part No.	Size	Price
06550	1/32	\$4.56
06560	3/64	\$4.13
06570	1/16	\$4.13
06580	5/64	\$4.13
06590	3/32	\$1.91
06600	7/64	\$1.91
06610	1/8	\$1.91
06620	9/64	\$1.91
06630	5/32	\$2.08
06640	11/64	\$2.45
06650	3/16	\$2.84
06660	13/64	\$3.06
06670	7/32	\$3.52
06680	15/64	\$3.72
06690	1/4	\$3.86
06700	17/64	\$4.87
06710	9/32	\$5.21
06720	19/64	\$5.63
06730	5/16	\$6.21
06740	21/64	\$6.76
06750	11/32	\$7.63
06760	23/64	\$8.91
06770	3/8	\$9.32
06780	25/64	\$10.48
06790	13/32	\$10.89
06800	27/64	\$12.24
06810	7/16	\$12.89
06820	29/64	\$13.21
06830	15/32	\$14.14
06840	31/64	\$14.97
06850	1/2	\$14.97

Letter		
Part No.	Size	Price
07660	A	\$4.12
07670	B	\$4.12
07680	C	\$4.12
07690	D	\$4.12
07700	E	\$3.86
07710	F	\$4.68
07720	G	\$5.00
07730	H	\$5.00
07740	I	\$5.00
07750	J	\$5.38
07760	K	\$5.81
07770	L	\$5.79
07780	M	\$6.21
07790	N	\$6.21
07800	O	\$6.21
07810	P	\$7.13
07820	Q	\$7.13
07830	R	\$8.02
07840	S	\$8.02
07850	T	\$9.23
07860	U	\$9.23
07870	V	\$9.96
07880	W	\$10.75
07890	X	\$11.69
07900	Y	\$13.59
07910	Z	\$14.04

Wire		
Part No.	Size	Price
06860	1	\$3.88
06870	2	\$3.88
06880	3	\$3.72
06890	4	\$3.72
06900	5	\$3.72
06910	6	\$3.72
06920	7	\$3.14
06930	8	\$3.14
06940	9	\$3.14
06950	10	\$3.14
06960	11	\$2.97
06970	12	\$2.97
06980	13	\$2.84
06990	14	\$2.84
07000	15	\$2.84
07010	16	\$2.84
07020	17	\$2.84
07030	18	\$2.45
07040	19	\$2.45
07050	20	\$2.45
07060	21	\$2.20
07070	22	\$2.20
07080	23	\$2.08
07090	24	\$2.04
07100	25	\$2.01
07110	26	\$2.01
07120	27	\$2.01
07130	28	\$1.91
07140	29	\$1.91
07150	30	\$1.91
07160	31	\$1.91
07170	32	\$1.91
07180	33	\$1.91
07190	34	\$1.91
07200	35	\$1.91
07210	36	\$1.91
07220	37	\$1.91
07230	38	\$1.91
07240	39	\$1.91
07250	40	\$1.91
07260	41	\$1.91
07270	42	\$3.67
07280	43	\$4.78
07290	44	\$4.78
07300	45	\$4.78
07310	46	\$4.78
07320	47	\$4.78
07330	48	\$4.78
07340	49	\$4.78
07350	50	\$4.78
07360	51	\$4.78
07370	52	\$4.78
07380	53	\$4.78
07390	54	\$4.78
07400	55	\$4.78
07410	56	\$4.78
07420	57	\$4.78
07430	58	\$4.78
07440	59	\$4.78
07450	60	\$4.78

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

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

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

Jobber Length Drills



Heavy-Duty, Titanium Nitride

Parabolic Flute

Type 190-P

Heavy-Duty - 135° Split Point - Black Oxide

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



Fractional		
Part No.	Size	Price
36800	1/16	\$2.16
36810	5/64	\$2.16
36820	3/32	\$2.01
36830	7/64	\$2.13
36840	1/8	\$2.19
36850	9/64	\$2.21
36860	5/32	\$2.32
36870	11/64	\$2.41
36880	3/16	\$2.88
36890	13/64	\$3.20
36900	7/32	\$3.42
36910	15/64	\$3.66
36920	1/4	\$3.95
36930	17/64	\$4.91
36940	9/32	\$5.02
36950	19/64	\$5.70
36960	5/16	\$6.09
36970	21/64	\$6.86
36980	11/32	\$7.73
36990	23/64	\$8.57
37000	3/8	\$8.98
37010	25/64	\$10.12
37020	13/32	\$10.46
37030	27/64	\$11.58
37040	7/16	\$11.98
37050	29/64	\$13.49
37060	15/32	\$14.25
37070	31/64	\$15.13
37080	1/2	\$15.37

Wire		
Part No.	Size	Price
68161	1	\$4.48
68171	2	\$4.48
38171	3	\$4.15
68181	4	\$4.15
68191	5	\$4.15
68201	6	\$4.15
58421	7	\$3.71
68211	8	\$3.71
68221	9	\$3.71
68231	10	\$3.47
68241	11	\$3.20
68251	12	\$3.20
68261	13	\$3.11
68271	14	\$3.11
68281	15	\$3.11
68291	16	\$3.11
68301	17	\$3.11
58591	18	\$2.74
68311	19	\$2.74
58381	20	\$2.74
58721	21	\$2.57
68321	22	\$2.57
68331	23	\$2.53
68341	24	\$2.53
58901	25	\$2.46
68351	26	\$2.46
68361	27	\$2.46
68371	28	\$2.30
37321	29	\$2.29
68381	30	\$2.30

Wire (Continued)		
Part No.	Size	Price
68391	31	\$2.30
68401	32	\$2.30
58441	33	\$2.29
68411	34	\$2.30
68421	35	\$2.30
58581	36	\$2.29
37721	37	\$2.29
68431	38	\$2.30
58451	39	\$2.29
38321	40	\$2.29

Letter		
Part No.	Size	Price
70880	A	\$5.58
70890	B	\$5.58
70900	C	\$5.58
70910	D	\$5.45
71950	E	\$3.95
58481	F	\$5.91
70920	G	\$6.28
70930	H	\$6.40
70940	I	\$6.40
70950	J	\$6.62
71960	K	\$7.29
70960	L	\$7.29
70970	M	\$7.83
70980	N	\$7.83
70990	O	\$7.83
71000	P	\$8.60
71010	Q	\$8.69
71020	R	\$8.79
71030	S	\$9.40
71040	T	\$10.42
71050	U	\$10.42
71060	V	\$10.61
71070	W	\$11.04
72000	X	\$12.94
71080	Y	\$14.97
71090	Z	\$15.27

Type 190-P Sets

Heavy-Duty - 135° Split Point - Black Oxide

Part No.	Size	Price
68080	P-13	\$41.04
68100	P-15	\$109.86
68120	P-21	\$99.70
68150	P-29	\$202.04

Parabolic Flute

Type 190-PT

Heavy-Duty - Parabolic Flute 135° Split Point - Titanium Nitride

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



Fractional		
Part No.	Size	Price
37870	1/16	\$4.08
37880	5/64	\$4.12
37890	3/32	\$4.12
37900	7/64	\$4.25
37910	1/8	\$4.31
37920	9/64	\$4.94
37930	5/32	\$5.05
37940	11/64	\$5.10
37950	3/16	\$5.53
37960	13/64	\$7.39
37970	7/32	\$7.63
37980	15/64	\$7.83

Fractional (Continued)		
Part No.	Size	Price
37990	1/4	\$8.12
38000	17/64	\$11.47
38010	9/32	\$11.60
38020	19/64	\$12.25
38030	5/16	\$12.62
38040	21/64	\$14.64
38050	11/32	\$15.45
38060	23/64	\$16.22
38070	3/8	\$16.58
38080	25/64	\$18.99
38090	13/32	\$19.30
38100	27/64	\$20.38
38110	7/16	\$20.73
38120	29/64	\$23.43
38130	15/32	\$24.15
38140	31/64	\$24.93
38150	1/2	\$25.20

Wire		
Part No.	Size	Price
68162	1	\$8.63
68172	2	\$8.63
38172	3	\$7.96
68182	4	\$8.23
68192	5	\$8.23
68202	6	\$8.23
58422	7	\$7.66
68212	8	\$7.72
68222	9	\$7.72
68232	10	\$7.66
68242	11	\$7.45
68252	12	\$7.45
68272	14	\$5.89
68282	15	\$5.89
68292	16	\$5.89
68302	17	\$5.89
58592	18	\$5.19
68312	19	\$5.53
58382	20	\$5.19
58722	21	\$5.00
68322	22	\$5.37
68332	23	\$5.42
68342	24	\$5.37
58902	25	\$5.00
68352	26	\$5.00
68362	27	\$5.00
68372	28	\$4.80
37322	29	\$5.00
68382	30	\$4.80
68392	31	\$4.21
68402	32	\$4.21
58442	33	\$4.21
68412	34	\$4.21
68422	35	\$4.21
58582	36	\$4.21
37722	37	\$4.21
68432	38	\$4.21
58452	39	\$4.21
38322	40	\$4.21

Letter		
Part No.	Size	Price
58372	A	\$8.80
58402	B	\$8.80
58412	C	\$8.80
58462	D	\$8.62
58472	E	\$8.32
58482	F	\$11.47
58492	G	\$11.84
58512	H	\$11.96
58532	I	\$11.96
58542	J	\$12.16
58552	K	\$12.62

Continued Type 190-PT Letter on page 11.

Parabolic Flute

Type 190-PT

Heavy-Duty - Parabolic Flute
 135° Split Point - Titanium Nitride

Letter		
Part No.	Size	Price
58562	L	\$12.62
58572	M	\$13.11
58602	N	\$13.11
58612	O	\$14.45
58622	P	\$15.08
58632	Q	\$15.26
58642	R	\$15.55
58652	S	\$16.12
58662	T	\$17.08
58672	U	\$16.94
58732	V	\$18.49
58682	W	\$18.92
58692	X	\$20.57
58702	Y	\$22.61
58712	Z	\$22.88

Set		
Part No.	Size	Price
68090	PT-13	\$80.41
68110	PT-15	\$198.02
68130	PT-21	\$198.75
68160	PT-29	\$376.68

M42 Cobalt NAS 907J

Type 150

135° Split Point - Heavy-Duty

Heavy-duty 135° split point with gold finish for use in drilling hard tough metals, free machining stainless steel, high temperature alloys, titanium and certain plastics. **Manufactured to NAS 907J specifications**



Fractional		
Part No.	Size	Price
08000	3/64	\$2.41
08010	1/16	\$2.28
08020	5/64	\$2.28
08030	3/32	\$2.28
08040	7/64	\$2.42
08050	1/8	\$2.91
08060	9/64	\$3.03
08070	5/32	\$3.34
08080	11/64	\$3.44
08090	3/16	\$3.88
08100	13/64	\$4.89
08110	7/32	\$5.33
08120	15/64	\$5.74
08130	1/4	\$6.04
08140	17/64	\$7.19
08150	9/32	\$7.52
08160	19/64	\$8.96
08170	5/16	\$9.64
08180	21/64	\$10.65
08190	11/32	\$11.73
08200	23/64	\$13.75
08210	3/8	\$14.04
08220	25/64	\$15.95
08230	13/32	\$16.81
08240	27/64	\$18.06
08250	7/16	\$18.69
08260	29/64	\$22.98
08270	15/32	\$23.32
08280	31/64	\$24.06
08290	1/2	\$24.37

Letter		
Part No.	Size	Price
08940	A	\$6.04
08950	B	\$6.87
08960	C	\$6.87
08970	D	\$6.87
08980	E	\$6.04

Letter		
Part No.	Size	Price
08990	F	\$7.11
09000	G	\$7.11
09010	H	\$7.97
09020	I	\$7.50
09030	J	\$7.97
09040	K	\$7.97
09050	L	\$8.90
09060	M	\$9.61
09070	N	\$9.64
09080	O	\$10.61
09090	P	\$11.45
09100	Q	\$11.60
09110	R	\$11.60
09120	S	\$14.48
09130	T	\$14.48
09140	U	\$14.48
09150	V	\$16.59
09160	W	\$16.87
09170	X	\$16.87
09180	Y	\$18.01
09190	Z	\$19.56

Wire		
Part No.	Size	Price
08300	1	\$6.30
08310	2	\$6.30
08320	3	\$5.65
08330	4	\$5.91
08340	5	\$5.91
08350	6	\$5.91
08360	7	\$4.54
08370	8	\$4.61
08380	9	\$4.61
08390	10	\$4.61
08400	11	\$4.95
08410	12	\$4.85
08420	13	\$4.23
08430	14	\$4.33
08440	15	\$4.33
08450	16	\$4.03
08460	17	\$3.96
08470	18	\$3.62
08480	19	\$3.51
08490	20	\$3.39
08500	21	\$3.23
08510	22	\$3.51
08520	23	\$3.51
08530	24	\$3.53
08540	25	\$3.21
08550	26	\$3.14
08560	27	\$3.19
08570	28	\$2.99
08580	29	\$2.91
08590	30	\$2.69
08600	31	\$2.65
08610	32	\$2.57
08620	33	\$2.49
08630	34	\$2.49
08640	35	\$2.49
08650	36	\$2.43
08660	37	\$2.43
08670	38	\$2.32
08680	39	\$2.32
08690	40	\$2.32
08700	41	\$2.28
08710	42	\$2.19
08720	43	\$2.19
08730	44	\$2.19
08740	45	\$2.19
08750	46	\$2.19
08760	47	\$2.19
08770	48	\$2.19
08780	49	\$2.19
08790	50	\$2.19
08800	51	\$2.19
08810	52	\$2.19
08820	53	\$2.43

Wire		
08830	54	\$2.43
08840	55	\$2.43
08850	56	\$2.43
08860	57	\$2.72
08870	58	\$2.72
08880	59	\$2.72
08890	60	\$2.72
08900	61	\$6.39
08910	62	\$6.39
08921	63	\$6.39
08931	64	\$6.39
08941	65	\$6.39
08951	66	\$6.39
08961	67	\$6.39
08971	68	\$6.39
08981	69	\$7.59
08991	70	\$7.59
09001	71	\$7.90
09011	72	\$7.90
09021	73	\$7.90
09031	74	\$7.90
09041	75	\$7.90
09051	76	\$7.90
09061	77	\$7.90
09071	78	\$7.90
09081	79	\$8.37
09091	80	\$8.37

Carded			Type 150		
Part No.	Size	Price	Part No.	Size	Price
08007	3/64	\$7.58	08157	9/32	\$8.02
08017	1/16	\$7.24	08167	19/64	\$9.41
08027	5/64	\$7.24	08177	5/16	\$10.30
08037	3/32	\$7.24	08187	21/64	\$11.13
08047	7/64	\$7.64	08197	11/32	\$12.42
08057	1/8	\$9.11	08207	23/64	\$14.42
08067	9/64	\$6.54	08217	3/8	\$14.71
08077	5/32	\$7.15	08227	25/64	\$16.79
08087	11/64	\$7.37	08237	13/32	\$17.68
08097	3/16	\$8.24	08247	27/64	\$18.95
08107	13/64	\$10.25	08257	7/16	\$19.57
08117	7/32	\$11.15	08267	29/64	\$23.83
08127	15/64	\$11.94	08277	15/32	\$24.17
08137	1/4	\$12.56	08287	31/64	\$24.91
08147	17/64	\$7.66	08297	1/2	\$25.25

M42 Cobalt NAS 907J

Type 150 - Sets/Displays

135° Split Point - Heavy-Duty

Part No.	Size	Price
68320	D-13	\$58.41
68340	D-15	\$175.13
68310	D-20	\$158.34
68360	D-21	\$154.96
68380	D-26	\$292.46
68400	D-29	\$328.97
68410	D-29P	\$335.75
68420	D-60	\$209.80
69280	D-115	\$831.21

300 Piece Countertop Displays

Part No.	Size	Price
68460	300-D	\$2,046.53

Fractional Drills - 96 Piece Assortment

Part No.	Size	Price
68440	96-D	\$824.57

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

Jobber Length Drills



M42 Cobalt, Titanium Nitride & Titanium Aluminum Nitride

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

135° Split Point - Heavy-Duty

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

Manufactured to NAS 907J specifications

Fractional		
Part No.	Size	Price
79600	1/16	\$4.53
79610	5/64	\$4.50
79620	3/32	\$4.50
79630	7/64	\$4.76
79640	1/8	\$5.29
79650	9/64	\$5.43
79660	5/32	\$5.79
79670	11/64	\$6.11
79680	3/16	\$6.51
79690	13/64	\$8.73
79700	7/32	\$9.23
79710	15/64	\$9.58
79720	1/4	\$10.00
79730	17/64	\$11.90
79740	9/32	\$12.22
79750	19/64	\$13.75
79760	5/16	\$14.42
79770	21/64	\$16.57
79780	11/32	\$17.64
79790	23/64	\$19.76
79800	3/8	\$20.03
79810	25/64	\$23.32
79820	13/32	\$24.10
79830	27/64	\$25.87
79840	7/16	\$26.31
79850	29/64	\$31.36
79860	15/32	\$31.74
79870	31/64	\$33.95
79880	1/2	\$32.50

Letter		
Part No.	Size	Price
79320	A	\$9.10
79330	B	\$9.92
79340	C	\$9.92
79350	D	\$9.92
79360	E	\$10.00
79370	F	\$10.40
79380	G	\$10.40
79390	H	\$11.23
79400	I	\$12.22
79410	J	\$12.00
79420	K	\$12.00
79430	L	\$12.90
79440	M	\$13.59
79450	N	\$13.62
79460	O	\$14.56
79470	P	\$15.38
79480	Q	\$15.53
79490	R	\$15.53
79500	S	\$18.34
79510	T	\$18.96
79520	U	\$18.96
79530	V	\$21.03
79540	W	\$21.30
79550	X	\$22.02
79560	Y	\$23.13
79570	Z	\$24.64

Wire		
Part No.	Size	Price
77001	1	\$9.66
77011	2	\$9.66
77021	3	\$8.98
77031	4	\$9.25
77041	5	\$9.25
77051	6	\$9.25
77061	7	\$7.84
77071	8	\$7.90
77081	9	\$7.90
77091	10	\$7.90
77101	11	\$8.26
77111	12	\$8.16
77121	13	\$6.68
77131	14	\$6.79
77141	15	\$6.79

Wire - Continued		
77151	16	\$6.47
77161	17	\$6.40
77171	18	\$6.05
77181	19	\$5.93
77191	20	\$5.81
77201	21	\$5.65
77211	22	\$5.93
77221	23	\$5.93
77231	24	\$5.96
77241	25	\$5.63
77251	26	\$5.54
77261	27	\$5.60
77271	28	\$5.39
77281	29	\$5.32
77291	30	\$5.08
77301	31	\$5.05
77311	32	\$4.94
77321	33	\$4.88
77331	34	\$4.88
77341	35	\$4.88
77351	36	\$4.88
77361	37	\$4.88
77371	38	\$4.64
77381	39	\$4.70
77391	40	\$4.70
77401	41	\$4.64
77411	42	\$4.56
77421	43	\$4.56
77431	44	\$4.56
77441	45	\$4.56
77451	46	\$4.56
77461	47	\$4.56
77471	48	\$4.56
77481	49	\$4.56
77491	50	\$4.56
77501	51	\$4.56
77511	52	\$4.56
77521	53	\$4.81
77531	54	\$4.81
77541	55	\$4.81
77551	56	\$4.81
77561	57	\$5.11
77571	58	\$5.11
77581	59	\$5.11
77591	60	\$5.11

Type 150-N Sets

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

Part No.	Size	Price
79890	DN-13	\$91.63
79900	DN-15	\$237.54
79910	DN-21	\$223.91
79930	DN-26	\$402.48
79920	DN-29	\$455.79
79940	DN-60	\$366.80
79950	DN-115	\$1,262.74

Type 150-ALN Sets

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

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

Part No.	Size	Price
80003	1/16	\$5.43
80013	5/64	\$5.40
80023	3/32	\$5.40
80033	7/64	\$5.71
80043	1/8	\$6.36
80053	9/64	\$6.52
80063	5/32	\$6.95
80073	11/64	\$7.34
80083	3/16	\$7.81
80093	13/64	\$10.48



Fractional - Continued		
80103	7/32	\$11.07
80113	15/64	\$11.49
80123	1/4	\$12.00
80133	17/64	\$14.28
80143	9/32	\$14.67
80153	19/64	\$16.50
80163	5/16	\$17.31
80173	21/64	\$19.89
80183	11/32	\$21.16
80193	23/64	\$23.71
80203	3/8	\$24.04
80213	25/64	\$27.98
80223	13/32	\$28.92
80233	27/64	\$31.05
80243	7/16	\$31.58
80253	29/64	\$37.63
80263	15/32	\$38.08
80273	31/64	\$40.74
80283	1/2	\$39.00

Letter		
Part No.	Size	Price
80293	A	\$10.91
80303	B	\$11.91
80313	C	\$11.91
80323	D	\$11.91
80333	E	\$12.00
80343	F	\$12.48
80353	G	\$12.48
80363	H	\$13.48
80373	I	\$14.67
80383	J	\$14.39
80393	K	\$14.39
80403	L	\$15.48
80413	M	\$16.30
80423	N	\$16.35
80433	O	\$17.47
80443	P	\$18.45
80453	Q	\$18.63
80463	R	\$18.63
80473	S	\$22.02
80483	T	\$22.75
80493	U	\$22.75
80503	V	\$25.24
80513	W	\$25.56
80523	X	\$26.42
80533	Y	\$27.76
80543	Z	\$29.57

Wire		
Part No.	Size	Price
80553	1	\$11.59
80563	2	\$11.59
80573	3	\$10.77
80583	4	\$11.09
80593	5	\$11.09
80603	6	\$11.09
80613	7	\$9.41
80623	8	\$9.48
80633	9	\$9.48
80643	10	\$9.48
80653	11	\$9.91
80663	12	\$9.79
80673	13	\$8.01
80683	14	\$8.14
80693	15	\$8.14
80703	16	\$7.75
80713	17	\$7.68
80723	18	\$7.26
80733	19	\$7.11
80743	20	\$6.97
80753	21	\$6.78
80763	22	\$7.11
80773	23	\$7.11
80783	24	\$7.15
80793	25	\$6.76
80803	26	\$6.65

Continued Type 150-ALN - Wire on page 13

Titanium Nitride, Titanium Carbon Nitride - Heavy Duty

Type 150-ALN Sets

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

Wire		
80813	27	\$6.71
80823	28	\$6.47
80833	29	\$6.38
80843	30	\$6.10
80853	31	\$6.06
80863	32	\$5.93
80873	33	\$5.85
80883	34	\$5.85
80893	35	\$5.85
80903	36	\$5.85
80913	37	\$5.85
80923	38	\$5.56
80933	39	\$5.65
80943	40	\$5.65
80953	41	\$5.56
80963	42	\$5.48
80973	43	\$5.48
80983	44	\$5.48
80993	45	\$5.48
81003	46	\$5.48
81013	47	\$5.48
81023	48	\$5.48
81033	49	\$5.48
81043	50	\$5.48
81053	51	\$5.48
81063	52	\$5.48
81073	53	\$5.78
81083	54	\$5.78
81093	55	\$5.78
81103	56	\$5.78
81113	57	\$6.13
81123	58	\$6.13
81133	59	\$6.13
81143	60	\$6.13

HSS Heavy-Duty NAS 907B Type 190-AN

Titanium Nitride - 135° Split Point

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

Manufactured to NAS 907B specifications



Part No.	Fractional	Size	Price
97890	1/16		\$3.91
97880	5/64		\$3.93
97870	3/32		\$3.93
97860	7/64		\$4.07
97850	1/8		\$4.13
97840	9/64		\$4.73
97830	5/32		\$4.80
97820	11/64		\$4.88
97810	3/16		\$5.28
97800	13/64		\$7.03
97790	7/32		\$7.25
97780	15/64		\$7.46
97770	1/4		\$7.74
97760	17/64		\$10.95
97750	9/32		\$11.08
97740	19/64		\$11.71
97730	5/16		\$12.06
97720	21/64		\$13.97
97710	11/32		\$14.77
97700	23/64		\$15.49
97690	3/8		\$15.84
97680	25/64		\$18.10
97670	13/32		\$18.42
97660	27/64		\$19.44
97650	7/16		\$19.78
97640	29/64		\$22.36
97630	15/32		\$23.05
97620	31/64		\$23.81
97610	1/2		\$24.04

Part No.	Letter	Size	Price
95710	A		\$8.22
95700	B		\$8.22
95690	C		\$8.22
95680	D		\$8.04
95670	E		\$7.74
95660	F		\$10.89
95650	G		\$11.26
95640	H		\$11.40
95630	I		\$11.40
95620	J		\$11.61
95610	K		\$12.21
95600	L		\$12.06
95590	M		\$12.56
95580	N		\$12.56
95570	O		\$13.88
95560	P		\$14.52
95550	Q		\$14.69
95540	R		\$14.98
95530	S		\$15.56
95520	T		\$16.52
95510	U		\$16.37
95500	V		\$18.01
95490	W		\$18.35
95480	X		\$20.01
95470	Y		\$22.04
95460	Z		\$22.31

Part No.	Wire	Size	Price
98520	1		\$7.93
98510	2		\$7.93
98500	3		\$7.63
98490	4		\$7.63
98480	5		\$7.63
98470	6		\$7.63
98460	7		\$7.23
98450	8		\$7.23
98440	9		\$7.23
98430	10		\$7.17
98420	11		\$6.93
98410	12		\$6.93
98400	13		\$5.36
98390	14		\$5.36
98380	15		\$5.36
98370	16		\$5.36
98360	17		\$5.36
98350	18		\$5.02
98340	19		\$5.02
98330	20		\$5.02
98320	21		\$4.85
98310	22		\$4.85
98300	23		\$4.80
98290	24		\$4.80
98280	25		\$4.73
98270	26		\$4.73
98260	27		\$4.73
98250	28		\$4.51
98240	29		\$4.51
98230	30		\$4.51
98220	31		\$3.93
98210	32		\$3.93
98200	33		\$3.93
98190	34		\$3.93
98180	35		\$3.93
98170	36		\$3.93
98160	37		\$3.93
98150	38		\$3.93
98140	39		\$3.93
98130	40		\$3.93
98120	41		\$3.93
98110	42		\$3.93
98100	43		\$3.93
98090	44		\$3.93
98080	45		\$3.93
98070	46		\$3.93
98060	47		\$3.93
98050	48		\$3.93
98040	49		\$3.93
98030	50		\$3.93
98020	51		\$3.93
98010	52		\$3.93

HSS Heavy-Duty NAS 907B

Type 190-AN Sets

Titanium Nitride - 135° Split Point

Part No.	Size	Price
88670	AN-13	\$76.10
88680	AN-15	\$188.59
96740	AN-21	\$188.11
96690	AN-29	\$358.23
96770	AN-29PON Blaze Orange Ultra Dex	\$341.57
96700	AN-60	\$305.75
95110	AN-115	\$1,103.85

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

HSS Heavy-Duty NAS 907B

Type 190ACN

Titanium Carbon Nitride 135° Split Point

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

Manufactured to NAS 907B specifications



Part No.	Fractional	Size	Price
80002	1/16		\$4.59
80012	5/64		\$4.62
80022	3/32		\$4.62
80032	7/64		\$4.76
80042	1/8		\$4.82
80052	9/64		\$5.43
80062	5/32		\$5.53
80072	11/64		\$5.61
80082	3/16		\$6.01
80092	13/64		\$8.25
80102	7/32		\$8.45
80112	15/64		\$8.70
80122	1/4		\$8.97
80132	17/64		\$12.33
80142	9/32		\$12.43
80152	19/64		\$13.07
80162	5/16		\$13.92
80172	21/64		\$15.93
80182	11/32		\$16.75
80192	23/64		\$17.50
80202	3/8		\$18.03
80212	25/64		\$20.42
80222	13/32		\$20.72
80232	27/64		\$21.77
80242	7/16		\$22.49
80252	29/64		\$25.17
80262	15/32		\$25.85
80272	31/64		\$26.67
80282	1/2		\$27.38

Part No.	Letter	Size	Price
80292	A		\$9.64
80302	B		\$9.64
80312	C		\$9.64
80322	D		\$9.43
80332	E		\$9.08
80342	F		\$12.77
80352	G		\$13.21
80362	H		\$13.36
80372	I		\$13.36
80382	J		\$13.61
80392	K		\$14.32
80402	L		\$14.14
80412	M		\$14.72
80422	N		\$14.72
80432	O		\$16.27
80442	P		\$17.03
80452	Q		\$17.23
80462	R		\$17.57
80472	S		\$18.26
80482	T		\$19.36
80492	U		\$19.20
80502	V		\$21.13
80512	W		\$21.53
80522	X		\$23.48
80532	Y		\$25.85
80542	Z		\$26.16

Jobber Length Drills



Titanium Carbon Nitride, Titanium Aluminum Nitride Heavy-Duty

HSS Heavy-Duty NAS 907B Type 190ACN

Titanium Carbon Nitride (TiCN)

135° Split Point

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

Manufactured to NAS 907B specifications

Wire		
Part No.	Size	Price
80552	1	\$9.30
80562	2	\$9.30
80572	3	\$8.95
80582	4	\$8.95
80592	5	\$8.95
80602	6	\$8.95
80612	7	\$8.47
80622	8	\$8.47
80632	9	\$8.47
80642	10	\$8.41
80652	11	\$8.13
80662	12	\$8.13
80672	13	\$6.28
80682	14	\$6.28
80692	15	\$6.28
80702	16	\$6.28
80712	17	\$6.28
80722	18	\$5.89
80732	19	\$5.89
80742	20	\$5.89
80752	21	\$5.69
80762	22	\$5.69
80772	23	\$5.64
80782	24	\$5.64
80792	25	\$5.53
80802	26	\$5.53
80812	27	\$5.53
80822	28	\$5.29
80832	29	\$5.29
80842	30	\$5.29
80852	31	\$4.61
80862	32	\$4.61
80872	33	\$4.61
80882	34	\$4.61
80892	35	\$4.61
80902	36	\$4.61
80912	37	\$4.61
80922	38	\$4.61
80932	39	\$4.61
80942	40	\$4.61
80952	41	\$4.61
80962	42	\$4.61
80972	43	\$4.61
80982	44	\$4.61
80992	45	\$4.61
81002	46	\$4.61
81012	47	\$4.61
81022	48	\$4.61
81032	49	\$4.61
81042	50	\$4.61
81052	51	\$4.61
81062	52	\$4.61

HSS Heavy-Duty NAS 907B Type 190ACN Sets

Titanium Carbon Nitride (TiCN)

135° Split Point

Part No.	Size	Price
81182	TiCN-15	\$213.24
81152	TiCN-21	\$213.01
81162	TiCN-29	\$406.19

HSS Heavy-Duty NAS 907B Type 190ALN

Titanium Aluminum Nitride (TiAlN) 135° Split Point

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

Manufactured to NAS 907B specifications



Fractional		
Part No.	Size	Price
80000	1/16	\$4.59
80010	5/64	\$4.62
80020	3/32	\$4.62
80030	7/64	\$4.76
80040	1/8	\$4.82
80050	9/64	\$5.43
80060	5/32	\$5.53
80070	11/64	\$5.61
80080	3/16	\$6.01
80090	13/64	\$8.25
80100	7/32	\$8.45
80110	15/64	\$8.70
80120	1/4	\$8.97
80130	17/64	\$12.33
80140	9/32	\$12.43
80150	19/64	\$13.07
80160	5/16	\$13.92
80170	21/64	\$15.93
80180	11/32	\$16.75
80190	23/64	\$17.50
80200	3/8	\$18.03
80210	25/64	\$20.42
80220	13/32	\$20.72
80230	27/64	\$21.77
80240	7/16	\$22.49
80250	29/64	\$25.17
80260	15/32	\$25.85
80270	31/64	\$26.67
80280	1/2	\$27.38

Letter		
Part No.	Size	Price
80290	A	\$9.64
80300	B	\$9.64
80310	C	\$9.64
80320	D	\$9.43
80330	E	\$9.08
80340	F	\$12.77
80350	G	\$13.21
80360	H	\$13.36
80370	I	\$13.36
80380	J	\$13.61
80390	K	\$14.32
80400	L	\$14.14
80410	M	\$14.72
80420	N	\$14.72
80430	O	\$16.27
80440	P	\$17.03
80450	Q	\$17.23
80460	R	\$17.57
80470	S	\$18.26
80480	T	\$19.36
80490	U	\$19.20
80500	V	\$21.13
80510	W	\$21.53
80520	X	\$23.48
80530	Y	\$25.85
80540	Z	\$26.16

Wire		
Part No.	Size	Price
80550	1	\$9.30
80560	2	\$9.30
80570	3	\$8.95
80580	4	\$8.95
80590	5	\$8.95
80600	6	\$8.95
80610	7	\$8.47
80620	8	\$8.47
80630	9	\$8.47
80640	10	\$8.41
80650	11	\$8.13
80660	12	\$8.13
80670	13	\$6.28
80680	14	\$6.28
80690	15	\$6.28
80700	16	\$6.28
80710	17	\$6.28
80720	18	\$5.89
80730	19	\$5.89
80740	20	\$5.89
80750	21	\$5.69
80760	22	\$5.69
80770	23	\$5.64
80780	24	\$5.64
80790	25	\$5.53
80800	26	\$5.53
80810	27	\$5.53
80820	28	\$5.29
80830	29	\$5.29
80840	30	\$5.29
80850	31	\$4.61
80860	32	\$4.61
80870	33	\$4.61
80880	34	\$4.61
80890	35	\$4.61
80900	36	\$4.61
80910	37	\$4.61
80920	38	\$4.61
80930	39	\$4.61
80940	40	\$4.61
80950	41	\$4.61
80960	42	\$4.61
80970	43	\$4.61
80980	44	\$4.61
80990	45	\$4.61
81000	46	\$4.61
81010	47	\$4.61
81020	48	\$4.61
81030	49	\$4.61
81040	50	\$4.61
81050	51	\$4.61
81060	52	\$4.61

HSS Heavy-Duty NAS 907B Type 190ALN Sets

Titanium Aluminum Nitride (TiAlN)

135° Split Point

Part No.	Size	Price
81150	ALN-15	\$213.24
81160	ALN-21	\$213.01
81180	ALN-29	\$406.19

HSS Black Oxide 118° Split Point - NAS 907A

Type 340-A

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



Fractional		
Part No.	Size	Price
35730	1/16	\$1.79
35740	5/64	\$1.83
35750	3/32	\$1.83
35760	7/64	\$1.97
35770	1/8	\$2.02
35780	9/64	\$2.04
35790	5/32	\$2.12
35800	11/64	\$2.17
35810	3/16	\$2.63
35820	13/64	\$2.94
35830	7/32	\$3.13
35840	15/64	\$3.35
35850	1/4	\$3.62
35860	17/64	\$4.47
35870	9/32	\$4.61
35880	19/64	\$5.22
35890	5/16	\$5.58
35900	21/64	\$6.29
35910	11/32	\$7.10
35920	23/64	\$7.85
35930	3/8	\$8.19
35940	25/64	\$9.27
35950	13/32	\$9.58
35960	27/64	\$10.62
35970	7/16	\$10.94
35980	29/64	\$12.37
35990	15/32	\$13.06
36000	31/64	\$13.85
36010	1/2	\$14.11
Letter		
Part No.	Size	Price
82750	A	\$3.52
82760	B	\$3.52
82770	C	\$3.34
82780	D	\$3.34
82790	E	\$3.34
82800	F	\$3.81
82810	G	\$3.95
82820	H	\$4.07
82830	I	\$4.07
82840	J	\$4.82
82850	K	\$4.82
82860	L	\$5.51
82870	M	\$5.81
82880	N	\$5.81
82890	O	\$5.81
82900	P	\$6.09
82910	Q	\$6.09
82920	R	\$6.09
82930	S	\$7.11
82940	T	\$7.11
82950	U	\$7.66
82960	V	\$7.66
82970	W	\$8.22
82980	X	\$9.69
82990	Y	\$10.35
83000	Z	\$11.20

Wire		
Part No.	Size	Price
66710	1	\$3.69
57280	2	\$3.69
66700	3	\$3.39
57370	4	\$3.39
95430	5	\$3.39
66690	6	\$3.39
66680	7	\$3.01
66770	8	\$3.01
66760	9	\$3.01
92630	10	\$2.95
66670	11	\$2.72
66220	12	\$2.72
92640	13	\$2.64
66660	14	\$2.64
66650	15	\$2.64
66640	16	\$2.64
57290	17	\$2.64
66810	18	\$2.29
57550	19	\$2.29
66630	20	\$2.29
66620	21	\$2.09
57630	22	\$2.09
66610	23	\$2.07
66720	24	\$2.07
57360	25	\$2.00
66600	26	\$2.00
66750	27	\$2.00
57700	28	\$1.77
66590	29	\$1.77
95420	30	\$1.77
66800	31	\$1.77
66350	32	\$1.77
66580	33	\$1.77
66740	34	\$1.77
57350	35	\$1.77
66570	36	\$1.77
66560	37	\$1.77
66550	38	\$1.77
57560	39	\$1.77
66540	40	\$1.77
66530	41	\$1.82
66520	42	\$1.82
66730	43	\$1.82
66830	44	\$1.82
66790	45	\$1.82
95410	46	\$1.82
66310	47	\$1.82
66780	48	\$1.82
66510	49	\$1.82
66500	50	\$1.82
66300	51	\$1.82
66370	52	\$1.82

TiN Coated - General Purpose

Type 100-BN

118° Point

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



Fractional		
Part No.	Size	Price
97920	1/64	\$5.32
97910	1/32	\$3.95
97900	3/64	\$3.62
22570	1/16	\$3.71
22580	5/64	\$3.74

TiN Coated - General Purpose

Type 100-BN

118° Point

Fractional		
Part No.	Size	Price
22590	3/32	\$3.74
22600	7/64	\$3.87
22610	1/8	\$3.92
22620	9/64	\$4.48
22630	5/32	\$4.58
22640	11/64	\$4.64
22650	3/16	\$4.76
22660	13/64	\$6.69
22670	7/32	\$6.90
22680	15/64	\$7.10
22690	1/4	\$7.37
22700	17/64	\$10.42
22710	9/32	\$10.51
22720	19/64	\$11.13
22730	5/16	\$11.44
22740	21/64	\$13.26
22750	11/32	\$14.02
22760	23/64	\$14.71
22770	3/8	\$15.04
22780	25/64	\$17.21
22790	13/32	\$17.47
22800	27/64	\$18.46
22810	7/16	\$18.77
22820	29/64	\$21.24
22830	15/32	\$21.91
22840	31/64	\$22.63
22850	1/2	\$22.81
32500	33/64	\$28.01
32510	17/32	\$28.92
32520	35/64	\$30.63
32530	9/16	\$30.04
32540	37/64	\$31.49
32550	19/32	\$32.40
32560	39/64	\$34.79
32570	5/8	\$31.52
32580	41/64	\$49.60
32590	21/32	\$49.58
32600	43/64	\$54.38
32610	11/16	\$53.64
32650	3/4	\$71.80
Letter		
Part No.	Size	Price
22890	A	\$7.79
22900	B	\$7.79
22910	C	\$7.79
22920	D	\$7.67
22930	E	\$7.37
22940	F	\$10.35
22950	G	\$10.70
22960	H	\$10.83
22970	I	\$10.83
22980	J	\$11.05
22990	K	\$11.61
23000	L	\$11.44
23010	M	\$11.93
23020	N	\$11.93
23030	O	\$13.19
23040	P	\$13.79
23050	Q	\$13.95
23060	R	\$14.23
23070	S	\$14.78
23080	T	\$15.69
23090	U	\$15.56
23100	V	\$17.12
23110	W	\$17.43
23120	X	\$19.02
23130	Y	\$20.91
23140	Z	\$21.19

Continued Type 100-BN - Wire on page 16

Jobber Length, Mechanic & Screw Machine Length Drills

TiN Coated, Magnum Super Premium

Titanium Nitride - General Purpose

Type 100-BN 118° Point

Wire		
Part No.	Size	Price
47790	1	\$7.51
47800	2	\$7.51
47810	3	\$7.23
47820	4	\$7.23
47830	5	\$7.23
47840	6	\$7.23
47850	7	\$7.23
47860	8	\$6.88
47870	9	\$6.88
47880	10	\$6.82
47890	11	\$6.61
47900	12	\$6.61
47910	13	\$5.10
47920	14	\$5.10
47930	15	\$5.10
47940	16	\$5.10
47950	17	\$5.10
47960	18	\$4.76
47970	19	\$4.76
47980	20	\$4.76
47990	21	\$4.61
48000	22	\$4.61
48010	23	\$4.58
48020	24	\$4.58
48030	25	\$4.48
48040	26	\$4.48
48050	27	\$4.48
48060	28	\$4.26
48070	29	\$4.26
48080	30	\$4.26
48090	31	\$3.74
48100	32	\$3.74
48110	33	\$3.74
48120	34	\$3.74
48130	35	\$3.74
48140	36	\$3.74
48150	37	\$3.74
48160	38	\$3.74
48170	39	\$3.74
48180	40	\$3.74
48190	41	\$3.74
48200	42	\$3.74
48210	43	\$3.74
48220	44	\$3.74
48230	45	\$3.74
48240	46	\$3.74
48250	47	\$3.74
48260	48	\$3.74
48270	49	\$3.74
48280	50	\$3.74
48290	51	\$3.74
48300	52	\$3.74
98000	53	\$3.74
97990	54	\$3.74
97980	55	\$3.74
97970	56	\$3.74
97960	57	\$3.74
97950	58	\$3.74
97940	59	\$3.74
97930	60	\$3.74
81200	61	\$3.19
81210	62	\$3.19
81220	63	\$3.19
81230	64	\$3.19
81240	65	\$3.19
81250	66	\$3.19
81260	67	\$3.19
81270	68	\$3.28
81280	69	\$3.43
81290	70	\$3.43
81300	71	\$3.98

Wire		
Part No.	Size	Price
81310	72	\$3.98
81320	73	\$3.98
81330	74	\$3.98
81340	75	\$3.98
81350	76	\$3.98
81360	77	\$3.98
81370	78	\$3.98
81380	79	\$4.61
81390	80	\$4.61

Type 100-BN Sets

Titanium Nitride - 118° Point

Part No.	Size	Price
48310	BN-13	\$72.63
48320	BN-15	\$179.95
48360	BN-20	\$140.66
48330	BN-29	\$341.08
48340	BN-60	\$291.08
48350	BN-115	\$1,052.85

Mechanic Length Drills

Type 175-AG

Magnum Super Premium

3-Flats on Shank - 135° Split Point

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



3-Flats on Shank		
Part No.	Size	Price
22860	1/16	\$1.43
22870	5/64	\$1.48
22880	3/32	\$1.50
86950	7/64	\$1.60
86960	1/8	\$1.91
86970	9/64	\$1.93
86980	5/32	\$2.06
86990	11/64	\$2.15
87000	3/16	\$2.82
87010	13/64	\$3.11
87020	7/32	\$3.19
87030	15/64	\$3.43
87040	1/4	\$3.86
87050	17/64	\$4.49
87060	9/32	\$4.78
87070	19/64	\$5.33
87080	5/16	\$5.62
87090	21/64	\$6.00
87100	11/32	\$7.67
87110	23/64	\$8.50
87120	3/8	\$8.75
87130	25/64	\$10.01
87140	13/32	\$10.34
87150	27/64	\$11.46
87160	7/16	\$11.87
87170	29/64	\$13.33
87180	15/32	\$14.17
87190	31/64	\$15.05
87200	1/2	\$15.27

Carded			Type 175-AG		
Part No.	Size	Price	Part No.	Size	Price
22867	1/16	\$4.70	87057	17/64	\$5.05
22877	5/64	\$4.87	87067	9/32	\$5.33
22887	3/32	\$4.94	87077	19/64	\$5.90
86957	7/64	\$5.23	87087	5/16	\$6.16
86967	1/8	\$6.14	87097	21/64	\$6.56
(3 per card thru 1/8)			87107	11/32	\$8.22
86977	9/64	\$4.35	87117	23/64	\$9.04
86987	5/32	\$4.60	87127	3/8	\$9.44
86997	11/64	\$4.76	87137	25/64	\$10.73
87007	3/16	\$6.14	87147	13/32	\$11.06
87017	13/64	\$6.69	87157	27/64	\$12.16
87027	7/32	\$6.85	87167	7/16	\$12.56
87037	15/64	\$7.35	87177	29/64	\$14.04
87047	1/4	\$8.17	87187	15/32	\$14.85
(2 per card thru 1/4)			87197	31/64	\$15.74
			87207	1/2	\$15.95

Type 175-AG Sets/ Displays

Mechanic Length - Black & Gold

Magnum Super Premium 3-Flats on Shank 3/16 & Larger 135° Split Point

Part #	Size	Price
66460	SPM-13	\$38.50
66470	SPM-15	\$109.16
57810	SPM-21	\$96.55
66480	SPM-29	\$198.45
66820	SPM-29P (Black Ultra Dex)	\$201.00
67650	SPM-29PO (Orange Ultra Dex)	\$201.00

300 Piece Countertop Displays

Part #	Size	Price
57640	300SPM	\$1,246.54

Fractional Drills - 96 Piece Assortment

Part #	Size	Price
37270	96-SPM	\$552.66

Display Packages

Type 175-AG

Mechanic Length Drills

Magnum Super Premium

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



Display No. DC145SP		
Part No.	Size	Price
81651	DC145SP	\$470.52

Display No. DC116SP		
Part No.	Size	Price
81631	DC116SP	\$422.08

Display No. DC72SP		
Part No.	Size	Price
81641	DC72SP	\$249.10

Mechanic Length Drills

Type 178-AG

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

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

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



3-Flats on Shank - 3/8" Shank

Part No.	Size	Price
81560	13/32	\$13.60
81570	27/64	\$14.40
81580	7/16	\$14.82
81590	29/64	\$16.30
81600	15/32	\$17.11
81610	31/64	\$18.01
81620	1/2	\$18.23

Carded Type 178-AG

Part No.	Size	Price
81567	13/32	\$14.61
81577	27/64	\$15.40
81587	7/16	\$15.40
81597	29/64	\$17.23
81607	15/32	\$18.13
81617	31/64	\$19.02
81627	1/2	\$19.25

Type 178-AG Sets/Displays

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

Part #	Size	Price
57910	RSPM-15	\$117.93
92340	RSPM-21	\$134.13
57920	RSPM-29	\$215.78
57950	RSPM-29P (Black Ultra Dex)	\$218.30
58150	RSPM-29PO (Orange Ultra Dex)	\$218.30

300 Piece Assortments

Part #	Size	Price
57641	300RSPM	\$1,354.81

Fractional Drills - 96 Piece Assortment

Part #	Size	Price
37271	96RSPM	\$602.68

Type QR-AG

1/4" Hex Shank

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

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

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



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

Type QR-AG 1/4" Hex Shank

Quick Release Drills - 135° Split Point

QR-AG 1/4" Hex Shank		
Part No.	Size	Price
34501	1/16	\$5.25
34521	3/32	\$5.25
34541	1/8	\$4.82
34561	5/32	\$5.38
34581	3/16	\$6.04
34611	7/32	\$7.65
34631	1/4	\$8.21
34651	9/32	\$7.94
34671	5/16	\$8.18
34691	11/32	\$8.70
34711	3/8	\$9.40
34731	13/32	\$10.86
34751	7/16	\$12.71
34771	15/32	\$13.49
34791	1/2	\$15.05
34801	Quick Release Adaptor	\$17.39

Carded QR-AG 1/4" Hex Shank

Part No.	Size	Price
34507	1/16 (2 per card)	\$10.98
34527	3/32 (2 per card)	\$10.98
34547	1/8 (2 per card)	\$10.11
34567	5/32 (2 per card)	\$11.22
34587	3/16 (2 per card)	\$12.63
34617	7/32 (1 per card)	\$8.00
34637	1/4 (1 per card)	\$8.57
34657	9/32 (1 per card)	\$8.30
34677	5/16 (1 per card)	\$8.54
34697	11/32 (1 per card)	\$9.09
34717	3/8 (1 per card)	\$9.84
34737	13/32 (1 per card)	\$11.35
34757	7/16 (1 per card)	\$13.29
34777	15/32 (1 per card)	\$14.10
34797	1/2 (1 per card)	\$15.71
34807	Quick Release Adaptor	\$18.16

Type QR-AG Sets

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

QR 12-AG Hard Case - Index

Part No.	Size	Price
34811	1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2 & Quick Release Adaptor	\$127.22

QR 16-AG Soft Pouch - Index

Part No.	Size	Price
34812	1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2 & Quick Release Adaptor	\$168.20

QR 7A-AG Soft Pouch - Index

Part No.	Size	Price
34803	1/16, 3/32, 1/8, 5/32 3/16, 7/32, 1/4	\$56.36
Sets QR-7A and QR-7B do not include Quick Release Adaptor		

QR 7B-AG Soft Pouch - Index

Part No.	Size	Price
34804	1/8, 3/16, 1/4, 5/16 3/8, 7/16, 1/2	\$78.17
Sets QR-7A and QR-7B do not include Quick Release Adaptor		

Type 191

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

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



CAD-HD

Part No.	Size	Price
04492	1/16	\$1.43
04502	5/64	\$1.43
04512	3/32	\$1.43
04522	7/32	\$1.32
04532	1/8	\$1.50
04542	9/64	\$1.60
04552	5/32	\$1.71
04562	11/64	\$1.76
04572	3/16	\$2.12
04582	13/64	\$2.33
04592	7/32	\$2.40
04602	15/64	\$2.57
04612	1/4	\$2.79
04622	17/64	\$3.49
04632	9/32	\$3.69
04642	19/64	\$4.20
04652	5/16	\$4.45
04662	21/64	\$4.70
04672	11/32	\$5.53
04682	23/64	\$5.90
04692	3/8	\$6.42
04702	25/64	\$6.99
04712	13/32	\$7.40
04722	27/64	\$7.72
04732	7/16	\$8.67
04742	29/64	\$9.54
04752	15/32	\$10.14
04762	31/64	\$10.44
04772	1/2	\$10.74

Type 191 Sets CAD-HD

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

Part No.	Size	Price
43342	CAD-13A	\$31.08
43352	CAD-15A	\$84.21
43362	CAD-21A	\$76.23
43382	CAD-29A	\$151.92

Type 135-AG

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

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



Fractional

Part No.	Size	Price
87710	1/16	\$1.43
87720	5/64	\$1.48
87730	3/32	\$1.50
87740	7/64	\$1.60
87750	1/8	\$1.71
87760	9/64	\$1.75
87770	5/32	\$1.92
87780	11/64	\$2.14
87790	3/16	\$2.21
87800	13/64	\$2.37
87810	7/32	\$2.80
87820	15/64	\$2.81
87830	1/4	\$3.01

Continued Type 135-AG on page 18.

Screw Machine Length Drills

Magnum Super Premium, Heavy-Duty



Screw Machine Length Drills

Type 135-AG NAS 907C

Fractional		
Part No.	Size	Price
87840	17/64	\$3.49
87850	9/32	\$3.78
87860	19/64	\$4.02
87870	5/16	\$4.40
87880	21/64	\$4.75
87890	11/32	\$5.36
87900	23/64	\$6.24
87910	3/8	\$6.55
87920	25/64	\$7.37
87930	13/32	\$7.79
87940	27/64	\$8.46
87950	7/16	\$8.66
87960	29/64	\$10.26
87970	15/32	\$10.90
87980	31/64	\$11.20
87990	1/2	\$11.20
88000	33/64	\$25.61
88010	17/32	\$26.76
88020	35/64	\$27.90
88030	9/16	\$27.90
88040	37/64	\$31.94
88050	19/32	\$31.94
88060	39/64	\$32.02
88070	5/8	\$32.24
88080	41/64	\$36.92
88090	21/32	\$41.04
89210	43/64	\$36.92
89220	11/16	\$41.04
89230	45/64	\$44.42
89240	23/32	\$44.42
89250	47/64	\$47.83
89260	3/4	\$46.97
Wire		
Part No.	Size	Price
87600	1	\$3.28
87590	2	\$3.28
87580	3	\$2.99
87570	4	\$2.99
87560	5	\$2.99
87550	6	\$2.99
87540	7	\$2.66
87530	8	\$2.66
87520	9	\$2.66
87510	10	\$2.66
87500	11	\$2.66
87490	12	\$2.66
87480	13	\$2.48
87470	14	\$2.48
87460	15	\$2.48
87450	16	\$2.48
87440	17	\$2.48
87430	18	\$2.22
87420	19	\$2.22
87410	20	\$2.22
87400	21	\$2.13
87390	22	\$2.13
87380	23	\$2.13
87370	24	\$2.13
87360	25	\$2.03
87350	26	\$2.03
87340	27	\$2.03
87330	28	\$1.82
87320	29	\$1.82
87310	30	\$1.82
87300	31	\$1.76
87290	32	\$1.76
87280	33	\$1.76
87270	34	\$1.76
87260	35	\$1.74
87250	36	\$1.74

Wire		
Part No.	Size	Price
87240	37	\$1.74
87230	38	\$1.74
87220	39	\$1.74
87210	40	\$1.74
23360	41	\$1.74
23370	42	\$1.74
23380	43	\$1.74
23390	44	\$1.74
23400	45	\$1.74
23410	46	\$1.74
23420	47	\$1.74
23430	48	\$1.74
23440	49	\$1.74
23450	50	\$1.74
23460	51	\$1.74
23470	52	\$1.74
23480	53	\$1.74
23490	54	\$1.74
23500	55	\$1.74
23510	56	\$1.74
23520	57	\$1.74
23530	58	\$1.74
23540	59	\$1.74
23550	60	\$1.74

Letter		
Part No.	Size	Price
23601	A	\$3.38
23611	B	\$3.38
23621	C	\$3.38
23631	D	\$3.38
23641	E	\$3.01
23651	F	\$3.71
23661	G	\$3.92
23671	H	\$3.92
23681	I	\$3.92
23691	J	\$4.19
23701	K	\$4.52
23711	L	\$4.52
23721	M	\$4.98
23731	N	\$4.98
23741	O	\$4.98
23751	P	\$5.50
23761	Q	\$5.50
23771	R	\$5.50
23781	S	\$6.30
23791	T	\$7.40
23801	U	\$7.40
23811	V	\$7.94
23821	W	\$8.26
23831	X	\$9.67
23841	Y	\$11.48
23851	Z	\$11.48

Type 135-AG Sets

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

Part No.	Size	Price
66850	SPT-26	\$200.46
66490	SPT-29	\$169.83
23560	SPT-60	\$151.19

Type 125

1/4" Shank - 135° Split Point

Heavy-Duty - High-Speed Steel

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



Fractional		
Part No.	Size	Price
22410	17/64	\$4.48
22420	9/32	\$4.48
22430	19/64	\$5.35
22440	5/16	\$5.35
22450	21/64	\$6.11
22460	11/32	\$6.11
22470	23/64	\$7.21
22480	3/8	\$7.21
22490	25/64	\$8.87
22500	13/32	\$8.87
22510	27/64	\$10.25
22520	7/16	\$10.25
22530	29/64	\$11.70
22540	15/32	\$11.70
22550	31/64	\$12.91
22560	1/2	\$12.91

Carded Type 125 Heavy Duty HSS		
Part No.	Size	Price
22417	17/64	\$4.89
22427	9/32	\$4.89
22437	19/64	\$5.78
22447	5/16	\$5.78
22457	21/64	\$6.61
22467	11/32	\$6.61
22477	23/64	\$7.70
22487	3/8	\$7.70
22497	25/64	\$9.33
22507	13/32	\$9.33
22517	27/64	\$10.70
22527	7/16	\$10.70
22537	29/64	\$12.15
22547	15/32	\$12.15
22557	31/64	\$13.31
22567	1/2	\$13.31

Type 135 NAS 907C

Heavy-Duty 135° Split Point - Black Oxide

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

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



Fractional		
Part No.	Size	Price
25560	1/16	\$1.42
25570	5/64	\$1.42
25580	3/32	\$1.42
25590	7/64	\$1.42
25600	1/8	\$1.42
25610	9/64	\$1.58
25620	5/32	\$1.63
25630	11/64	\$1.80
25640	3/16	\$2.08
25650	13/64	\$2.20
25660	7/32	\$2.53
25670	15/64	\$2.73
25680	1/4	\$3.01
25690	17/64	\$3.49
25700	9/32	\$3.78
25710	19/64	\$4.02
25720	5/16	\$4.40
25730	21/64	\$4.75

Continued Type 135 on page 19

Screw Machine Length Drills Type 135 NAS 907C

Fractional		
Part No.	Size	Price
25740	11/32	\$5.36
25750	23/64	\$6.24
25760	3/8	\$6.55
25770	25/64	\$7.37
25780	13/32	\$7.79
25790	27/64	\$8.46
25800	7/16	\$8.66
25810	29/64	\$10.26
25820	15/32	\$10.90
25830	31/64	\$11.20
25840	1/2	\$11.20

Wire		
Part No.	Size	Price
25850	1	\$2.99
25860	2	\$2.99
25870	3	\$2.99
25880	4	\$2.99
25890	5	\$2.99
25900	6	\$2.99
25910	7	\$2.42
25920	8	\$2.42
25930	9	\$2.42
25940	10	\$2.42
25960	11	\$2.42
25970	12	\$2.42
25980	13	\$2.20
25990	14	\$2.20
26000	15	\$2.20
26010	16	\$2.20
26020	17	\$2.20
26030	18	\$1.91
26040	19	\$1.91
26050	20	\$1.91
26060	21	\$1.80
26070	22	\$1.80
26080	23	\$1.80
26090	24	\$1.80
26100	25	\$1.80
26110	26	\$1.80
26120	27	\$1.80
26130	28	\$1.58
26140	29	\$1.58
26150	30	\$1.58
26160	31	\$1.47
26170	32	\$1.47
26180	33	\$1.47
26190	34	\$1.47
26200	35	\$1.42
26210	36	\$1.42
26220	37	\$1.42
26230	38	\$1.42
26240	39	\$1.42
26250	40	\$1.42
26260	41	\$1.42
26270	42	\$1.42
26280	43	\$1.42
26290	44	\$1.42
26300	45	\$1.42
26310	46	\$1.42
26320	47	\$1.42
26330	48	\$1.42
26340	49	\$1.42
26350	50	\$1.42
26360	51	\$1.42
26370	52	\$1.42
26380	53	\$1.57
26390	54	\$1.57
26400	55	\$1.57
26410	56	\$1.57
26420	57	\$1.59
26430	58	\$1.59
26440	59	\$1.59
26450	60	\$1.59

Type 135 Sets

135° Split Point, Black Oxide Heavy Duty

Part No.	Size	Price
43660	T-10	\$25.54
43670	T-11	\$49.18
43690	T-13	\$32.60
43710	T-21	\$81.63
43730	T-29	\$166.18
43750	T-60	\$123.50

Type 260-TW NAS 907C

Heavy-Duty - 135° Split Point Bright Finish

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

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



Fractional		
Part No.	Size	Price
52240	1/16	\$1.42
52250	5/64	\$1.42
52260	3/32	\$1.42
52270	7/64	\$1.42
52280	1/8	\$1.42
52290	9/64	\$1.58
52300	5/32	\$1.63
52310	11/64	\$1.80
52320	3/16	\$2.34
52330	13/64	\$2.47
52340	7/32	\$2.99
52350	15/64	\$3.01
52360	1/4	\$3.21
52370	17/64	\$3.69
52380	9/32	\$4.03
52390	19/64	\$4.30
52400	5/16	\$4.62
52410	21/64	\$5.06
52420	11/32	\$5.74
52430	23/64	\$6.63
52440	3/8	\$6.97
52450	25/64	\$7.83
52460	13/32	\$8.12
52470	27/64	\$8.91
52480	7/16	\$9.14
52490	29/64	\$10.73
52500	15/32	\$11.26
52510	31/64	\$11.70
52520	1/2	\$11.70

Wire		
Part No.	Size	Price
52530	1	\$3.23
52540	2	\$3.23
52550	3	\$3.03
52560	4	\$3.03
52570	5	\$3.03
52580	6	\$3.03
52590	7	\$2.62
52600	8	\$2.62
52610	9	\$2.62
52620	10	\$2.62
52630	11	\$2.62
52640	12	\$2.62
52650	13	\$2.62
52660	14	\$2.62
52670	15	\$2.62
52680	16	\$2.62
52690	17	\$2.62
52700	18	\$2.19
52710	19	\$2.19
52720	20	\$2.19
52730	21	\$2.09
52740	22	\$2.09
52750	23	\$2.09
52760	24	\$2.09
52770	25	\$2.01
52780	26	\$2.01
52790	27	\$2.01
52800	28	\$1.87
52810	29	\$1.87
52820	30	\$1.87
52830	31	\$1.82
52840	32	\$1.82
52850	33	\$1.82
52860	34	\$1.82
52870	35	\$1.82
52880	36	\$1.82
52890	37	\$1.82
52900	38	\$1.82
52910	39	\$1.82
52920	40	\$1.82
52930	41	\$1.82
52940	42	\$1.82
52950	43	\$1.82
52960	44	\$1.82
52970	45	\$1.82
52980	46	\$1.82
52990	47	\$1.82
53000	48	\$1.82
53010	49	\$1.82
53020	50	\$1.82
53030	51	\$1.82
53040	52	\$1.82
53050	53	\$1.82
53060	54	\$1.82
53070	55	\$1.82
53080	56	\$1.82
53090	57	\$1.82
53100	58	\$1.82
53110	59	\$1.82
53120	60	\$1.82

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

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

Screw Machine Length Drills

HSS - General Purpose



Screw Machine Length Drills

Type 260

HSS - General Purpose -118° point Short Length

Bright-Flute® thru 3/4" diameter.

Surface treated flutes over 3/4" diameter.

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



Part No.	Fractional Size	Price
23860	3/64	\$1.69
23870	1/16	\$1.62
23880	5/64	\$1.62
23890	3/32	\$1.62
23900	7/64	\$1.62
23910	1/8	\$1.62
23920	9/64	\$1.64
23930	5/32	\$1.82
23940	11/64	\$2.01
23950	3/16	\$2.12
23960	13/64	\$2.20
23970	7/32	\$2.66
23980	15/64	\$2.69
23990	1/4	\$2.81
24000	17/64	\$3.36
24010	9/32	\$3.63
24020	19/64	\$3.86
24030	5/16	\$4.19
24040	21/64	\$4.53
24050	11/32	\$5.16
24060	23/64	\$5.98
24070	3/8	\$6.27
24080	25/64	\$7.06
24090	13/32	\$7.49
24100	27/64	\$8.12
24110	7/16	\$8.29
24120	29/64	\$9.84
24130	15/32	\$10.47
24140	31/64	\$10.76
24150	1/2	\$10.76
24160	33/64	\$24.55
24170	17/32	\$25.65
24180	35/64	\$26.74
24190	9/16	\$26.74
24200	37/64	\$30.61
24210	19/32	\$30.61
24220	39/64	\$32.07
24230	5/8	\$30.91
24240	41/64	\$35.40
24250	21/32	\$39.35
24260	43/64	\$35.40
24270	11/16	\$39.35
24280	45/64	\$42.61
24290	23/32	\$42.61
24300	47/64	\$45.83
24310	3/4	\$45.01
24320	49/64	\$49.08
24330	25/32	\$49.08
24340	51/64	\$52.46
24350	13/16	\$51.66
24360	53/64	\$54.78
24370	27/32	\$54.78
24380	55/64	\$56.65
24390	7/8	\$56.23
24400	57/64	\$58.82
24410	29/32	\$58.82
24420	59/64	\$64.90
24430	15/16	\$64.90

Fractional (continued)		
Part No.	Size	Price
24440	61/64	\$70.49
24450	31/32	\$70.49
24460	63/64	\$74.69
24470	1-INCH	\$72.27
24480	1-1/16	\$92.04
24490	1-1/8	\$104.26
24500	1-3/16	\$121.00
24510	1-1/4	\$108.16
24520	1-5/16	\$190.28
24530	1-3/8	\$202.86
24540	1-7/16	\$217.53
24550	1-1/2	\$229.30
24560	1-9/16	\$259.06
24570	1-5/8	\$290.69
24580	1-11/16	\$332.36
24590	1-3/4	\$344.32
24600	1-13/16	\$377.67
24610	1-7/8	\$388.51
24620	1-15/16	\$412.10
24630	2-INCH	\$433.02

Letter		
Part No.	Size	Price
23600	A	\$3.19
23610	B	\$3.19
23620	C	\$3.19
23630	D	\$3.19
23640	E	\$2.81
23650	F	\$3.54
23660	G	\$3.75
23670	H	\$3.75
23680	I	\$3.75
23690	J	\$4.02
23700	K	\$4.33
23710	L	\$4.33
23720	M	\$4.77
23730	N	\$4.77
23740	O	\$4.77
23750	P	\$5.27
23760	Q	\$5.27
23770	R	\$5.27
23780	S	\$6.04
23790	T	\$7.10
23800	U	\$7.10
23810	V	\$7.59
23820	W	\$7.93
23830	X	\$9.26
23840	Y	\$11.01
23850	Z	\$11.01

Proudly Manufactured in the U.S.A.

Wire		
Part No.	Size	Price
24640	1	\$2.81
24650	2	\$2.81
24660	3	\$2.69
24670	4	\$2.69
24680	5	\$2.69
24690	6	\$2.69
24700	7	\$2.18
24710	8	\$2.18
24720	9	\$2.18
24730	10	\$2.18
24740	11	\$2.16
24750	12	\$2.18
24760	13	\$2.18
24770	14	\$2.18
24780	15	\$2.18
24790	16	\$2.18
24800	17	\$2.18
24810	18	\$1.98
24820	19	\$1.98
24830	20	\$1.98
24840	21	\$1.82
24850	22	\$1.82
24860	23	\$1.82
24870	24	\$1.82
24880	25	\$1.82
24890	26	\$1.76
24900	27	\$1.76
24910	28	\$1.62
24920	29	\$1.62
24930	30	\$1.62
24940	31	\$1.59
24950	32	\$1.59
24960	33	\$1.59
24970	34	\$1.59
24980	35	\$1.59
24990	36	\$1.59
25000	37	\$1.59
25010	38	\$1.59
25020	39	\$1.59
25030	40	\$1.59
25040	41	\$1.59
25050	42	\$1.59
25060	43	\$1.59
25070	44	\$1.59
25080	45	\$1.59
25090	46	\$1.59
25100	47	\$1.59
25110	48	\$1.59
25120	49	\$1.59
25130	50	\$1.59
25140	51	\$1.59
25150	52	\$1.59
25160	53	\$1.59
25170	54	\$1.59
25180	55	\$1.59
25190	56	\$1.59
25200	57	\$1.59
25210	58	\$1.59
25220	59	\$1.59
25230	60	\$1.59

Type 260 Sets

HSS - General Purpose 118° Point Short Length

Part No.	Size	Price
10390	SM-29	\$165.50
35210	SM-60	\$140.00

Type 260-D

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

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

Fractional		
Part No.	Size	Price
39800	1/16	\$2.43
39810	5/64	\$2.43
39820	3/32	\$2.43
39830	7/64	\$2.43
39840	1/8	\$2.52
39850	9/64	\$2.52
39860	5/32	\$3.03
39870	11/64	\$3.49
39880	3/16	\$3.71
39890	13/64	\$4.22
39900	7/32	\$4.95
39910	15/64	\$5.20
39920	1/4	\$5.49
39930	17/64	\$6.54
39940	9/32	\$6.67
39950	19/64	\$8.17
39960	5/16	\$8.33
39970	21/64	\$9.90
39980	11/32	\$10.05
39990	23/64	\$11.94
40000	3/8	\$12.36
40010	25/64	\$14.50
40020	13/32	\$14.93
40030	27/64	\$16.26
40040	7/16	\$16.53
40050	29/64	\$20.67
40060	15/32	\$21.32
40070	31/64	\$21.32
40080	1/2	\$21.14
51630	33/64	\$34.29
51640	17/32	\$34.34
51650	35/64	\$36.25
51660	9/16	\$34.53
51670	37/64	\$37.89
51680	19/32	\$37.89
51690	39/64	\$40.08
51700	5/8	\$38.19
51710	41/64	\$43.46
51720	21/32	\$41.53
51730	43/64	\$46.32
51740	11/16	\$44.13
51750	45/64	\$48.24
51760	23/32	\$48.24
51770	47/64	\$57.28
51780	3/4	\$54.57

Wire		
Part No.	Size	Price
40090	1	\$5.23
40100	2	\$5.23
40110	3	\$4.85
40120	4	\$4.85
40130	5	\$4.85
40140	6	\$4.85
40150	7	\$4.00
40160	8	\$4.00
40170	9	\$4.00
40180	10	\$4.00
40190	11	\$3.93
40200	12	\$3.93
40210	13	\$3.93
40220	14	\$3.93
40230	15	\$3.93
40240	16	\$3.93
40250	17	\$3.78
40260	18	\$3.49
40270	19	\$3.49
40280	20	\$3.20
40290	21	\$3.14
40300	22	\$3.14
40310	23	\$3.14
40320	24	\$3.14
40330	25	\$2.72
40340	26	\$2.72



Wire		
Part No.	Size	Price
40350	27	\$2.72
40360	28	\$2.52
40370	29	\$2.52
40380	30	\$2.52
40390	31	\$2.52
40400	32	\$2.52
40410	33	\$2.52
40420	34	\$2.52
40430	35	\$2.44
40440	36	\$2.44
40450	37	\$2.44
40460	38	\$2.44
40470	39	\$2.44
40480	40	\$2.44
42410	41	\$2.44
42420	42	\$2.44
42430	43	\$2.76
42440	44	\$2.76
42450	45	\$2.76
42460	46	\$2.76
42470	47	\$2.76
42480	48	\$2.76
42490	49	\$2.76
42500	50	\$2.76
42510	51	\$2.76
42520	52	\$2.76
42530	53	\$2.76
42540	54	\$2.76
42550	55	\$2.76
42560	56	\$2.76
42570	57	\$2.76
42580	58	\$2.76
42590	59	\$2.76
42600	60	\$2.76

Type 260-D Sets

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

Part No.	Size	Price
42610	DT-13	\$56.32
42620	DT-15	\$151.32
42640	DT-21	\$139.92
42630	DT-29	\$280.90

Cutting Tool Lubricant Type 11-AG

Ultra S/P™ Super Premium

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

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

Part No.	Size	Price
96050	12 - 4 OZ.	\$4.61 ea.
96060	48 - 4 OZ.	\$4.40 ea.
96070	12 - 16 OZ.	\$14.20 ea.
96071	Display/ 8 - 4 OZ.	\$37.32



Type 260-DN

M42 Cobalt - HSS 135° Split Point - Titanium Nitride Heavy-Duty

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



Fractional		
Part No.	Size	Price
81800	1/16	\$4.73
81810	5/64	\$4.73
81820	3/32	\$4.73
81830	7/64	\$4.73
81840	1/8	\$4.83
81850	9/64	\$4.91
81860	5/32	\$5.43
81870	11/64	\$5.91
81880	3/16	\$6.13
81890	13/64	\$8.11
81900	7/32	\$8.87
81910	15/64	\$9.13
81920	1/4	\$9.43
81930	17/64	\$11.26
81940	9/32	\$11.41
81950	19/64	\$12.96
81960	5/16	\$13.12
81970	21/64	\$15.84
81980	11/32	\$16.00
81990	23/64	\$17.96
82000	3/8	\$18.39
82010	25/64	\$21.63
82020	13/32	\$22.06
82030	27/64	\$23.46
82040	7/16	\$23.72
82050	29/64	\$28.70
82060	15/32	\$29.37
82070	31/64	\$29.37
82080	1/2	\$29.19

Type 260-AND

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

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



Fractional		
Part No.	Size	Price
37103	1/16	\$5.67
37113	5/64	\$5.67
37123	3/32	\$5.67
37133	7/64	\$5.67
37143	1/8	\$5.80
37153	9/64	\$5.89
37163	5/32	\$6.52
37173	11/64	\$7.09
37183	3/16	\$7.36
37193	13/64	\$9.73
37203	7/32	\$10.64
37213	15/64	\$10.95
37223	1/4	\$11.32
37233	17/64	\$13.51
37243	9/32	\$13.68
37253	19/64	\$15.55
37263	5/16	\$15.74
37273	21/64	\$19.01
37283	11/32	\$19.20
37293	23/64	\$21.54
37303	3/8	\$22.06
37313	25/64	\$25.96
37323	13/32	\$26.47
37333	27/64	\$28.15
37343	7/16	\$28.47
37353	29/64	\$34.43
37363	15/32	\$35.25
37373	31/64	\$35.25
37383	1/2	\$35.03

Screw Machine Length Drills



Titanium Nitride

Type 260-BN

HSS 118° point - Titanium Nitride

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



Fractional		
Part No.	Size	Price
01501	1/16	\$3.34
01511	5/64	\$3.34
01521	3/32	\$3.34
01531	7/64	\$3.34
01541	1/8	\$3.34
01551	9/64	\$3.38
01561	5/32	\$3.51
01571	11/64	\$3.73
01581	3/16	\$3.82
01591	13/64	\$4.62
01601	7/32	\$5.06
01611	15/64	\$5.08
01621	1/4	\$5.21
01631	17/64	\$6.59
01641	9/32	\$6.85
01651	19/64	\$7.06
01661	5/16	\$7.39
01671	21/64	\$8.53
01681	11/32	\$9.13
01691	23/64	\$9.92
01711	25/64	\$11.73
01721	13/32	\$12.13
01731	27/64	\$12.74
01741	7/16	\$12.91
01751	29/64	\$14.71
01761	15/32	\$15.33
01771	31/64	\$15.61
01781	1/2	\$15.61

Wire		
Part No.	Size	Price
24643	1	\$5.98
24653	2	\$5.98
24663	3	\$5.84
24673	4	\$5.84
24683	5	\$5.84
24693	6	\$5.84
24703	7	\$5.39
24713	8	\$5.39
24723	9	\$5.39
24733	10	\$5.39
24743	11	\$5.39
24753	12	\$3.98
24763	13	\$3.98
24773	14	\$3.98
24783	15	\$3.98
24793	16	\$3.98
24803	17	\$3.98
24813	18	\$3.80
24823	19	\$3.80
24833	20	\$3.80
24843	21	\$3.65
24853	22	\$3.65
24863	23	\$3.65
24873	24	\$3.65
24883	25	\$3.65
24893	26	\$3.61
24903	27	\$3.61
24913	28	\$3.49
24923	29	\$3.49

Wire		
Part No.	Size	Price
24933	30	\$3.49
24943	31	\$3.38
24953	32	\$3.38
24963	33	\$3.38
24973	34	\$3.38
24983	35	\$3.38
24993	36	\$3.38
25003	37	\$3.38
25013	38	\$3.38
25023	39	\$3.38
25033	40	\$3.38
25043	41	\$3.38
25053	42	\$3.38
25063	43	\$3.38
25073	44	\$3.38
25083	45	\$3.38
25093	46	\$3.38
25103	47	\$3.38
25113	48	\$3.38
25123	49	\$3.38
25133	50	\$3.38
25143	51	\$3.38
25153	52	\$3.38
25163	53	\$3.38
25173	54	\$3.38
25183	55	\$3.38
25193	56	\$3.38
25203	57	\$3.38
25213	58	\$3.38
25223	59	\$3.38
25233	60	\$3.38

Type 260-BN Sets

HSS 118° point Titanium Nitride

Part No.	Size	Price
25243	SMN-29	\$242.98
25253	SMN-60	\$253.42

Type 135-TN NAS 907C

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

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



Fractional		
Part No.	Size	Price
97600	1/16	\$3.91
97590	5/64	\$3.91
97580	3/32	\$3.91
97570	7/64	\$3.91
97560	1/8	\$3.91
97550	9/64	\$4.46
97540	5/32	\$4.58
97530	11/64	\$4.78
97520	3/16	\$4.88
97510	13/64	\$6.43
97500	7/32	\$6.91
97490	15/64	\$6.93
97480	1/4	\$7.15
97470	17/64	\$9.93
97460	9/32	\$10.22
97450	19/64	\$10.49
97440	5/16	\$10.83
97430	21/64	\$12.48
97420	11/32	\$13.14
97410	23/64	\$14.00
97400	3/8	\$14.35
97390	25/64	\$16.41
97380	13/32	\$16.69
97370	27/64	\$17.44
97360	7/16	\$17.69
97350	29/64	\$20.46
97340	15/32	\$21.01
97330	31/64	\$21.40
97320	1/2	\$21.40

Wire		
Part No.	Size	Price
96670	1	\$7.17
96660	2	\$7.17
96650	3	\$6.95
96640	4	\$6.95
96630	5	\$6.95
96620	6	\$6.95
96610	7	\$6.55
96600	8	\$6.55
96590	9	\$6.55
96580	10	\$6.55
96570	11	\$6.55
96560	12	\$6.55
96550	13	\$5.14
96540	14	\$5.14
96530	15	\$5.14
96520	16	\$5.14
96510	17	\$5.14
96500	18	\$4.76
96490	19	\$4.76
96480	20	\$4.76
96470	21	\$4.64
96460	22	\$4.64
96450	23	\$4.64
96440	24	\$4.64
96430	25	\$4.64
96420	26	\$4.64
96410	27	\$4.64
96400	28	\$4.44
96390	29	\$4.44
96380	30	\$4.44
96370	31	\$3.81
96360	32	\$3.81
96350	33	\$3.81
96340	34	\$3.81
96330	35	\$3.81

Wire		
Part No.	Size	Price
96320	36	\$3.81
96310	37	\$3.81
96300	38	\$3.81
96290	39	\$3.81
96280	40	\$3.81
96270	41	\$3.81
96260	42	\$3.81
96250	43	\$3.81
96240	44	\$3.81
96230	45	\$3.81
96220	46	\$3.81
96210	47	\$3.81
96200	48	\$3.81
96190	49	\$3.81
96180	50	\$3.81
96170	51	\$3.81
96160	52	\$3.81
96150	53	\$3.81
96140	54	\$3.81
96130	55	\$3.81
96120	56	\$3.81
96110	57	\$3.81
96100	58	\$3.81
96090	59	\$3.81
96080	60	\$3.81

Type 135-TN Sets

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

Part No.	Size	Price
96680	TN-29	\$341.53
96730	TN-60	\$305.47

Taper Length Drills

Type 210

General Purpose - High-Speed

Steel - 118° Point

Bright finish thru 1" diameter.

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

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



Fractional		
Part No.	Size	Price
10490	3/64	\$8.71
10500	1/16	\$8.71
10510	5/64	\$8.71
10520	3/32	\$6.66
10530	7/64	\$6.88
10540	1/8	\$7.24
10550	9/64	\$8.53
10560	5/32	\$7.77
10570	11/64	\$9.11
10580	3/16	\$7.77
10590	13/64	\$10.37
10600	7/32	\$11.11
10610	15/64	\$11.11
10620	1/4	\$9.89
10630	17/64	\$11.86
10640	9/32	\$11.86
10650	19/64	\$12.69
10660	5/16	\$12.51
10670	21/64	\$13.18
10680	11/32	\$13.84
10690	23/64	\$15.83
10700	3/8	\$15.83
10710	25/64	\$17.13
10720	13/32	\$17.13
10730	27/64	\$18.44
10740	7/16	\$18.44
10750	29/64	\$21.09
10760	15/32	\$21.75
10770	31/64	\$23.72
10780	1/2	\$25.05
10790	33/64	\$30.34
10800	17/32	\$29.55
10810	35/64	\$33.77
10820	9/16	\$31.14
10830	37/64	\$36.33
10840	19/32	\$36.33
10850	39/64	\$38.26
10860	5/8	\$36.33
10870	41/64	\$43.89
10880	21/32	\$42.36
10890	43/64	\$49.78
10900	11/16	\$47.88
10910	45/64	\$53.39
10920	23/32	\$52.57
10930	47/64	\$58.40
10940	3/4	\$55.65
10950	49/64	\$64.53
10960	25/32	\$64.53
10970	51/64	\$69.29
10980	13/16	\$68.21
10990	53/64	\$72.22
11000	27/32	\$72.03
11010	55/64	\$75.67
11020	7/8	\$74.77
11030	57/64	\$78.86
11040	29/32	\$78.86
11050	59/64	\$86.49
11060	15/16	\$85.88
11070	61/64	\$95.07
11080	31/32	\$95.07
11090	63/64	\$99.86
11100	1-INCH	\$99.07

Fractional (continued)		
Part No.	Size	Price
11110	1-1/64	\$135.53
11120	1-1/32	\$135.53
11130	1-3/64	\$140.15
11140	1-1/16	\$140.15
11150	1-5/64	\$150.31
11160	1-3/32	\$150.31
11170	1-7/64	\$155.96
11180	1-1/8	\$155.96
11190	1-9/64	\$169.82
11200	1-5/32	\$169.82
11210	1-11/64	\$182.92
11220	1-3/16	\$182.92
11230	1-13/64	\$191.04
11240	1-7/32	\$191.04
11250	1-15/64	\$198.49
11260	1-1/4	\$198.49
11270	1-9/32	\$226.39
11280	1-5/16	\$234.70
11290	1-11/32	\$243.51
11300	1-3/8	\$252.68
11310	1-13/32	\$266.93
11320	1-7/16	\$275.19
11330	1-15/32	\$298.72
11340	1-1/2	\$308.52
11350	1-9/16	\$345.53
11360	1-5/8	\$390.47
11370	1-3/4	\$470.08

Letter		
Part No.	Size	Price
11380	A	\$13.31
11390	B	\$13.41
11400	C	\$13.41
11410	D	\$13.41
11420	E	\$13.41
11430	F	\$17.13
11440	G	\$17.13
11450	H	\$16.52
11460	I	\$16.52
11470	J	\$16.52
11480	K	\$16.52
11490	L	\$18.13
11500	M	\$18.13
11510	N	\$18.77
11520	O	\$18.77
11530	P	\$18.77
11540	Q	\$18.13
11550	R	\$18.13
11560	S	\$20.84
11570	T	\$20.84
11580	U	\$20.84
11590	V	\$21.87
11600	W	\$21.87
11610	X	\$22.70
11620	Y	\$22.70
11630	Z	\$22.70

Wire		
Part No.	Size	Price
11640	1	\$13.06
11650	2	\$13.06
11660	3	\$12.16
11670	4	\$12.16
11680	5	\$12.16
11690	6	\$12.16
11700	7	\$12.16
11710	8	\$12.16
11720	9	\$12.16
11730	10	\$12.16
11740	11	\$12.16
11750	12	\$12.16
11760	13	\$10.54
11770	14	\$10.54
11780	15	\$10.54
11790	16	\$10.54
11800	17	\$10.54
11810	18	\$10.54
11820	19	\$10.54
11830	20	\$10.54
11840	21	\$10.54
11850	22	\$10.54
11860	23	\$10.54
11870	24	\$10.54
11880	25	\$10.54
11890	26	\$10.54
11900	27	\$10.54
11910	28	\$10.54
11920	29	\$10.54
11930	30	\$10.54
11940	31	\$9.42
11950	32	\$9.42
11960	33	\$9.42
11970	34	\$9.42
11980	35	\$9.42
11990	36	\$8.57
12000	37	\$8.57
12010	38	\$8.57
12020	39	\$7.77
12030	40	\$7.77
12040	41	\$7.77
12050	42	\$6.97
12060	43	\$10.04
12070	44	\$10.04
12080	45	\$10.04
12090	46	\$10.04
12100	47	\$10.04
12110	48	\$9.79
12120	49	\$9.79
12130	50	\$9.79
12140	51	\$9.79
12150	52	\$9.79
12160	53	\$9.79
12170	54	\$9.79
12180	55	\$9.79
12190	56	\$9.79
12200	57	\$9.79
12210	58	\$9.79
12220	59	\$9.79
12230	60	\$9.79

Taper & Extra Length Drills

Automotive, Titanium Nitride, Parabolic, Magnum



Taper Length Drills

Type 220

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

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



Fractional		
Part No.	Size	Price
12870	1/8	\$7.60
12880	9/64	\$8.97
12890	5/32	\$8.16
12900	11/64	\$9.58
12910	3/16	\$8.16
12920	13/64	\$10.90
12930	7/32	\$11.66
12940	15/64	\$11.66
12950	1/4	\$10.36
12960	17/64	\$12.45
12970	9/32	\$12.45
12980	19/64	\$13.33
12990	5/16	\$13.15
13000	21/64	\$13.84
13010	11/32	\$14.53
13020	23/64	\$16.60
13030	3/8	\$16.60
13040	25/64	\$18.00
13050	13/32	\$18.00
13060	27/64	\$19.36
13070	7/16	\$19.36
13080	29/64	\$22.15
13090	15/32	\$22.82
13100	31/64	\$24.91
13110	1/2	\$26.29
13120	33/64	\$31.82
13130	17/32	\$31.08
13140	35/64	\$35.62
13150	9/16	\$32.81
13160	37/64	\$40.11
13170	19/32	\$40.11
13180	39/64	\$42.27
13190	5/8	\$40.11
13200	41/64	\$47.65
13240	21/32	\$45.99
13220	43/64	\$51.39
13230	11/16	\$49.36
72530	47/64	\$60.12
72540	3/4	\$57.42

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

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Order: 1-800-328-4655

Type 221-P

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

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



Fractional		
Part No.	Size	Price
35320	1/8	\$7.75
35330	9/64	\$9.04
35340	5/32	\$8.53
35350	11/64	\$10.32
35360	3/16	\$8.67
35370	13/64	\$11.31
35380	7/32	\$11.31
35390	15/64	\$11.98
35400	1/4	\$10.65
35410	17/64	\$12.92
35420	9/32	\$12.14
35430	19/64	\$13.54
35440	5/16	\$11.84
35450	21/64	\$13.87
35460	11/32	\$13.54
35470	23/64	\$15.98
35480	3/8	\$15.98
35490	25/64	\$19.44
35500	13/32	\$17.98
35510	27/64	\$20.17
35520	7/16	\$20.65
35530	29/64	\$22.38
35540	15/32	\$24.15
35550	31/64	\$25.97
35560	1/2	\$25.60

Type 221-PT

Heavy-Duty - Parabolic Flute
Titanium Nitride - Tang Drive
135° Split Point

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



Fractional		
Part No.	Size	Price
34600	1/8	\$10.07
34610	9/64	\$11.36
34620	5/32	\$10.85
34630	11/64	\$12.54
34640	3/16	\$10.95
34650	13/64	\$16.09
34660	7/32	\$16.09
34670	15/64	\$16.72
34680	1/4	\$15.48
34690	17/64	\$21.79
34700	9/32	\$21.08
34710	19/64	\$22.41
34720	5/16	\$20.80
34730	21/64	\$22.74
34740	11/32	\$22.41
34750	23/64	\$30.40
34760	3/8	\$30.40
34770	25/64	\$37.46
34780	13/32	\$36.06
34790	27/64	\$38.16
34800	7/16	\$38.61
34810	29/64	\$40.29
34820	15/32	\$41.98
34830	31/64	\$43.69
34840	1/2	\$43.36

Extra Length Drills

Type XGT-AG

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

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



Fractional			
Part No.	Size	Per Pack	Price
39240	1/8X6	3	\$10.88
39250	29X6	3	\$11.47
39260	9/64X6	3	\$11.47
39270	5/32X6	3	\$11.70
39280	11/64X6	3	\$12.35
39300	3/16X6	3	\$11.91
39310	10X6	3	\$12.11
39320	13/64X6	3	\$12.46
39330	7/32X6	3	\$12.82
39340	1X6	3	\$14.50
39350	15/64X6	3	\$14.50
39360	1/4X6	3	\$13.33
39370	FX6	3	\$13.67
39380	9/32X6	3	\$13.94
39390	5/16X6	3	\$13.87
39400	11/32X6	3	\$16.05
39410	3/8X6	1	\$18.54
39420	13/32X6	1	\$19.51
39430	7/16X6	1	\$20.90
39440	1/2X6	1	\$21.68
40780	1/8X9	1	\$19.03
40890	9/64X9	1	\$20.16
40790	5/32X9	1	\$19.71
53140	11/64X9	1	\$21.20
40800	3/16X9	1	\$20.76
53160	13/64X9	1	\$23.45
40810	7/32X9	1	\$22.99
53180	15/64X9	1	\$24.32
40820	1/4X9	1	\$23.85
40830	9/32X9	1	\$26.28
40840	5/16X9	1	\$26.35
40850	11/32X9	1	\$28.56
40860	3/8X9	1	\$29.78
40870	7/16X9	1	\$41.76
40880	1/2X9	1	\$46.39
43050	1/8X12	1	\$23.70
53130	9/64X12	1	\$24.72
43060	5/32X12	1	\$24.28
53150	11/6412	1	\$26.23
43070	3/16X12	1	\$25.79
53170	13/6412	1	\$29.78
43080	7/32X12	1	\$29.33
53190	15/6412	1	\$35.71
43090	1/4X12	1	\$35.25
43100	9/32X12	1	\$36.54
43110	5/16X12	1	\$37.93
43120	11/3212	1	\$40.10
43130	3/8X12	1	\$41.90
43140	7/16X12	1	\$56.52
43150	1/2X12	1	\$64.47

Extra Length Drills

Type 160 & 165

Longboy Drills - 12"-18" 118° Point

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



Type 160 12" High-Speed Steel		
Part No.	Size	Price
27200	1/8	\$19.55
27210	9/64	\$24.41
27220	5/32	\$22.38
27230	11/64	\$26.65
27240	3/16	\$22.30
27250	13/64	\$27.75
27260	7/32	\$25.44
27270	15/64	\$27.75
27280	1/4	\$23.47
27290	17/64	\$30.57
27300	9/32	\$25.48
27310	19/64	\$31.98
27320	5/16	\$26.67
27330	21/64	\$34.88
27340	11/32	\$29.07
27350	23/64	\$37.31
27360	3/8	\$31.09
27370	25/64	\$41.52
27380	13/32	\$34.59
27390	27/64	\$43.06
27400	7/16	\$35.91
27410	29/64	\$50.70
27420	15/32	\$42.25
27430	31/64	\$53.46
27440	1/2	\$44.53
27450	17/32	\$67.59
27460	9/16	\$73.10
27470	19/32	\$74.54
27480	5/8	\$82.12
27490	11/16	\$91.42
27500	3/4	\$100.53

Type 165 18" High-Speed Steel		
Part No.	Size	Price
27600	3/16	\$45.34
27610	7/32	\$50.44
27620	1/4	\$49.40
27630	9/32	\$56.51
27640	5/16	\$59.26
27650	11/32	\$64.55
27660	3/8	\$63.18
27670	13/32	\$68.61
27680	7/16	\$68.28
27690	15/32	\$74.64
27700	1/2	\$76.94
27710	17/32	\$102.95
27720	9/16	\$108.56
27730	19/32	\$113.38
27740	5/8	\$117.39

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

Sheeters Drills

Type 224

Black Oxide -135° Split Point

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



Wire		
Part No.	Size	Price
27010	1X3	\$3.43
27030	1X4-1/2	\$5.06
27040	1X6	\$5.70

Type 166 NAS 907B

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

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



Fractional 6"			
Part No.	Size	Price	
68170	1/16	\$9.69	
68180	5/64	\$9.69	
68470	3/32	\$5.27	
68490	7/64	\$5.27	
68500	1/8	\$3.53	
68510	9/64	\$3.88	
68520	5/32	\$4.24	
68530	11/64	\$4.56	
68540	3/16	\$4.97	
68550	13/64	\$5.22	
68560	7/32	\$5.53	
68570	15/64	\$5.76	
68580	1/4	\$5.99	
68190	9/32	\$8.67	
68450	21/64	\$10.02	
68200	11/32	\$9.95	
68760	5/16	\$9.12	
68770	3/8	\$10.31	
68780	7/16	\$13.67	
68790	1/2	\$16.86	

Wire		
Part No.	Size	Price
68590	1	\$5.70
37400	2	\$5.70
68330	5	\$5.54
68600	10	\$4.77
68610	11	\$4.67
68350	19	\$4.16
68620	20	\$4.16
68630	21	\$4.16
68370	25	\$3.88
68640	29	\$3.88
68650	30	\$3.88
37490	40	\$5.27

Type 167-D NAS 907J

Aircraft 6" 135° Split Point

Solid Construction Cobalt - Gold Treated

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



Fractional 6"			
Part No.	Size	Price	
65090	3/32	\$8.59	
65100	7/64	\$7.26	
65110	1/8	\$6.98	
65120	9/64	\$7.23	
65130	5/32	\$8.07	
65140	11/64	\$8.48	
65150	3/16	\$8.67	
65160	13/64	\$8.88	
65170	7/32	\$9.57	
65180	15/64	\$14.11	
65190	1/4	\$12.27	

Wire 6"		
Part No.	Size	Price
65200	1	\$14.46
65210	2	\$14.46
65220	10	\$9.30
65230	11	\$9.29
65240	20	\$8.07
65250	21	\$8.07
65260	29	\$7.45
65270	30	\$6.98
65280	40	\$7.44

Type 168

Welded Construction 12"

Extension Drill - Black Oxide

135° Split Point - High-Speed Steel

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



Fractional 12"		
Part No.	Size	Price
02710	1/16	\$14.11
02720	5/64	\$14.80
02730	3/32	\$14.80
02740	7/64	\$11.66
68800	1/8	\$6.73
68810	9/64	\$7.17
68820	5/32	\$7.64
68830	11/64	\$8.12
68840	3/16	\$8.59
68850	13/64	\$8.79
68860	7/32	\$9.11
68870	15/64	\$9.52
68880	1/4	\$9.73
68890	17/64	\$12.64
68900	9/32	\$11.41
68910	19/64	\$14.65
68920	5/16	\$13.16
68930	21/64	\$16.55
68940	11/32	\$14.48
68950	23/64	\$18.43
68960	3/8	\$16.29
68970	25/64	\$20.70
68980	13/32	\$18.19
68990	27/64	\$22.96
69000	7/16	\$20.21
69010	29/64	\$25.40
69020	15/32	\$22.18
69030	31/64	\$27.74
69040	1/2	\$24.15

Wire		
Part No.	Size	Price
69050	1	\$9.52
02400	5	\$10.22
69060	10	\$9.37
69070	11	\$9.37
69080	20	\$7.79
69090	21	\$7.79
69100	29	\$6.73
69110	30	\$6.73
02370	40	\$6.73

Type 169-D NAS 907J

12" Extension Drill, Cobalt - Gold Treated

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



Fractional 12"		
Part No.	Size	Price
61790	3/32	\$13.19
61800	7/64	\$12.45
61810	1/8	\$12.17
61820	9/64	\$14.08
61830	5/32	\$14.79
61840	11/64	\$15.38
61850	3/16	\$15.55
61860	13/64	\$18.49
61870	7/32	\$21.42
61880	15/64	\$22.77
61890	1/4	\$19.77

Wire 12"		
Part No.	Size	Price
61900	1	\$23.35
61910	2	\$23.91
61920	10	\$15.91
61930	11	\$15.91
61940	20	\$15.41
61950	21	\$15.41
61960	29	\$13.10
61970	30	\$12.17
61980	40	\$12.63

Reduced Shank Drills



Silver & Deming, Magnum Super Premium

Reduced Shank Drills

Type 130-AG

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

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



Fractional		
Part No.	Size	Price
29550	33/64	\$31.15
29560	17/32	\$29.66
29570	35/64	\$32.49
29580	9/16	\$30.62
29590	37/64	\$35.57
29600	19/32	\$33.85
29610	39/64	\$35.86
29620	5/8	\$34.13
29630	41/64	\$38.57
29640	21/32	\$36.76
29650	43/64	\$40.10
29660	11/16	\$38.17
29670	45/64	\$42.18
29680	23/32	\$40.15
29690	47/64	\$43.68
29700	3/4	\$41.60
29710	49/64	\$47.33
29720	25/32	\$45.04
29730	51/64	\$48.19
29740	13/16	\$45.91
29750	53/64	\$50.96
29760	27/32	\$48.54
29770	55/64	\$52.11
29780	7/8	\$49.64
29790	57/64	\$55.30
29800	29/32	\$52.67
29810	59/64	\$58.20
29820	15/16	\$55.43
29830	61/64	\$62.75
29840	31/32	\$59.77
29850	63/64	\$67.77
29860	1-INCH	\$64.54
29870	1-1/32	\$92.63
29880	1-1/16	\$84.82
29890	1-3/32	\$102.33
29900	1-1/8	\$92.80
29910	1-5/32	\$96.66
29920	1-3/16	\$98.79
29930	1-7/32	\$125.33
29940	1-1/4	\$108.84
29950	1-5/16	\$151.54
29960	1-3/8	\$154.08
29970	1-7/16	\$172.13
29980	1-1/2	\$176.43

Type 130-AG Sets/Displays

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

Part No.	Size	Price
12250	S&D-4SP	\$186.82
92400	S&D-8SP	\$420.95
92402	S&D13SP	\$751.24
92401	S&D33SP	\$1,532.79

Silver & Deming Displays

Part No.	Size	Price
00940	SD8SPA	\$612.86
00934	Display Only (SD-CAB)	\$353.21
92402	S&D13SP	\$751.24

Type 130-AGM (Metric)

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

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



Metric		
Part No.	Size	Price
25500	14.0	\$30.94
25501	14.5	\$32.41
25502	15.0	\$33.88
25541	15.5	\$35.31
25504	16.0	\$36.74
25542	16.5	\$37.46
25510	17.0	\$38.18
25511	17.5	\$39.18
25512	18.0	\$40.17
25543	18.5	\$40.89
25514	19.0	\$41.60
25544	19.5	\$43.51
25520	20.0	\$45.41
25521	20.5	\$46.42
25522	21.0	\$47.42
25523	21.5	\$48.31
25524	22.0	\$49.19
25529	22.5	\$50.30
25530	23.0	\$51.39
25531	23.5	\$54.74
25532	24.0	\$58.08
25549	24.5	\$61.08
25534	25.0	\$64.06

Type 131-AG

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

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



Fractional		
Part No.	Size	Price
29741	13/16	\$45.91
29781	7/8	\$49.64
29821	15/16	\$55.43
29861	1-INCH	\$64.54
29901	1-1/8	\$92.80
29941	1-1/4	\$108.84
29961	1-3/8	\$154.08
29981	1-1/2	\$176.43

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Order: 1-800-328-4655

Type 130-MRO

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

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



Fractional		
Part No.	Size	Price
54291	33/64	\$27.92
54300	17/32	\$27.58
54301	35/64	\$29.26
54310	9/16	\$28.58
54311	37/64	\$31.67
54320	19/32	\$31.47
54321	39/64	\$32.43
54330	5/8	\$31.74
54331	41/64	\$34.86
54340	21/32	\$34.19
54341	43/64	\$35.80
54350	11/16	\$35.51
54351	45/64	\$38.45
54360	23/32	\$37.79
54361	47/64	\$39.56
54370	3/4	\$38.63
54371	49/64	\$45.53
54380	25/32	\$44.68
54381	51/64	\$44.38
54390	13/16	\$42.68
54391	53/64	\$50.49
54400	27/32	\$49.82
54401	55/64	\$51.17
54410	7/8	\$46.78
54411	57/64	\$53.71
54420	29/32	\$52.36
54421	59/64	\$56.28
54430	15/16	\$51.53
54431	61/64	\$59.42
54440	31/32	\$58.53
54441	63/64	\$61.15
54450	1-INCH	\$60.02

Set Type-130-MRO Silver & Deming		
Part No	Size	Price
54520	S&D-4MRO	\$173.46

Type 130-D

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

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



Fractional		
Part No.	Size	Price
29131	33/64	\$43.35
29141	17/32	\$53.65
29151	35/64	\$53.65
29161	9/16	\$51.07
29171	37/64	\$54.51
29181	19/32	\$51.78
29191	39/64	\$60.37
29201	5/8	\$57.47
29211	41/64	\$61.21
29221	21/32	\$58.14
29231	43/64	\$69.22
29241	11/16	\$63.68
29251	45/64	\$73.42
29261	23/32	\$71.22
29271	47/64	\$73.82
29281	3/4	\$70.26
29291	49/64	\$77.29
29331	25/32	\$85.23

Continued Fractional Type 130-D		
Part No.	Size	Price
29311	51/64	\$85.23
29321	13/16	\$78.33
29301	53/64	\$86.16
29341	27/32	\$89.50
29351	55/64	\$89.50
29361	7/8	\$84.88
29371	57/64	\$93.36
29381	29/32	\$99.65
29391	59/64	\$99.65
29401	15/16	\$94.89
29411	61/64	\$106.82
29421	31/32	\$116.11
29431	63/64	\$116.11
29441	1-INCH	\$110.51

Sets 1/2" Shank M42 Cobalt		
Part No.	Size	Price
29551	S&D-4	\$310.07
29571	S&D-8	\$702.78

Type 130-AGX

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

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



Fractional Type 130-AGX		
Part No.	Size	Price
74001	33/64	\$24.59
74011	17/32	\$23.42
74021	35/64	\$25.66
74031	9/16	\$24.18
74041	37/64	\$28.09
74051	19/32	\$26.74
74061	39/64	\$28.31
74071	5/8	\$26.95
74081	41/64	\$30.46
74091	21/32	\$29.03
74101	43/64	\$31.65
74111	11/16	\$30.15
74121	45/64	\$33.30
74131	23/32	\$31.70
74141	47/64	\$34.49
74151	3/4	\$32.85
74161	49/64	\$37.38
74171	25/32	\$35.56
74181	51/64	\$38.04
74191	13/16	\$36.23
74201	53/64	\$40.23
74211	27/32	\$38.32
74221	55/64	\$41.16
74231	7/8	\$39.19
74241	57/64	\$43.66
74251	29/32	\$41.60
74261	59/64	\$45.96
74271	15/16	\$43.77
74281	61/64	\$49.55
74291	31/32	\$47.18
74301	63/64	\$53.52
74311	1-INCH	\$50.94
74321	1-1/16	\$66.96
74331	1-1/8	\$73.28
74341	1-5/32	\$76.33
74351	1-3/16	\$77.99
74361	1-1/4	\$85.92

Sets Type 130-AGX		
Part No.	Size	Price
74771	S&D-4AGX	\$155.68
74781	S&D-8AGX	\$375.96

Type 130

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

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



Fractional		
Part No.	Size	Price
29130	33/64	\$27.22
29140	17/32	\$25.90
29150	35/64	\$28.38
29160	9/16	\$27.02
29170	37/64	\$31.06
29180	19/32	\$29.59
29190	39/64	\$31.33
29200	5/8	\$29.82
29210	41/64	\$33.72
29220	21/32	\$32.11
29230	43/64	\$35.02
29240	11/16	\$33.35
29250	45/64	\$36.88
29260	23/32	\$35.10
29270	47/64	\$38.17
29280	3/4	\$36.33
29290	49/64	\$41.35
29300	25/32	\$39.41
29310	51/64	\$42.11
29320	13/16	\$40.11
29330	53/64	\$44.52
29340	27/32	\$42.41
29350	55/64	\$45.54
29360	7/8	\$43.38
29370	57/64	\$48.34
29380	29/32	\$46.01
29390	59/64	\$50.86
29400	15/16	\$48.44
29410	61/64	\$54.82
29420	31/32	\$52.24
29430	63/64	\$59.23
29440	1-INCH	\$56.41
29450	1-1/16	\$74.12
29460	1-1/8	\$81.07
29470	1-5/32	\$84.46
29480	1-3/16	\$86.34
29490	1-1/4	\$95.17
29540	1-47/64	\$147.74

Type 130 Sets/Displays

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

Part No.	Size	Price
12260	S&D-4	\$166.07
43200	S&D-8	\$386.48
43202	S&D-13	\$684.95
43201	S&D-33	\$1,387.80

Silver & Deming Displays		
Part No.	Size	Price
43202	S&D-13	\$684.95
00934	Display Only (SD-CAB)	\$353.21

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Metric Drills



Magnum Super Premium, Black & Gold

Metric Drills

Type 170-AG

Jobber Length - Metric

135° Split Point Magnum Super Premium

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



Metric		
Part No.	Size	Price
48760	0.70	\$3.73
48780	0.80	\$2.65
48790	0.85	\$2.49
48800	0.90	\$1.92
49990	0.95	\$1.92
48690	0.98	\$1.92
48820	1.00	\$1.80
48750	1.05	\$1.80
48840	1.10	\$1.80
48850	1.15	\$1.80
23270	1.18	\$1.80
48860	1.20	\$1.80
48870	1.25	\$1.80
48880	1.30	\$1.80
48890	1.35	\$1.80
48900	1.40	\$1.80
48910	1.45	\$1.80
48920	1.50	\$1.80
48930	1.55	\$1.80
48940	1.60	\$1.80
48950	1.65	\$1.80
48960	1.70	\$1.80
48970	1.75	\$1.80
48980	1.80	\$1.80
49000	1.90	\$1.80
49020	2.00	\$1.58
49030	2.05	\$1.70
49040	2.10	\$1.70
49060	2.20	\$1.70
49080	2.30	\$1.70
49100	2.40	\$1.70
49120	2.50	\$1.70
49130	2.60	\$1.71
49140	2.70	\$1.71
49150	2.80	\$1.71
49160	2.90	\$1.58
49170	3.00	\$1.58
49180	3.10	\$1.74
49190	3.20	\$1.83
49200	3.30	\$1.83
49210	3.40	\$1.83
49220	3.50	\$1.88
49230	3.60	\$1.88
49240	3.70	\$1.88
49250	3.80	\$1.94
49260	3.90	\$1.94
49270	4.00	\$1.97
49280	4.10	\$2.07
49290	4.20	\$2.09
49300	4.30	\$2.09
49310	4.40	\$2.30
49320	4.50	\$2.42
49330	4.60	\$2.48

Metric		
Part No.	Size	Price
49340	4.70	\$2.58
49350	4.80	\$2.65
49360	4.90	\$2.74
49370	5.00	\$2.74
49380	5.10	\$2.80
49390	5.20	\$2.87
49400	5.30	\$2.92
49410	5.40	\$2.99
49420	5.50	\$2.93
49430	5.60	\$3.25
49440	5.70	\$3.25
49450	5.80	\$3.30
49460	5.90	\$3.28
49470	6.00	\$3.28
49480	6.10	\$3.36
49490	6.20	\$3.61
49500	6.30	\$3.61
49510	6.40	\$3.94
49520	6.50	\$3.88
49530	6.60	\$4.01
49540	6.70	\$3.94
49550	6.80	\$4.23
49560	6.90	\$4.29
49570	7.00	\$4.23
49580	7.10	\$4.71
49590	7.20	\$4.78
49600	7.30	\$4.88
49610	7.40	\$4.97
49620	7.50	\$4.91
49630	7.60	\$5.22
49640	7.70	\$5.39
49650	7.80	\$5.39
49660	7.90	\$5.50
49670	8.00	\$5.63
49680	8.10	\$6.09
49690	8.20	\$6.09
49700	8.30	\$6.20
49710	8.40	\$6.20
49720	8.50	\$6.38
49730	8.60	\$6.25
49740	8.70	\$6.64
49750	8.80	\$6.87
49760	8.90	\$7.25
49770	9.00	\$7.25
49780	9.10	\$7.90
49790	9.20	\$7.90
49800	9.30	\$7.90
49810	9.40	\$7.90
49820	9.50	\$7.67
49830	9.60	\$8.25
49840	9.70	\$8.25
49850	9.80	\$8.60
49860	9.90	\$8.60
49870	10.00	\$8.77
12450	10.10	\$8.82
49880	10.20	\$9.43
12510	10.30	\$10.16
50220	10.40	\$10.16
49890	10.50	\$10.16
12460	10.60	\$10.20
50230	10.70	\$10.42
49900	10.80	\$10.60
12470	10.90	\$10.77
49910	11.00	\$10.76
12480	11.10	\$10.84
49920	11.20	\$11.01
50240	11.30	\$12.86
12490	11.40	\$11.31
49930	11.50	\$11.64

Metric		
Part No.	Size	Price
12500	11.6	\$11.46
50250	11.7	\$11.81
49940	11.8	\$11.81
12520	11.9	\$12.15
49950	12.0	\$12.22
12530	12.1	\$11.81
49960	12.2	\$11.81
50260	12.3	\$12.62
12540	12.4	\$12.62
49970	12.5	\$12.95
12550	12.6	\$12.88
12570	12.7	\$13.18
50270	12.8	\$13.45
12560	12.9	\$13.67
49980	13.0	\$14.83

Type 170-AG Sets/Displays

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

Part No.	Size	Price
58650	SP-11M	\$32.72
49042	SP-13M	\$49.38
58920	SP-19M	\$89.41
58660	SP-25M	\$163.43
49043	SP-41M	\$300.51
60090	SP-118M	\$673.58

Metric Drills - 91 Piece Assortment

Part No.	Size	Price
18910	91-SP	\$605.68

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

Metric Drills

Type 170

Jobber Length - Metric

118° Point, General Purpose

Black Oxide - High-Speed Steel

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



Metric		
Part No.	Size	Price
20630	0.75	\$3.17
20640	0.80	\$2.70
20650	0.85	\$2.55
20660	0.90	\$2.15
20670	0.95	\$2.15
20680	1.00	\$1.69
20690	1.05	\$1.69
20700	1.10	\$1.69
20710	1.15	\$1.69
20720	1.20	\$1.69
20730	1.25	\$1.69
20740	1.30	\$1.69
20750	1.35	\$1.69
20760	1.40	\$1.69
20780	1.50	\$1.69
20800	1.60	\$1.69
20820	1.70	\$1.69
20830	1.75	\$1.69
20840	1.80	\$1.69
20860	1.90	\$1.69
20880	2.00	\$1.56
20980	2.50	\$1.56
21040	3.00	\$1.56
21110	3.50	\$1.56
21170	4.00	\$1.89
21230	4.50	\$2.23
21290	5.00	\$2.37
21350	5.50	\$2.89
21410	6.00	\$3.33
21470	6.50	\$3.71
21530	7.00	\$3.98
21590	7.50	\$5.00
21650	8.00	\$5.07
21710	8.50	\$5.89
21770	9.00	\$7.85
21830	9.50	\$7.85
21890	10.00	\$10.30
21900	10.50	\$10.30
21910	11.00	\$10.30
21920	11.50	\$11.09
21930	12.00	\$12.37
21940	12.50	\$12.37
21950	13.00	\$12.78

Type 170 Sets

Jobber Length - Metric

118° Point, General Purpose

Black Oxide - High-Speed Steel

Part No.	Size	Price
44050	M-11	\$30.16
44180	M-13	\$46.24
44060	M-25	\$160.33

Type 170-W

Jobber Length - Metric

118° Pt. General Purpose -

Bright Finish High-Speed Steel

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



Metric		
Part No.	Size	Price
17160	0.75	\$3.17
17070	0.8	\$2.70
17080	0.85	\$2.55
29020	0.9	\$2.15
29030	0.95	\$2.15
29040	1.0	\$1.69
29050	1.05	\$1.69
29060	1.1	\$1.69
17100	1.15	\$1.69
29070	1.2	\$1.69
17150	1.25	\$1.69
29080	1.3	\$1.69
29090	1.35	\$1.69
29100	1.4	\$1.69
17110	1.5	\$1.69
29110	1.6	\$1.69
29010	1.7	\$1.69
17120	1.75	\$1.69
17130	1.8	\$1.69
29120	1.9	\$1.69
20881	2.0	\$1.56
20981	2.5	\$1.56
21041	3.0	\$1.56
21111	3.5	\$1.56
21171	4.0	\$1.89
21231	4.5	\$2.23
21291	5.0	\$2.37
21351	5.5	\$2.89
21411	6.0	\$3.33
21471	6.5	\$3.71
21531	7.0	\$3.98
21591	7.5	\$5.00
21651	8.0	\$5.54
21711	8.5	\$5.89
21771	9.0	\$7.85
21831	9.5	\$7.85
21891	10.0	\$10.30
21901	10.5	\$10.30
21911	11.0	\$10.30
21921	11.5	\$11.09
21931	12.0	\$12.37
21941	12.5	\$12.37
21951	13.0	\$12.78

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Metric Drills



Heavy-Duty, Cobalt, High-Speed Steel

Metric Drills

Type 150-M

Jobber Length - 135° Split Point

M42 Cobalt NAS 907-J Heavy-Duty

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



Metric		
Part No.	Size	Price
27050	0.90	\$2.58
27060	0.95	\$2.58
27070	1.00	\$2.44
27080	1.05	\$2.44
27090	1.10	\$2.44
27100	1.20	\$2.44
27110	1.30	\$2.44
08831	1.40	\$2.44
27130	1.50	\$2.44
27140	1.60	\$2.44
27150	1.70	\$2.44
27160	1.80	\$2.44
27170	1.90	\$2.44
26460	2.00	\$2.09
26940	2.05	\$2.09
26470	2.10	\$2.09
26480	2.20	\$2.16
26490	2.30	\$2.16
26500	2.40	\$2.16
26510	2.50	\$2.21
26520	2.60	\$2.29
26530	2.70	\$2.31
26540	2.80	\$2.40
26550	2.90	\$2.44
26560	3.00	\$2.49
26570	3.10	\$2.71
26580	3.20	\$2.81
26590	3.30	\$2.87
26600	3.40	\$2.87
26610	3.50	\$2.87
26620	3.60	\$3.02
26630	3.70	\$3.02
26640	3.80	\$3.06
26650	3.90	\$3.37
26660	4.00	\$3.37
26670	4.10	\$3.44
26680	4.20	\$3.44
26690	4.30	\$3.44
34570	4.40	\$3.63
26700	4.50	\$3.78
26710	4.60	\$4.13
26720	4.70	\$4.03
26730	4.80	\$4.61
26740	4.90	\$4.77
26750	5.00	\$4.77
33960	5.10	\$4.92
33970	5.20	\$5.20
33980	5.30	\$5.48
33990	5.40	\$5.48
34000	5.50	\$5.05
34010	5.60	\$5.62
34020	5.70	\$6.00
34030	5.80	\$6.00
34040	5.90	\$6.00
34050	6.00	\$5.62
34060	6.10	\$5.94
34070	6.20	\$6.45
34080	6.30	\$6.66
34090	6.40	\$6.66
34100	6.50	\$6.76
34110	6.60	\$6.84
34120	6.70	\$6.84

Metric		
Part No.	Size	Price
34130	6.80	\$7.25
34140	6.90	\$7.25
34150	7.00	\$7.25
34160	7.10	\$7.84
34170	7.20	\$7.84
34180	7.30	\$7.84
34190	7.40	\$8.57
34200	7.50	\$8.40
34210	7.60	\$8.82
34220	7.70	\$9.10
34230	7.80	\$9.10
34240	7.90	\$9.62
34250	8.00	\$9.55
34260	8.10	\$9.90
34270	8.20	\$10.21
34280	8.30	\$10.80
34290	8.40	\$11.19
34300	8.50	\$11.09
34310	8.60	\$11.51
34320	8.70	\$11.51
34330	8.80	\$11.51
34340	8.90	\$12.92
34350	9.00	\$12.67
34360	9.10	\$13.12
34370	9.20	\$13.53
34380	9.30	\$13.66
34390	9.40	\$14.50
34400	9.50	\$14.34
34410	9.60	\$15.36
34420	9.70	\$15.36
34430	9.80	\$15.36
34440	9.90	\$15.53
34450	10.00	\$15.65
34452	10.10	\$16.16
34460	10.20	\$16.67
34461	10.30	\$17.17
34462	10.40	\$17.51
34470	10.50	\$17.83
34472	10.60	\$18.06
34512	10.70	\$18.06
34480	10.80	\$18.30
34482	10.90	\$18.30
34490	11.00	\$18.78
34492	11.10	\$19.46
34500	11.20	\$19.46
34502	11.30	\$20.31
34504	11.40	\$22.04
34510	11.50	\$22.04
34514	11.60	\$22.64
34519	11.70	\$23.23
34520	11.80	\$23.24
34522	11.90	\$23.23
34530	12.00	\$23.24
34532	12.10	\$23.35
34540	12.20	\$23.48
34542	12.30	\$23.56
34544	12.40	\$23.62
34550	12.50	\$23.65
34552	12.60	\$24.01
34580	12.70	\$23.23
34590	12.80	\$24.23
34980	12.90	\$24.62
34560	13.00	\$25.82

Type 150-M Sets

Cobalt Jobber Length - Metric NAS 907J

Cobalt - Metric		
Part No.	Size	Price
58670	D-11M	\$48.74
49082	D-13M	\$67.37
49081	D-19M	\$144.72
58680	D-25M	\$265.18
49083	D-41M	\$480.34

Type XGT-J

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

Gold surface treated for maximum lubricity.

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

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

* M2 Titanium Nitride sizes 1.00 - 1.55mm



Metric		
Part No.	Size	Price
*00200	1.00	\$3.98
*00201	1.02	\$3.98
*00202	1.04	\$3.98
*00203	1.05	\$3.98
*00204	1.07	\$3.98
*00210	1.09	\$3.98
*00211	1.10	\$3.98
*00212	1.15	\$3.98
*00213	1.18	\$3.98
*00214	1.19	\$3.98
*00220	1.20	\$3.98
*00221	1.25	\$3.98
*00222	1.30	\$3.98
*00223	1.32	\$3.98
*00224	1.35	\$3.98
*00230	1.40	\$3.98
*00232	1.45	\$3.98
*00233	1.50	\$3.98
*00234	1.51	\$3.98
*00240	1.55	\$3.98
00241	1.59	\$3.98
00242	1.60	\$3.54
00243	1.61	\$3.54
00244	1.65	\$3.54
00250	1.70	\$3.54
00252	1.75	\$3.54
00253	1.78	\$3.54
00254	1.80	\$3.54
00260	1.85	\$3.54
00262	1.90	\$3.54
00263	1.93	\$3.54
00264	1.95	\$3.54
00270	1.98	\$3.54
00271	1.99	\$3.54
00272	2.00	\$3.59
00273	2.05	\$3.59
00274	2.06	\$3.59
00280	2.08	\$3.66
00281	2.10	\$3.66
00282	2.15	\$3.68
00283	2.18	\$3.68
00284	2.20	\$3.71
00290	2.25	\$3.71
00291	2.26	\$3.71
00292	2.30	\$3.78
00293	2.35	\$3.78
00294	2.37	\$3.91
00300	2.38	\$3.91
00301	2.40	\$3.92
00302	2.44	\$3.92
00303	2.45	\$3.96
00304	2.49	\$3.96
00310	2.50	\$3.96
00311	2.53	\$4.03
00231	2.55	\$4.03
00312	2.58	\$4.05
00313	2.60	\$4.05
00314	2.64	\$4.15
00251	2.65	\$4.15
00320	2.70	\$4.15
00321	2.71	\$4.19
00261	2.75	\$4.23
00322	2.78	\$4.23
00323	2.79	\$4.23
00324	2.80	\$4.25
00330	2.82	\$4.25
00360	2.85	\$4.27

Metric Drills
Type XGT-J
Jobber Length - Super M42 Cobalt, High-Speed Steel DIN 338 Heavy-Duty

Part No.	Metric Size	Price
00331	2.87	\$4.27
00332	2.90	\$4.30
00333	2.95	\$4.30
00334	3.00	\$4.31
00340	3.05	\$4.31
00341	3.10	\$4.52
00342	3.17	\$4.52
00343	3.20	\$4.71
00371	3.25	\$4.71
00344	3.26	\$4.71
00350	3.30	\$4.80
00351	3.40	\$4.80
00352	3.45	\$4.82
00353	3.50	\$4.82
00354	3.57	\$4.84
00361	3.60	\$4.84
00362	3.66	\$4.88
00363	3.70	\$4.88
00364	3.73	\$4.94
00370	3.80	\$4.97
00372	3.86	\$4.97
00373	3.90	\$5.00
00374	3.91	\$5.00
00380	3.97	\$5.11
00381	3.99	\$5.21
00382	4.00	\$5.21
00383	4.04	\$5.24
00384	4.09	\$5.24
00390	4.10	\$5.40
00391	4.15	\$5.45
00392	4.20	\$5.47
00393	4.22	\$5.47
00480	4.25	\$5.50
00394	4.30	\$5.60
00680	4.31	\$5.60
00400	4.37	\$5.66
00401	4.39	\$5.66
00402	4.40	\$5.96
00403	4.50	\$5.96
00404	4.55	\$6.07
00410	4.57	\$6.07
00411	4.60	\$6.12
00412	4.62	\$6.12
00413	4.70	\$6.23
00414	4.75	\$6.38
00420	4.76	\$6.38
00421	4.80	\$6.51
00423	4.85	\$6.55
00424	4.90	\$6.35
00430	4.91	\$6.35
00431	4.98	\$6.66
00432	5.00	\$6.66
00433	5.05	\$6.86
00434	5.10	\$6.86
00440	5.11	\$6.93
00441	5.16	\$7.15
00442	5.18	\$7.27
00443	5.20	\$7.49
00444	5.22	\$7.63
00481	5.25	\$7.73
00450	5.30	\$8.06
00451	5.31	\$8.06
00452	5.40	\$8.26
00453	5.41	\$8.26
00454	5.50	\$8.39
00460	5.56	\$8.39
00461	5.60	\$8.50
00462	5.61	\$8.52
00463	5.70	\$8.57
00482	5.75	\$8.57
00464	5.79	\$8.94
00470	5.80	\$8.94
00471	5.90	\$9.45
00472	5.94	\$9.55
00473	5.95	\$9.75

Part No.	Metric Size	Price
00474	6.00	\$9.75
00483	6.05	\$9.87
00484	6.1	\$10.12
00490	6.15	\$10.12
00491	6.2	\$10.31
00492	6.25	\$10.31
00493	6.3	\$10.35
00494	6.35	\$10.58
00500	6.4	\$10.66
00501	6.5	\$10.66
00502	6.53	\$10.93
00503	6.6	\$11.05
00504	6.63	\$11.45
00510	6.7	\$11.55
00511	6.75	\$11.69
00513	6.8	\$11.72
00514	6.9	\$11.72
00520	7.0	\$11.72
00521	7.04	\$11.94
00522	7.1	\$11.94
00524	7.14	\$11.72
00530	7.2	\$12.36
00531	7.3	\$12.44
00532	7.37	\$12.51
00533	7.4	\$12.60
00540	7.5	\$12.63
00541	7.54	\$13.08
00542	7.6	\$13.38
00543	7.67	\$13.74
00544	7.7	\$13.92
00550	7.8	\$14.10
00551	7.9	\$14.21
00552	7.94	\$14.22
00553	8.0	\$14.28
00554	8.03	\$14.63
00560	8.1	\$15.41
00561	8.2	\$16.03
00562	8.3	\$16.49
00563	8.33	\$16.55
00564	8.4	\$16.64
00570	8.43	\$16.66
00571	8.5	\$16.66
00572	8.6	\$17.03
00573	8.7	\$17.75
00574	8.73	\$17.88
00580	8.8	\$17.97
00581	8.84	\$18.15
00582	8.9	\$18.17
00583	9.0	\$18.20
00584	9.1	\$18.49
00590	9.13	\$18.67
00591	9.2	\$18.95
00592	9.3	\$19.49
00593	9.35	\$19.57
00594	9.4	\$19.82
00600	9.5	\$19.90
00601	9.52	\$20.33
00602	9.58	\$20.59
00603	9.6	\$20.81
00604	9.7	\$20.95
00610	9.8	\$21.02
00611	9.9	\$21.05
00612	9.92	\$21.05
00613	10.0	\$21.08
00614	10.08	\$21.63
00620	10.1	\$22.36
00621	10.2	\$22.84
00622	10.26	\$23.37
00623	10.3	\$23.74
00624	10.32	\$24.03
00630	10.4	\$24.12
00631	10.5	\$24.24
00632	10.6	\$24.96
00633	10.7	\$25.38
00634	10.72	\$26.43

Part No.	Metric Size	Price
00640	10.8	\$26.85
00641	10.9	\$27.17
00642	11.0	\$27.37
00643	11.1	\$27.81
00644	11.11	\$27.95
00650	11.2	\$28.10
00651	11.3	\$28.33
00652	11.4	\$28.46
00653	11.5	\$28.58
00654	11.51	\$29.12
00660	11.6	\$29.52
00661	11.7	\$30.08
00662	11.75	\$30.50
00663	11.8	\$30.83
00664	11.91	\$30.97
00670	12.0	\$31.04
00671	12.3	\$31.10
00672	12.5	\$31.19
00673	12.7	\$31.25
00674	13.0	\$31.33

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

Heavy-duty construction, 135° split point, no center punch needed - will not walk. Gyroidal Torsion flute and land construction yields exceptional performance in deep hole drilling applications. Recommended for a wide range of steels, castings and other hard metal drilling applications.



Part No.	Size	Price
38603	1/16	\$5.37
38613	5/64	\$4.91
38623	3/32	\$5.29
38633	7/64	\$5.63
38643	1/8	\$5.93
38653	9/64	\$6.26
38663	5/32	\$6.54
38673	11/64	\$7.11
38683	3/16	\$7.85
38693	13/64	\$9.60
38703	7/32	\$10.88
38713	15/64	\$12.30
38723	1/4	\$13.16
38733	17/64	\$15.26
38743	9/32	\$15.29
38753	19/64	\$16.72
38763	5/16	\$17.88
38773	21/64	\$21.05
38783	11/32	\$22.45
38793	23/64	\$23.24
38803	3/8	\$24.98
38813	25/64	\$26.44
38823	13/32	\$29.52
38833	27/64	\$32.02
38843	7/16	\$33.59
38853	29/64	\$35.60
38863	15/32	\$36.71
38873	31/64	\$37.34
38883	1/2	\$37.49

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

Taper Shank Drills

High-Speed Steel, Black Oxide



Taper Shank Drills Type 510

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

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



Fractional		
Part No.	Size	Price
14150	1/8	\$23.99
14160	9/64	\$24.70
14170	5/32	\$23.99
14180	11/64	\$24.70
14190	3/16	\$16.71
14200	13/64	\$18.37
14210	7/32	\$17.83
14220	15/64	\$21.02
14230	1/4	\$18.54
14240	17/64	\$20.29
14250	9/32	\$19.70
14260	19/64	\$25.15
14270	5/16	\$19.87
14280	21/64	\$27.58
14290	11/32	\$29.14
14300	23/64	\$31.95
14310	3/8	\$31.02
14320	25/64	\$33.09
14330	13/32	\$31.02
14340	27/64	\$35.30
14350	7/16	\$28.59
14360	29/64	\$31.34
14370	15/32	\$32.79
14380	31/64	\$37.62
14390	1/2	\$35.57
14400	33/64	\$40.58
14410	17/32	\$39.74
14420	35/64	\$44.29
14430	9/16	\$43.33
14440	37/64	\$46.94
14450	19/32	\$46.18
14460	39/64	\$49.08
14470	5/8	\$47.40
14480	41/64	\$54.10
14490	21/32	\$52.35
14500	43/64	\$58.04
14510	11/16	\$55.05
14520	45/64	\$60.48
14530	23/32	\$58.41
14540	47/64	\$64.16
14550	3/4	\$64.16
14560	49/64	\$76.18
14570	25/32	\$74.44
14580	51/64	\$83.39
14590	13/16	\$78.36
14600	53/64	\$86.91
14610	27/32	\$84.16
14620	55/64	\$89.97
14630	7/8	\$86.91
14640	57/64	\$91.91
14650	29/32	\$94.01
14660	59/64	\$94.78
14670	15/16	\$89.18
14680	61/64	\$97.73
14690	31/32	\$97.10
14700	63/64	\$103.78
14710	1-INCH	\$99.71
14720	1-1/64	\$114.78
14730	1-1/32	\$110.56
14740	1-3/64	\$120.58
14750	1-1/16	\$114.78

Fractional (continued)		
Part No.	Size	Price
14760	1-5/64	\$139.10
14770	1-3/32	\$134.01
14780	1-7/64	\$144.66
14790	1-1/8	\$140.69
14800	1-9/64	\$153.30
14810	1-5/32	\$145.85
14820	1-11/64	\$155.00
14830	1-3/16	\$153.30
14840	1-13/64	\$165.88
14850	1-7/32	\$163.41
14860	1-15/64	\$181.00
14870	1-1/4	\$172.48
14880	1-17/64	\$208.57
14890	1-9/32	\$206.83
14900	1-19/64	\$222.07
14910	1-5/16	\$210.03
14920	1-21/64	\$229.59
14930	1-11/32	\$222.07
14940	1-23/64	\$234.53
14950	1-3/8	\$225.38
14960	1-25/64	\$241.22
14970	1-13/32	\$241.22
14980	1-27/64	\$249.63
14990	1-7/16	\$243.71
15000	1-29/64	\$262.49
15010	1-15/32	\$259.84
15020	1-31/64	\$269.32
15030	1-1/2	\$261.62
15040	1-17/32	\$302.33
15050	1-9/16	\$316.46
15060	1-19/32	\$342.15
15070	1-5/8	\$349.73
15080	1-21/32	\$367.95
15090	1-11/16	\$377.14
15100	1-23/32	\$395.84
15110	1-3/4	\$403.90
15120	1-25/32	\$419.60
15130	1-13/16	\$430.45
15140	1-27/32	\$449.59
15150	1-7/8	\$450.47
15160	1-29/32	\$469.98
15170	1-15/16	\$484.65
15180	1-31/32	\$495.25
15190	2-INCH	\$499.24
15200	2-1/32	\$528.59
15210	2-1/16	\$532.65
15220	2-3/32	\$563.59
15230	2-1/8	\$563.59
15240	2-5/32	\$600.92
15250	2-3/16	\$611.47
15260	2-7/32	\$633.54
15270	2-1/4	\$638.42
15280	2-5/16	\$681.49
15290	2-3/8	\$708.20
15300	2-7/16	\$894.46
15310	2-1/2	\$923.41

Proudly Manufactured in the USA
Order: 1-800-328-4655

Letter		
Part No.	Size	Price
15700	A	\$32.85
15710	B	\$32.85
15720	C	\$32.85
15730	D	\$32.85
15740	E	\$27.15
15750	F	\$28.68
15760	G	\$34.48
15770	H	\$34.48
15780	I	\$34.48
15790	J	\$34.48
15800	K	\$36.15
15810	L	\$36.15
15820	M	\$36.15
15830	N	\$36.15
15840	O	\$44.83
15850	P	\$45.26
15860	Q	\$48.60
15870	R	\$49.43
15880	S	\$51.95
15890	T	\$51.95
15900	U	\$51.95
15910	V	\$54.65
15920	W	\$54.65
15930	X	\$56.32
15940	Y	\$56.32
15950	Z	\$60.46

Type 500

High-Speed Steel - Black Oxide
Shank Smaller than Standard

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



Fractional		
Part No.	Size	Price
16050	31/64	\$39.34
16060	1/2	\$37.40
16070	33/64	\$43.16
16080	17/32	\$43.16
16090	35/64	\$46.13
16100	9/16	\$47.16
16110	51/64	\$84.42
16120	13/16	\$84.02
16130	53/64	\$89.86
16140	27/32	\$89.86
16150	55/64	\$93.73
16160	7/8	\$92.36
16170	57/64	\$96.61
16180	29/32	\$96.61
16190	1-5/64	\$149.54
16200	1-3/32	\$142.49
16210	1-7/64	\$151.69
16220	1-1/8	\$148.05
16230	1-9/64	\$161.27
16240	1-5/32	\$161.27
16250	1-11/64	\$166.55
16260	1-3/16	\$164.53
16270	1-13/64	\$178.71
16280	1-7/32	\$176.72
16290	1-15/64	\$194.77
16300	1-1/4	\$193.95
16320	1-17/32	\$313.16
16340	1-9/16	\$335.13
16360	1-19/32	\$358.16
16380	1-5/8	\$366.32
16400	1-21/32	\$399.17
16420	1-11/16	\$410.68
16440	1-23/32	\$408.60

Continued Type 500 on page 33

Taper Shank Drills

Type 500

High-Speed Steel - Black Oxide
Shank Smaller than Standard

PACKAGED INDIVIDUALLY.

Fractional		
Part No.	Size	Price
16460	1-3/4	\$414.05
16470	1-25/32	\$438.83
16480	1-13/16	\$439.41
16490	1-27/32	\$455.46
16500	1-7/8	\$474.44
16510	1-29/32	\$489.64
16520	1-15/16	\$496.67
16530	1-31/32	\$512.14
16540	2-INCH	\$518.36

Type 520

High-Speed Steel - Black Oxide
Shank Larger than Standard

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

PACKAGED INDIVIDUALLY.



Type 520 Fractional		
Part No.	Size	Price
15450	3/8	\$33.61
15460	25/64	\$35.02
15470	13/32	\$35.71
15480	27/64	\$35.02
15490	7/16	\$37.07
15500	29/64	\$38.09
15510	15/32	\$40.04
15520	41/64	\$66.79
15530	21/32	\$67.73
15540	43/64	\$71.70
15550	11/16	\$74.28
15560	45/64	\$77.65
15570	23/32	\$79.58
15580	47/64	\$84.05
15590	3/4	\$84.97
15600	49/64	\$93.40
15610	25/32	\$93.40
15620	1-INCH	\$133.49
15630	1-1/32	\$146.33
15640	1-1/16	\$157.21

Drill Blanks

Type 240-DB

Hardened and Ground - Bright Finish

Drill blanks are used as hole size and bushing gauges.

They may also be used as guide pins for die sets.

Tolerances: + .0000 - .0005 thru 1/4"

+ .0000 - .0007 over 1/4"



Fractional		
Part No.	Size	Price
02769	1/32	\$1.84
02779	3/64	\$1.84
02789	1/16	\$1.84
02799	5/64	\$1.84
02809	3/32	\$1.84
02819	7/64	\$1.84
02829	1/8	\$1.84
02839	9/64	\$1.84
02849	5/32	\$1.98
02859	11/64	\$1.98
02869	3/16	\$2.17

Fractional (continued)		
Part No.	Size	Price
02879	13/64	\$2.76
02889	7/32	\$2.90
02899	15/64	\$3.17
02909	1/4	\$3.43
16919	17/64	\$3.69
16929	9/32	\$3.95
16939	19/64	\$4.42
16949	5/16	\$4.54
16959	21/64	\$4.94
16969	11/32	\$5.33
16979	23/64	\$5.99
16989	3/8	\$6.59
16999	25/64	\$6.86
17009	13/32	\$7.51
17019	27/64	\$8.30
17029	7/16	\$9.42
17039	29/64	\$9.69
17049	15/32	\$9.89
17059	31/64	\$11.19
17069	1/2	\$11.86

Letter		
Part No.	Size	Price
02419	A	\$4.48
02429	B	\$4.48
02439	C	\$4.55
02449	D	\$4.55
02459	E	\$4.11
02469	F	\$4.92
02479	G	\$5.47
02489	H	\$5.47
02499	I	\$5.47
02509	J	\$5.85
02519	K	\$6.47
02529	L	\$6.47
02539	M	\$6.80
02549	N	\$6.91
02559	O	\$6.91
02569	P	\$7.95
02579	Q	\$7.95
02589	R	\$8.42
02599	S	\$9.06
02609	T	\$10.26
02619	U	\$10.26
02629	V	\$10.73
02639	W	\$11.12
02649	X	\$13.45
02659	Y	\$15.70
26960	Z	\$16.02

Wire		
Part No.	Size	Price
03199	1	\$2.90
03209	2	\$2.90
03219	3	\$2.90
03229	4	\$2.90
03239	5	\$2.90
03249	6	\$2.76
03259	7	\$2.76
03269	8	\$2.76
03279	9	\$2.76
03289	10	\$2.76
03299	11	\$2.17
03309	12	\$2.17
03319	13	\$2.17
03329	14	\$2.17

Wire (continued)		
Part No.	Size	Price
03339	15	\$2.17
03349	16	\$1.98
03359	17	\$1.98
03369	18	\$1.98
03379	19	\$1.98
03389	20	\$1.98
03399	21	\$1.98
03409	22	\$1.98
03419	23	\$1.98
03429	24	\$1.98
03439	25	\$1.98
03449	26	\$1.71
03459	27	\$1.71
03469	28	\$1.71
03479	29	\$1.71
03489	30	\$1.71
03499	31	\$1.71
03509	32	\$1.71
03519	33	\$1.71
03529	34	\$1.71
03539	35	\$1.71
03549	36	\$1.71
03559	37	\$1.71
03569	38	\$1.71
03579	39	\$1.71
03589	40	\$1.71
03599	41	\$1.71
03609	42	\$1.71
03619	43	\$1.71
03629	44	\$1.71
03639	45	\$1.71
03649	46	\$1.71
03659	47	\$1.71
03669	48	\$1.71
03679	49	\$1.71
03689	50	\$1.71
03699	51	\$1.66
03709	52	\$1.66
03719	53	\$1.66
03729	54	\$1.66
03739	55	\$1.66
03749	56	\$1.66
03759	57	\$1.66
03769	58	\$1.66
03779	59	\$1.66
03789	60	\$1.66
03799	61	\$1.62
03809	62	\$1.62
03819	63	\$1.62
03829	64	\$1.62
03839	65	\$1.62
03849	66	\$1.62
03859	67	\$1.62
03869	68	\$1.62
03879	69	\$1.62
03889	70	\$1.71
03899	71	\$1.71
03919	72	\$1.71
03929	73	\$1.71
03939	74	\$1.71
03949	75	\$1.71
03959	76	\$1.98
03969	77	\$1.98
03979	78	\$1.98
03989	79	\$1.98
03999	80	\$1.98

HSS Gun Tap-Machine Screw & METRIC HSS Spiral Point

Magnum Super Premium

Bold = Most common size taps

Gun Tap-Machine Screw

Type 20-AG Gold Oxide, Type 20-AG Titanium Nitride and Type 20 Bright Finish

Ground Thread- Magnum Super Premium

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

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

Type 20 -AG, Type 20-AGN and 20						
Size	H Limit	20-AG Part #	Price	20-AGN Part #	Price	20 Part # Price
0-80	H1	67502	\$22.01	10502	\$27.52	60101 \$19.57
0-80	H2	60100	\$22.01	10512	\$27.52	67501 \$19.57
1-64	H1	67512	\$20.17	10522	\$25.19	60111 \$17.67
1-64	H2	60110	\$20.17	10532	\$25.19	67511 \$17.67
1-72	H1	67522	\$20.17	10542	\$25.19	67521 \$17.67
1-72	H2	60120	\$20.17	10552	\$25.19	60121 \$17.67
2-56	H2	60130	\$17.93	10562	\$22.34	60131 \$15.15
2-64	H2	60140	\$19.57	10572	\$24.43	60141 \$17.19
3-48	H2	60150	\$14.23	10582	\$17.79	60151 \$12.13
3-56	H1	67532	\$16.19	10592	\$20.64	67531 \$14.06
3-56	H2	60160	\$14.98	10602	\$19.10	60161 \$13.50
4-40	H1	67542	\$12.40	10612	\$15.53	67541 \$10.53
4-40	H2	60170	\$11.48	10622	\$14.38	60171 \$9.74
4-48	H1	67552	\$13.95	10632	\$17.40	67551 \$12.16
4-48	H2	60180	\$12.92	10642	\$16.12	60181 \$11.26
4-36	H2	60190	\$12.92	10652	\$16.12	60191 \$11.26
5-40	H1	67562	\$12.86	10662	\$16.09	67561 \$10.91
5-40	H2	60200	\$11.48	10672	\$14.38	60201 \$9.74
5-44	H2	60210	\$12.51	10682	\$15.66	60211 \$11.26
6-32	H1	67572	\$9.91	10692	\$12.38	67571 \$7.68
6-32	H2	67582	\$9.91	10702	\$12.38	67581 \$7.05
6-32	H3	60220	\$9.10	10712	\$11.33	60221 \$7.05
6-40	H2	60230	\$10.40	10722	\$12.97	60231 \$9.24
8-32	H1	67592	\$10.07	10732	\$12.58	67591 \$7.89
8-32	H2	67602	\$10.07	10742	\$12.58	67601 \$7.24
8-32	H3	60240	\$9.25	10752	\$10.13	60241 \$7.24
8-36	H2	60250	\$10.54	10762	\$13.20	60251 \$9.24
10-24	H1	67612	\$11.40	10772	\$14.25	67611 \$8.63
10-24	H2	67622	\$10.70	10782	\$13.36	67621 \$8.10
10-24	H3	60260	\$10.00	10792	\$10.94	60261 \$7.57
10-32	H1	67632	\$10.60	10802	\$13.26	67631 \$8.02
10-32	H2	67642	\$10.60	10812	\$13.26	67641 \$7.57
10-32	H3	60270	\$10.00	10822	\$10.94	60271 \$7.57
12-24	H3	60280	\$11.07	10832	\$13.82	60281 \$9.24
12-28	H3	60290	\$11.07	10842	\$13.82	60291 \$9.24
1/4-20	H1	67652	\$12.09	10852	\$15.13	67651 \$8.61
1/4-20	H2	67662	\$12.09	10862	\$15.13	67661 \$8.61
1/4-20	H3	60320	\$11.09	10872	\$12.13	60321 \$7.90
1/4-20	H5	67672	\$12.09	10882	\$15.13	67671 \$8.61
1/4-20	H3	67682	\$13.43	10892	\$16.81	67681 \$9.64
1/4-20	H5	67692	\$13.43	10902	\$16.81	67691 \$9.64
1/4-28	H1	67702	\$12.09	10912	\$15.13	67701 \$8.61
1/4-28	H2	67712	\$12.09	10922	\$15.13	67711 \$8.61
1/4-28	H3	60330	\$11.09	10932	\$13.89	60331 \$7.90
1/4-28	H4	67722	\$12.09	10942	\$15.13	67721 \$8.61
1/4-28	H2	67732	\$13.43	10952	\$16.81	67731 \$9.64
1/4-28	H4	67742	\$13.43	10962	\$16.81	67741 \$9.64
5/16-18	H1	67752	\$13.52	10972	\$16.90	67751 \$10.97
5/16-18	H2	67762	\$13.04	10982	\$16.31	67761 \$10.59
5/16-18	H3	60340	\$11.86	10992	\$14.84	60341 \$9.62
5/16-18	H5	67772	\$13.04	11002	\$16.31	67771 \$10.59
5/16-18	H3	67782	\$14.47	11012	\$18.12	67781 \$11.74
5/16-18	H5	67792	\$14.47	11022	\$18.12	67791 \$11.74
5/16-24	H1	67802	\$13.52	11032	\$16.90	67801 \$10.97
5/16-24	H2	67812	\$13.04	11042	\$16.31	67811 \$10.59
5/16-24	H3	60350	\$11.86	11052	\$14.84	60351 \$9.62
5/16-24	H4	67822	\$13.04	11062	\$16.31	67821 \$10.59

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Type 20 -AG, Type 20-AGN and 20						
Size	H Limit	20-AG Part #	Price	20-AGN Part #	Price	20 Part # Price
5/16-24	H2	67832	\$14.47	11072	\$18.12	67831 \$11.74
5/16-24	H4	67842	\$14.47	11082	\$18.12	67841 \$11.74
3/8-16	H1	67852	\$16.22	11092	\$20.21	67851 \$12.24
3/8-16	H2	67862	\$15.94	11102	\$19.88	67861 \$12.03
3/8-16	H3	60360	\$13.98	11112	\$17.43	60361 \$10.56
3/8-16	H5	67872	\$16.22	11122	\$20.21	67871 \$12.24
3/8-24	H1	67882	\$16.22	11132	\$20.21	67881 \$12.24
3/8-24	H2	67892	\$15.94	11142	\$19.88	67891 \$12.03
3/8-24	H3	60370	\$13.98	11152	\$17.43	60371 \$11.26
3/8-24	H4	67902	\$16.22	11162	\$20.21	67901 \$12.24
7/16-14	H2	67912	\$25.12	11172	\$31.35	67911 \$19.55
7/16-14	H3	60380	\$23.70	11182	\$29.58	60381 \$18.44
7/16-14	H5	67922	\$25.12	11192	\$31.35	67921 \$19.55
7/16-20	H3	60390	\$23.70	11202	\$29.58	60391 \$18.44
7/16-20	H5	67932	\$25.12	11212	\$31.35	67931 \$19.55
1/2-13	H2	67942	\$30.80	11222	\$38.49	67941 \$27.41
1/2-13	H3	60400	\$24.44	11232	\$30.57	60401 \$21.75
1/2-13	H5	67952	\$28.85	11242	\$32.98	67951 \$25.67
1/2-20	H1	67962	\$26.40	11252	\$32.98	67961 \$23.49
1/2-20	H2	67972	\$26.40	11262	\$32.98	67971 \$23.49
1/2-20	H3	60410	\$24.44	11272	\$30.57	60411 \$21.75
1/2-20	H5	67982	\$26.40	11282	\$32.98	67981 \$23.49
9/16-12	H3	67992	\$35.89	-----	-----	60461 \$37.62
9/16-18	H3	68002	\$35.89	-----	-----	60471 \$37.62
5/8-11	H3	60420	\$49.18	11292	\$61.45	60421 \$40.33
5/8-11	H5	68012	\$49.18	11302	\$61.45	67991 \$40.33
5/8-18	H3	60430	\$49.18	11312	\$61.45	60431 \$40.33
3/4-10	H3	60440	\$67.48	11322	\$84.29	60441 \$59.20
3/4-10	H5	68022	\$67.48	11332	\$84.29	68001 \$59.20
3/4-16	H3	60450	\$71.85	11342	\$89.75	60451 \$59.20

METRIC - Gun Tap-Machine Screw

Type 21-AG Gold Oxide, Type 21-AGN Titanium Nitride and Type 21 Bright

Ground Thread- Magnum Super Premium

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



METRIC Type 21-AG, Type 21-AGN and 21						
Size	PD Limit	21-AG Part #	Price	21-AGN Part #	Price	21 Part # Price
1.6-0.35	D3	68602	\$17.26	10509	\$22.98	68601 \$20.02
1.8-0.35	D3	68612	\$17.26	10519	\$22.98	68611 \$20.02
2.0-0.40	D3	68622	\$17.26	10529	\$22.98	68621 \$20.02
2.20-.45	D3	68632	\$17.26	10539	\$22.98	68631 \$20.02
2.5-0.45	D3	60500	\$17.18	10549	\$22.98	68641 \$20.02
3.0-0.50	D3	60510	\$12.19	10559	\$16.27	60102 \$11.52
3.5-0.60	D4	60520	\$12.19	10569	\$16.27	60103 \$11.52
4.0-0.70	D4	60530	\$12.19	10579	\$16.27	60104 \$11.52
4.5-0.75	D4	68642	\$12.19	10589	\$16.27	68651 \$11.52
5.0-0.80	D4	60550	\$12.19	10599	\$16.23	60114 \$11.52
6.0-1.00	D5	60560	\$12.90	10609	\$17.18	60124 \$11.52
7.0-1.00	D5	68652	\$14.26	10619	\$19.01	68661 \$12.39
8.0-1.00	D5	68662	\$15.05	10629	\$25.51	68671 \$13.24
8.0-1.25	D5	60580	\$15.05	10639	\$25.51	60234 \$13.24
10-1.25	D5	68672	\$22.93	10649	\$30.56	68681 \$21.77
10-1.50	D6	60600	\$22.93	10659	\$30.56	60152 \$21.77
12-1.25	D5	68682	\$28.67	10669	\$38.19	68691 \$26.66
12-1.75	D6	60620	\$28.67	10679	\$38.19	60162 \$26.66
14-1.50	D6	68692	\$43.12	10689	\$57.45	68701 \$39.75
14-2.00	D7	60630	\$43.12	10699	\$57.45	60164 \$39.75
16-1.50	D6	68702	\$50.68	10709	\$67.53	68711 \$46.73
16-2.00	D7	60640	\$50.68	10719	\$67.53	60173 \$46.73
18-2.50	D7	60650	\$73.33	10729	\$97.72	60174 \$67.49
20-2.50	D7	68712	\$53.66	10739	\$71.49	68721 \$61.15

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

HSS Straight Flute Hand Taps, Gold Oxide & Titanium Nitride

Bold = Most common size taps

Titanium Nitride, Magnum Super Premium

HSS Straight Flute Hand Taps

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

Gold Oxide Ground Thread- Magnum Super Premium

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

Type 23-AG, Type 24-AG and Type 25-AG						
Size	H Limit	23-AG Part #	Price	24-AG Part #	Price	25-AG Part # Price
0-80	H1	72701	\$14.42	72702	\$14.42	72703 \$14.42
0-80	H2	72711	\$14.42	72712	\$14.42	72713 \$14.42
1-64	H1	72721	\$14.42	72722	\$14.42	72723 \$14.42
1-64	H2	72731	\$14.42	72732	\$14.42	72733 \$14.42
1-72	H1	72741	\$14.42	72742	\$14.42	72743 \$14.42
1-72	H2	72751	\$14.42	72752	\$14.42	72753 \$14.42
2-56	H1	72761	\$18.08	72762	\$18.08	72763 \$18.08
2-56	H2	60660	\$16.89	60661	\$16.89	60662 \$16.89
2-64	H2	72771	\$18.08	72772	\$18.08	72773 \$18.08
3-48	H2	72781	\$15.06	72782	\$15.06	72783 \$15.06
3-48	H2	60680	\$13.45	60681	\$13.45	60682 \$13.45
3-56	H2	60710	\$14.52	60711	\$14.52	60712 \$14.52
4-40	H2	60700	\$10.85	60701	\$10.85	60702 \$10.85
4-48	H2	60720	\$10.85	60721	\$10.85	60722 \$10.85
5-40	H1	72791	\$11.82	72792	\$11.82	72793 \$11.82
5-40	H2	60730	\$10.85	60731	\$10.85	60702 \$10.85
5-44	H2	60740	\$11.72	60741	\$11.72	60722 \$10.85
6-32	H1	72801	\$9.11	72802	\$9.11	72803 \$9.11
6-32	H2	72811	\$9.11	72812	\$9.11	72813 \$9.11
6-32	H3	60750	\$8.59	60751	\$8.59	60752 \$8.59
6-40	H1	72821	\$11.00	72822	\$11.00	72823 \$11.00
6-40	H2	60760	\$9.82	60761	\$9.82	60762 \$9.82
8-32	H1	72831	\$9.12	72832	\$9.12	72833 \$9.12
8-32	H2	72841	\$9.12	72842	\$9.12	72843 \$9.12
8-32	H3	60770	\$8.72	60771	\$8.72	60772 \$8.72
8-36	H2	60780	\$9.96	60781	\$9.96	60782 \$9.96
10-24	H1	72851	\$9.87	72852	\$9.87	72853 \$9.87
10-24	H2	72861	\$9.87	72862	\$9.87	72863 \$9.87
10-24	H3	60790	\$9.44	60791	\$9.44	60792 \$9.44
10-32	H1	72871	\$9.84	72872	\$9.84	72873 \$9.84
10-32	H2	72881	\$9.84	72882	\$9.84	72883 \$9.84
10-32	H3	60800	\$9.44	60801	\$9.44	60802 \$9.44
12-24	H3	60810	\$10.44	60811	\$10.44	60812 \$10.44
12-28	H3	60820	\$10.44	60821	\$10.44	60822 \$10.44
1/4-20	H1	72891	\$10.97	72892	\$10.97	72893 \$10.97
1/4-20	H2	72901	\$10.97	72902	\$10.97	72903 \$10.97
1/4-20	H3	60830	\$10.46	60831	\$10.46	60832 \$10.46
1/4-20	H5	72911	\$10.97	72912	\$10.97	72913 \$10.97
1/4-28	H1	72921	\$10.97	72922	\$10.97	72923 \$10.97
1/4-28	H2	72931	\$10.97	72932	\$10.97	72933 \$10.97
1/4-28	H3	60840	\$10.46	60841	\$10.46	60842 \$10.46
1/4-28	H4	72941	\$10.97	72942	\$10.97	72943 \$10.97
5/16-18	H2	72951	\$12.06	72952	\$12.06	72953 \$12.06
5/16-18	H3	60850	\$11.17	60851	\$11.17	60852 \$11.17
5/16-18	H5	72961	\$12.06	72962	\$12.06	72963 \$12.06
5/16-24	H2	72971	\$12.51	72972	\$12.51	72973 \$12.51
5/16-24	H3	60860	\$11.17	60861	\$11.17	60862 \$11.17
5/16-24	H4	72981	\$12.51	72982	\$12.51	72983 \$12.51
3/8-16	H1	72991	\$14.51	72992	\$14.51	72993 \$14.51
3/8-16	H2	73001	\$14.51	73002	\$14.51	73003 \$14.51
3/8-16	H3	60870	\$13.19	60871	\$13.19	60872 \$13.19
3/8-16	H5	73011	\$14.51	73012	\$14.51	73013 \$14.51
3/8-24	H1	73021	\$14.51	73022	\$14.51	73023 \$14.51
3/8-24	H2	73031	\$14.51	73032	\$14.51	73033 \$14.51
3/8-24	H3	60880	\$13.19	60881	\$13.19	60882 \$13.19
3/8-24	H4	73041	\$14.51	73042	\$14.51	73043 \$14.51
7/16-14	H3	60890	\$22.34	60891	\$22.34	60892 \$22.34
7/16-14	H5	73051	\$24.35	73052	\$24.35	73053 \$24.35
7/16-20	H3	60900	\$22.34	60901	\$22.34	60902 \$22.34
7/16-20	H5	73061	\$24.35	73062	\$24.35	73063 \$24.35
1/2-13	H1	73071	\$26.53	73072	\$26.53	73073 \$26.53
1/2-13	H3	60910	\$23.07	60911	\$23.07	60912 \$23.07
1/2-13	H5	73081	\$26.53	73082	\$26.53	73083 \$26.53
1/2-20	H1	73091	\$26.53	73092	\$26.53	73093 \$26.53
1/2-20	H3	60920	\$23.07	60921	\$23.07	60922 \$23.07
1/2-20	H5	73101	\$26.53	73102	\$26.53	73103 \$26.53
9/16-12	H3	60950	\$32.52	60951	\$32.52	60952 \$32.52
9/16-12	H5	73111	\$33.98	73112	\$33.98	73113 \$33.98
9/16-18	H2	73121	\$39.06	73122	\$39.06	73123 \$39.06
9/16-18	H3	60960	\$32.52	60961	\$32.52	60962 \$32.52

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Type 23-AG, Type 24-AG and Type 25-AG						
Size	H Limit	23-AG Part #	Price	24-AG Part #	Price	25-AG Part # Price
9/16-18	H5	73131	\$39.06	73132	\$39.06	73133 \$39.06
5/8-11	H2	73141	\$40.28	73142	\$40.28	73143 \$40.28
5/8-11	H3	60970	\$36.61	60971	\$36.61	60972 \$36.61
5/8-11	H5	73151	\$52.30	73152	\$52.30	73153 \$52.30
5/8-18	H2	73161	\$52.30	73162	\$52.30	73163 \$52.30
5/8-18	H3	60980	\$36.61	60981	\$36.61	60982 \$36.61
5/8-18	H5	73171	\$52.30	73172	\$52.30	73173 \$52.30
11/16-11	H3	73181	\$56.48	73182	\$56.48	73183 \$56.48
11/16-16	H3	73191	\$56.48	73192	\$56.48	73193 \$56.48
3/4-10	H3	60990	\$48.48	60991	\$48.48	60992 \$48.48
3/4-10	H5	73201	\$51.39	73202	\$51.39	73203 \$51.39
3/4-16	H1	73211	\$51.39	73212	\$51.39	73213 \$51.39
3/4-16	H2	73221	\$51.39	73222	\$51.39	73223 \$51.39
3/4-16	H3	61400	\$48.48	61401	\$48.48	61402 \$48.48
3/4-16	H5	73231	\$51.39	73232	\$51.39	73233 \$51.39
7/8-9	H4	61410	\$70.01	61411	\$70.01	61412 \$70.01
7/8-9	H6	73241	\$72.82	73242	\$72.82	73243 \$72.82
7/8-14	H2	73251	\$72.82	73252	\$72.82	73253 \$72.82
7/8-14	H4	61420	\$70.01	61421	\$70.01	61422 \$70.01
7/8-14	H6	73261	\$90.34	73262	\$90.34	73263 \$90.34
1-8	H4	61430	\$86.87	61431	\$86.87	61432 \$86.87
1-8	H6	73271	\$92.94	73272	\$92.94	73273 \$92.94
1-12	H4	61440	\$92.55	61441	\$92.55	61442 \$92.55
1-14	H4	27570	\$92.55	27571	\$92.55	27572 \$92.55
1 1/8-7	H4	61450	\$150.34	61451	\$150.34	61452 \$150.34
1 1/8-12	H4	61460	\$150.34	61461	\$150.34	61462 \$150.34
1 1/4-7	H4	61470	\$176.35	61471	\$176.35	61472 \$176.35
1 1/4-12	H4	61480	\$176.35	61481	\$176.35	61482 \$176.35
1 3/8-6	H4	61490	\$302.99	61491	\$302.99	61492 \$302.99
1 3/8-12	H4	61500	\$302.99	61501	\$302.99	61502 \$302.99
1 1/2-6	H4	61510	\$346.75	61511	\$346.75	61512 \$346.75
1 1/2-12	H4	61520	\$346.75	61521	\$346.75	61522 \$322.86

HSS Straight Flute Hand Taps

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

Titanium Nitride Ground Thread Magnum Super Premium

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

Type 23-AGN, Type 24-AGN and Type 25-AGN						
Size	H Limit	23-AGN Part #	Price	24-AGN Part #	Price	25-AGN Part # Price
0-80	H1	45981	\$19.14	45982	\$19.14	45983 \$19.14
0-80	H2	45991	\$19.14	45992	\$19.14	45993 \$19.14
1-64	H1	44101	\$19.14	44102	\$19.14	44103 \$19.14
1-64	H2	44111	\$19.14	44112	\$19.14	44113 \$19.14
1-72	H1	44121	\$19.14	44122	\$19.14	44123 \$19.14
1-72	H2	44131	\$19.14	44132	\$19.14	44133 \$19.14
2-56	H1	44141	\$23.98	44142	\$23.98	44143 \$23.98
2-56	H2	46001	\$21.72	46002	\$21.72	46003 \$21.72
2-64	H2	44151	\$23.98	44152	\$23.98	44153 \$23.98
3-48	H2	44161	\$19.98	44162	\$19.98	44163 \$19.98
3-48	H2	46011	\$19.41	46012	\$19.41	46013 \$19.41
3-56	H2	45931	\$12.93	45932	\$12.93	45933 \$12.93
4-40	H2	46021	\$14.34	46022	\$14.34	46023 \$14.34
4-48	H2	45951	\$11.76	45952	\$11.76	45953 \$11.76
5-40	H1	44191	\$15.68	44192	\$15.68	44193 \$15.68
5-40	H2	46031	\$14.34	46032	\$14.34	46033 \$14.34
5-44	H2	45971	\$11.40	45972	\$11.40	45973 \$11.40
6-32	H1	44211	\$12.08	44212	\$12.08	44213 \$12.08
6-32	H2	44221	\$12.08	44222	\$12.08	44223 \$12.08
6-32	H3	46041	\$11.64	46042	\$11.64	46043 \$11.64
6-40	H1	44231	\$14.58	44232	\$14.58	44233 \$14.58
6-40	H2	46051	\$13.73	46052	\$13.73	46053 \$13.73
8-32	H1	44241	\$12.09	44242	\$12.09	44243 \$12.09
8-32	H2	44251	\$12.09	44252	\$12.09	44253 \$12.09
8-32	H3	46061	\$12.85	46062	\$12.85	46063 \$12.85
8-36	H2	46071	\$15.03	46072	\$15.03	46073 \$15.03
10-24	H1	44261	\$13.08	44262	\$13.08	44263 \$13.09
10-24	H2	44271	\$13.08	44272	\$13.08	44273 \$13.09
10-24	H3	46081	\$12.81	46082	\$12.81	46083 \$12.81
10-32	H1	44281	\$13.05	44282	\$13.05	44283 \$13.05

HSS Straight Flute Hand Taps, Titanium Nitride & Bright Finish

Titanium Nitride, Bright Finish Magnum Super Premium

Bold = Most common size taps

HSS Straight Flute Hand Taps

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

Titanium Nitride Ground Thread Magnum Super Premium

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

Type 23-AGN, Type 24-AGN and Type 25-AGN							
Size	H Limit	23-AGN Part #	23-AGN Price	24-AGN Part #	24-AGN Price	25-AGN Part #	25-AGN Price
12-28	H3	46111	\$13.84	46112	\$13.84	46113	\$13.84
1/4-20	H1	44301	\$14.54	44302	\$14.54	44303	\$14.54
1/4-20	H2	44311	\$14.54	44312	\$14.54	44313	\$14.54
1/4-20	H3	46121	\$14.04	46122	\$14.04	46123	\$14.04
1/4-20	H5	44321	\$14.54	44322	\$14.54	44323	\$14.54
1/4-28	H1	44331	\$14.54	44332	\$14.54	44333	\$14.54
1/4-28	H2	44341	\$14.54	44342	\$14.54	44343	\$14.54
1/4-28	H3	46131	\$14.04	46132	\$14.04	46133	\$14.04
1/4-28	H4	44351	\$14.54	44352	\$14.54	44353	\$14.54
5/16-18	H2	44361	\$16.00	44362	\$16.00	44363	\$16.00
5/16-18	H3	46141	\$18.35	46142	\$18.35	46143	\$18.35
5/16-18	H5	44371	\$16.00	44372	\$16.00	44373	\$16.00
5/16-24	H2	44381	\$16.59	44382	\$16.59	44383	\$16.59
5/16-24	H3	46151	\$18.35	46152	\$18.35	46153	\$18.35
5/16-24	H4	44391	\$16.59	44392	\$16.59	44393	\$16.59
3/8-16	H1	44401	\$19.25	44402	\$19.25	44403	\$19.25
3/8-16	H2	44411	\$19.25	44412	\$19.25	44413	\$19.25
3/8-16	H3	46161	\$19.68	46162	\$19.68	46163	\$19.68
3/8-16	H5	44421	\$19.25	44422	\$19.25	44423	\$19.25
3/8-24	H1	44431	\$19.25	44432	\$19.25	44433	\$19.25
3/8-24	H2	44441	\$19.25	44442	\$19.25	44443	\$19.25
3/8-24	H3	46171	\$19.68	46172	\$19.68	46173	\$19.68
3/8-24	H4	44451	\$19.25	44452	\$19.25	44453	\$19.25
7/16-14	H3	46181	\$28.54	46182	\$28.54	46183	\$28.54
7/16-14	H5	44461	\$32.30	44462	\$32.30	44463	\$32.30
7/16-20	H3	46191	\$28.54	46192	\$28.54	46193	\$28.54
7/16-20	H5	44471	\$32.30	44472	\$32.30	44473	\$32.30
1/2-13	H1	44481	\$35.19	44482	\$35.19	44483	\$35.19
1/2-13	H3	46201	\$29.50	46202	\$29.50	46203	\$29.50
1/2-13	H5	44491	\$35.19	44492	\$35.19	44493	\$35.19
1/2-20	H1	44501	\$35.19	44502	\$35.19	44503	\$35.19
1/2-20	H3	46211	\$31.97	46212	\$31.97	46213	\$31.97
1/2-20	H5	44511	\$35.19	44512	\$35.19	44513	\$35.19
9/16-12	H3	46221	\$43.50	46222	\$43.50	46223	\$43.50
9/16-12	H5	44521	\$43.64	44522	\$43.64	44523	\$43.64
9/16-18	H2	44531	\$45.39	44532	\$45.39	44533	\$45.39
9/16-18	H3	46231	\$43.50	46232	\$43.50	46233	\$43.50
9/16-18	H5	44541	\$45.39	44542	\$45.39	44543	\$45.39
5/8-11	H2	44551	\$69.38	44552	\$69.38	44553	\$69.38
5/8-11	H3	46241	\$49.50	46242	\$49.50	46243	\$49.50
5/8-11	H5	44561	\$69.38	44562	\$69.38	44563	\$69.38
5/8-18	H2	44571	\$69.38	44572	\$69.38	44573	\$69.38
5/8-18	H3	46251	\$49.50	46252	\$49.50	46253	\$49.50
5/8-18	H5	44581	\$69.38	44582	\$69.38	44583	\$69.38
11/16-11	H	44591	\$74.92	44592	\$74.92	44593	\$74.92
11/16-16	H3	44601	\$74.92	44602	\$74.92	44603	\$74.92
3/4-10	H3	46261	\$65.55	46262	\$65.55	46263	\$65.55
3/4-10	H5	44611	\$69.48	44612	\$69.48	44613	\$69.48
3/4-16	H1	44621	\$69.48	44622	\$69.48	44623	\$69.48
3/4-16	H2	44631	\$69.48	44632	\$69.48	44633	\$69.48
3/4-16	H3	46271	\$65.55	46272	\$65.55	46273	\$65.55
3/4-16	H5	44641	\$69.48	44642	\$69.48	44643	\$69.48
7/8-9	H4	46281	\$94.68	46282	\$94.68	46283	\$94.68
7/8-9	H6	44651	\$121.82	44652	\$121.82	44653	\$121.82
7/8-14	H2	44661	\$121.82	44662	\$121.82	44663	\$121.82
7/8-14	H4	46291	\$94.68	46292	\$94.68	46293	\$94.68
7/8-14	H6	44671	\$121.82	44672	\$121.82	44673	\$121.82
1-8	H4	46301	\$117.46	46302	\$117.46	46303	\$117.46
1-8	H6	44681	\$174.56	44682	\$174.56	44683	\$174.56
1-12	H4	46311	\$125.12	46312	\$125.12	46313	\$125.12
1-14	H4	46321	\$153.42	46322	\$153.42	46323	\$153.42
1 1/8-7	H4	46331	\$203.29	46332	\$203.29	46333	\$203.29
1 1/8-12	H4	46341	\$203.29	46342	\$203.29	46343	\$203.29
1 1/4-7	H4	46351	\$238.44	46352	\$238.44	46353	\$238.44
1 1/4-12	H4	46361	\$251.13	46362	\$251.13	46363	\$251.13
1 3/8-6	H4	46371	\$409.66	46372	\$409.66	46373	\$409.66
1 3/8-12	H4	46381	\$409.66	46382	\$409.66	46383	\$409.66
1 1/2-6	H4	46391	\$469.22	46392	\$469.22	46393	\$469.22
1 1/2-12	H4	46401	\$469.22	46402	\$469.22	46403	\$469.22

HSS Straight Flute Hand Taps

Types 23, 24, 25

Bright Finish Ground Thread Magnum Super Premium

Type 23, Type 24 and Type 25							
Size	H Limit	23 Part #	23 Price	24 Part #	24 Price	25 Part #	25 Price
0-80	H1	71661	\$16.32	71662	\$16.32	71663	\$16.32
0-80	H2	71671	\$16.32	71672	\$16.32	71673	\$16.32
1-64	H1	71681	\$16.32	71682	\$16.32	71683	\$16.32
1-64	H2	71691	\$16.32	71692	\$16.32	71693	\$16.32
1-72	H1	71701	\$16.32	71702	\$16.32	71703	\$16.32
1-72	H2	71711	\$16.32	71712	\$16.32	71713	\$16.32
2-56	H1	71721	\$20.46	71722	\$20.46	71723	\$20.46
2-56	H2	71231	\$19.12	71232	\$19.12	71233	\$19.12
2-64	H2	71731	\$16.28	71732	\$16.28	71733	\$16.28
3-48	H2	71741	\$17.04	71742	\$17.04	71743	\$17.04
3-48	H2	71251	\$15.22	71252	\$15.22	71253	\$15.22
3-56	H2	71751	\$18.29	71752	\$18.29	71753	\$18.29
4-40	H2	61001	\$8.68	61002	\$8.68	61003	\$8.68
4-48	H2	61011	\$8.68	61012	\$8.68	61013	\$8.68
5-40	H1	71761	\$9.46	71762	\$9.46	71763	\$9.46
5-40	H2	61021	\$8.68	61022	\$8.68	61023	\$8.68
5-44	H2	61031	\$8.68	61032	\$8.68	61033	\$8.68
6-32	H1	71771	\$7.28	71772	\$7.28	71773	\$7.28
6-32	H2	71781	\$7.28	71782	\$7.28	71783	\$7.28
6-32	H3	61041	\$6.87	61042	\$6.87	61043	\$6.87
6-40	H1	71791	\$7.81	71792	\$7.81	71793	\$7.81
6-40	H2	61051	\$7.85	61052	\$7.85	61053	\$7.85
8-32	H1	71801	\$7.28	71802	\$7.28	71803	\$7.28
8-32	H2	71811	\$7.28	71812	\$7.28	71813	\$7.28
8-32	H3	61061	\$6.97	61062	\$6.97	61063	\$6.97
8-36	H2	61071	\$7.96	61072	\$7.96	61073	\$7.96
10-24	H1	71821	\$7.92	71822	\$7.92	71823	\$7.92
10-24	H2	71831	\$7.92	71832	\$7.92	71833	\$7.92
10-24	H3	61081	\$7.57	61082	\$7.57	61083	\$7.57
10-32	H1	71841	\$7.89	71842	\$7.89	71843	\$7.89
10-32	H2	71851	\$7.89	71852	\$7.89	71853	\$7.89
10-32	H3	61091	\$7.57	61092	\$7.57	61093	\$7.57
12-24	H3	61101	\$7.90	61102	\$7.90	61103	\$7.90
12-28	H3	61111	\$7.90	61112	\$7.90	61113	\$7.90
1/4-20	H1	71861	\$8.28	71862	\$8.28	71863	\$8.28
1/4-20	H2	71871	\$8.28	71872	\$8.28	71873	\$8.28
1/4-20	H3	61121	\$7.90	61122	\$7.90	61123	\$7.90
1/4-20	H5	71881	\$8.28	71882	\$8.28	71883	\$8.28
1/4-28	H1	71891	\$8.28	71892	\$8.28	71893	\$8.28
1/4-28	H2	71901	\$8.28	71902	\$8.28	71903	\$8.28
1/4-28	H3	61131	\$7.90	61132	\$7.90	61133	\$7.90
1/4-28	H4	71911	\$8.28	71912	\$8.28	71913	\$8.28
5/16-18	H2	71921	\$10.40	71922	\$10.40	71923	\$10.40
5/16-18	H3	61141	\$9.62	61142	\$9.62	61143	\$9.62
5/16-18	H5	71931	\$10.40	71932	\$10.40	71933	\$10.40
5/16-24	H2	71941	\$10.78	71942	\$10.78	71943	\$10.78
5/16-24	H3	61151	\$9.62	61152	\$9.62	61153	\$9.62
5/16-24	H4	71951	\$10.78	71952	\$10.78	71953	\$10.78
3/8-16	H1	71961	\$11.61	71962	\$11.61	71963	\$11.61
3/8-16	H2	71971	\$11.61	71972	\$11.61	71973	\$11.61
3/8-16	H3	61161	\$10.56	61162	\$10.56	61163	\$10.56
3/8-16	H5	71981	\$11.61	71982	\$11.61	71983	\$11.61
3/8-24	H1	71991	\$11.61	71992	\$11.61	71993	\$11.61
3/8-24	H2	72001	\$11.61	72002	\$11.61	72003	\$11.61
3/8-24	H3	61171	\$10.56	61172	\$10.56	61173	\$10.56
3/8-24	H4	72011	\$11.61	72012	\$11.61	72013	\$11.61
7/16-14	H3	61181	\$18.44	61182	\$18.44	61183	\$18.44
7/16-14	H5	72021	\$20.11	72022	\$20.11	72023	\$20.11
7/16-20	H3	61191	\$18.44	61192	\$18.44	61193	\$18.44
7/16-20	H5	72031	\$20.11	72032	\$20.11	72033	\$20.11
1/2-13	H1	72041	\$25.01	72042	\$25.01	72043	\$25.01
1/2-13	H3	61201	\$21.75	61202	\$21.75	61203	\$21.75
1/2-13	H5	72051	\$25.01	72052	\$25.01	72053	\$25.01
1/2-20	H1	72061	\$25.01	72062	\$25.01	72063	\$25.01
1/2-20	H3	61211	\$21.75	61212	\$21.75	61213	\$21.75
1/2-20	H5	72071	\$25.01	72072	\$25.01	72073	\$25.01
9/16-12	H3	55011	\$33.64	55012	\$33.64	55013	\$33.64
9/16-12	H5	72081	\$35.15	72082	\$35.15	72083	\$35.15
9/16-18	H2	72091	\$35.15	72092	\$35.15	72093	\$35.15
9/16-18	H3	55021	\$33.64	55022	\$33.64	55023	\$33.64
9/16-18	H5	72101	\$35.15	72102	\$35.15	72103	\$35.15
5/8-11	H2	72111	\$43.48	72112	\$43.48	72113	\$43.48

HSS Straight Flute Hand Taps

Types 23, 24, 25

Bright Finish Ground Thread- Magnum Super Premium

Type 23, Type 24 and Type 25							
Size	H Limit	23 Part #	Price	24 Part #	Price	25 Part #	Price
5/8-11	H3	55031	\$39.52	55032	\$39.52	55033	\$39.52
5/8-11	H5	72121	\$43.48	72122	\$43.48	72123	\$43.48
5/8-18	H2	72131	\$43.48	72132	\$43.48	72133	\$43.48
5/8-18	H3	55041	\$39.52	55042	\$39.52	55043	\$39.52
5/8-18	H5	72141	\$43.48	72142	\$43.48	72143	\$43.48
11/16-11	H3	72151	\$46.96	72152	\$46.96	72153	\$46.96
11/16-16	H3	72161	\$50.71	72162	\$50.71	72163	\$50.71
3/4-10	H3	55051	\$52.71	55052	\$52.71	55053	\$52.71
3/4-10	H5	72171	\$55.87	72172	\$55.87	72173	\$55.87
3/4-16	H1	72181	\$55.87	72182	\$55.87	72183	\$55.87
3/4-16	H2	72191	\$55.87	72192	\$55.87	72193	\$55.87
3/4-16	H3	55061	\$52.71	55062	\$52.71	55063	\$52.71
3/4-16	H5	72201	\$55.87	72202	\$55.87	72203	\$55.87
7/8-9	H4	55071	\$79.47	55072	\$79.47	55073	\$79.47
7/8-9	H6	72211	\$82.64	72212	\$82.64	72213	\$82.64
7/8-14	H2	72221	\$82.64	72222	\$82.64	72223	\$82.64
7/8-14	H4	55081	\$79.47	55082	\$79.47	55083	\$79.47
7/8-14	H6	72231	\$82.64	72232	\$82.64	72233	\$82.64
1-8	H4	55091	\$110.66	55092	\$110.66	55093	\$110.66
1-8	H6	72241	\$118.41	72242	\$118.41	72243	\$118.41
1-12	H4	55101	\$110.66	55102	\$110.66	55103	\$110.66
1-14	H4	55111	\$110.66	55112	\$110.66	55113	\$110.66
1 1/8-7	H4	55121	\$177.80	55122	\$177.80	55123	\$177.80
1 1/8-12	H4	55131	\$188.18	55132	\$188.18	55133	\$188.18
1 1/4-7	H4	55141	\$199.69	55142	\$199.69	55143	\$199.69
1 1/4-12	H4	55151	\$199.69	55152	\$199.69	55153	\$199.69
1 3/8-6	H4	55161	\$292.00	55162	\$292.00	55163	\$292.00
1 3/8-12	H4	55171	\$299.79	55172	\$299.79	55173	\$299.79
1 1/2-6	H4	55181	\$337.43	55182	\$337.43	55183	\$337.43
1 1/2-12	H4	55191	\$345.21	55192	\$345.21	55193	\$345.21

SETS - HSS Straight Flute Hand Taps Machine Screw/Fractional - Taper, Plug, Bottoming Ground Thread - High Speed Steel

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

Type 26 - Bright Finish

SETS Type 26-AG, Type 26-AGN and Type 26							
Size	H Limit	26-AG Gold Oxide Part #	Price	26-AGN Titanium Nitride Part#	Price	26 Bright Part#	Price
2-56	H2	60663	\$50.68	46004	\$65.15	71724	\$57.36
3-48	H2	60683	\$40.31	46014	\$58.23	71744	\$45.66
4-40	H2	60703	\$32.54	46024	\$43.00	61004	\$25.44
4-48	H2	60723	\$32.54	45954	\$35.28	61014	\$25.44
5-40	H2	60733	\$32.54	46034	\$43.00	61024	\$25.44
5-44	H2	60743	\$35.15	45974	\$34.19	61034	\$25.44
6-32	H3	60753	\$25.74	46044	\$34.92	61044	\$20.43
6-40	H2	60763	\$29.43	46054	\$41.17	61054	\$23.07
8-32	H3	60773	\$26.16	46064	\$38.52	61064	\$20.76
8-36	H2	60783	\$29.85	46074	\$45.08	61074	\$23.07
10-24	H3	60793	\$28.33	46084	\$38.43	61084	\$21.88
10-32	H3	60803	\$28.33	46094	\$38.43	61094	\$21.88
12-24	H3	60813	\$31.31	46104	\$47.01	61104	\$23.72
12-28	H3	60823	\$31.31	46114	\$47.01	61114	\$23.72
1/4-20	H3	60833	\$31.35	46124	\$42.10	61124	\$23.72
1/4-28	H3	60843	\$31.35	46134	\$42.10	61134	\$23.72
5/16-18	H3	60853	\$33.53	46144	\$55.06	61144	\$27.41
5/16-24	H3	60863	\$33.53	46154	\$55.06	61154	\$27.41
3/8-16	H3	60873	\$39.58	46164	\$59.04	61164	\$30.32
3/8-24	H3	60883	\$39.58	46174	\$59.04	61174	\$30.32
7/16-14	H3	60893	\$67.04	46184	\$85.60	61184	\$54.82
7/16-20	H3	60903	\$67.04	46194	\$85.60	61194	\$54.82
1/2-13	H3	60913	\$69.23	46204	\$88.51	61204	\$62.94
1/2-20	H3	60923	\$69.23	46214	\$95.93	61214	\$62.94

Continued on the Next column

SETS - HSS Straight Flute Hand Taps Machine Screw/Fractional Sets - Taper, Plug, Bottoming Ground Thread - High Speed Steel

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

Type 26 - Bright Finish

SETS Type 26-AG, Type 26-AGN & Type 26							
Size	H Limit	26-AG Gold Oxide Part #	Price	26-AGN TIN Coated Part#	Price	26 Bright Part#	Price
9/16-12	H3	60953	\$97.55	46224	\$130.50	55014	\$98.84
9/16-18	H3	60963	\$97.55	46234	\$130.49	55024	\$98.84
5/8-11	H3	60973	\$109.83	46244	\$148.49	55034	\$118.61
5/8-18	H3	60983	\$109.83	46254	\$148.49	55044	\$118.61
3/4-10	H3	60993	\$145.45	46264	\$196.64	55054	\$158.15
3/4-16	H3	61403	\$145.45	46274	\$196.64	55064	\$158.15
7/8-9	H4	61413	\$210.04	46284	\$284.04	55074	\$234.59
7/8-14	H4	61423	\$210.04	46294	\$284.04	55084	\$234.59
1"-8	H4	61433	\$260.60	46304	\$352.40	55094	\$329.50
1"-12	H4	61443	\$277.65	46314	\$375.35	55104	\$331.99
1"-14	H4	27573	\$277.65	46324	\$460.26	55114	\$331.99
1"-1/8-7	H4	61453	\$451.02	46334	\$609.87	55124	\$533.40
1"-1/8-12	H4	61463	\$451.02	46344	\$609.87	55134	\$564.53
1"-1/4-7	H4	61473	\$529.05	46354	\$715.32	55144	\$599.06
1"-1/4-12	H4	61483	\$529.05	46364	\$753.41	55154	\$599.06
1"-3/8-6	H4	61493	\$908.95	46374	\$1,228.97	55164	\$876.00
1"-3/8-12	H4	61503	\$908.95	46384	\$1,228.97	55174	\$876.00
1"-1/2-6	H4	61513	\$1,040.25	46394	\$1,407.66	55184	\$1,012.29
1"-1/2-12	H4	61523	\$1,040.25	46404	\$1,040.25	55194	\$1,035.62

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

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

Type 31-AG, Type 32-AG and Type 33-AG							
Size	PD Limit	31-AG Part #	Price	32-AG Part #	Price	33-AG Part #	Price
1.6-0.35	D3	60329	\$17.06	61569	\$17.06	61561	\$17.06
1.8-0.35	D3	60339	\$17.06	61579	\$17.06	61571	\$17.06
2.0-0.40	D3	60349	\$17.06	61589	\$17.06	61581	\$17.06
2.2-0.45	D3	60359	\$17.06	61599	\$17.06	61591	\$17.06
2.5-0.45	D3	60379	\$10.06	61629	\$10.06	61681	\$10.06
3.0-0.50	D3	60389	\$8.77	61631	\$8.77	61682	\$8.77
3.5-0.60	D3	60519	\$10.42	61632	\$10.42	61683	\$10.42
4.0-0.70	D4	60529	\$10.42	61633	\$10.42	61684	\$10.42
4.5-0.75	D4	60369	\$10.69	61634	\$10.69	61689	\$10.69
5.0-0.80	D4	60539	\$10.69	61639	\$10.69	61691	\$10.69
6.0-1.00	D5	60549	\$8.89	61641	\$8.89	61692	\$8.89
7.0-1.00	D5	60559	\$8.89	61642	\$8.89	61693	\$8.89
8.0-1.00	D5	60569	\$13.44	61643	\$13.44	61694	\$13.44
8.0-1.25	D5	60579	\$13.44	61644	\$13.44	61699	\$13.44
10.0-1.25	D5	60589	\$15.63	61649	\$15.63	61701	\$15.63
10.0-1.50	D6	60611	\$15.63	61651	\$15.63	61702	\$15.63
12.0-1.25	D5	61601	\$24.55	61652	\$24.55	61703	\$24.55
12.0-1.50	D5	61901	\$24.55	61911	\$24.55	61921	\$24.55
12.0-1.75	D6	61602	\$24.55	61653	\$24.55	61704	\$24.55
14.0-1.50	D6	61603	\$27.72	61654	\$27.72	61709	\$27.72
14.0-2.00	D7	61604	\$27.72	61659	\$27.72	61711	\$27.72
16.0-1.50	D6	61609	\$34.04	61661	\$34.04	61712	\$34.04
16.0-2.00	D7	61611	\$34.04	61662	\$34.04	61713	\$34.04
18.0-1.50	D6	61281	\$45.73	61282	\$45.73	61283	\$45.73
18.0-2.50	D7	61612	\$45.73	61663	\$45.73	61714	\$45.73
20.0-1.50	D6	66361	\$62.13	66362	\$62.13	66363	\$62.13
20.0-2.50	D7	61613	\$62.13	61664	\$62.13	61719	\$62.13
22.0-1.50	D6	66371	\$64.68	66372	\$64.68	66373	\$64.68
22.0-2.50	D7	66381	\$64.68	66382	\$64.68	66383	\$64.68
24.0-2.00	D7	66391	\$83.00	66392	\$83.00	66393	\$83.00

Continued on the Next page

HSS Straight Flute Hand Taps



Magnum Super Premium

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

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

Type 31-AG, Type 32-AG and Type 33-AG						
Size	PD Limit	31-AG Part #	Price	32-AG Part #	Price	33-AG Part # Price
24.0-3.00	D8	61614	\$83.00	61669	\$83.00	61721 \$83.00
27.0-2.00	D7	66401	\$120.33	66402	\$120.33	66403 \$120.33
27.0-3.00	D8	61619	\$120.33	61671	\$120.33	61722 \$120.33
30.0-2.00	D7	66411	\$175.14	66412	\$175.14	66413 \$175.14
30.0-3.50	D9	61621	\$175.14	61672	\$175.14	61723 \$175.14
33.0-2.00	D7	66421	\$180.39	66422	\$180.39	66423 \$180.39
33.0-3.50	D9	61622	\$180.39	61673	\$180.39	61724 \$180.39
36.0-3.00	D8	66431	\$238.62	66432	\$238.62	66433 \$238.62
36.0-4.00	D9	61623	\$238.62	61674	\$238.62	61729 \$238.62
39.0-3.00	D8	66441	\$379.65	66442	\$379.65	66443 \$379.65
39.0-4.00	D9	61624	\$379.65	61679	\$379.65	61731 \$379.65

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

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

Type 31-AGN, Type 32-AGN & Type 33-AGN						
Size	PD Limit	31-AGN Part #	Price	32-AGN Part #	Price	33-AGN Part # Price
1.6-0.35	D3	37661	\$18.56	37662	\$18.56	37663 \$18.56
1.8-0.35	D3	37691	\$18.56	37692	\$18.56	37693 \$18.56
2.0-0.40	D3	37711	\$18.56	37712	\$18.56	37713 \$18.56
2.2-0.45	D3	37701	\$18.56	37702	\$18.56	37703 \$18.56
2.5-0.45	D3	37731	\$17.50	37732	\$17.50	37733 \$17.50
3.0-0.50	D3	37741	\$13.44	37742	\$13.44	37743 \$13.44
3.5-0.60	D3	37751	\$16.61	37752	\$16.61	37753 \$16.61
4.0-0.70	D4	37761	\$16.61	37762	\$16.61	37763 \$16.61
4.5-0.75	D4	37771	\$16.61	37772	\$16.61	37773 \$16.61
5.0-0.80	D4	37781	\$14.35	37782	\$14.35	37783 \$14.35
6.0-1.00	D5	37791	\$17.14	37792	\$17.14	37793 \$17.14
7.0-1.00	D5	37801	\$19.03	37802	\$19.03	37803 \$19.03
8.0-1.00	D5	37811	\$19.33	37812	\$19.33	37813 \$19.33
8.0-1.25	D5	37821	\$19.33	37822	\$19.33	37823 \$19.33
10.0-1.25	D5	37831	\$29.85	37832	\$29.85	37833 \$29.85
10.0-1.50	D6	37841	\$29.79	37842	\$29.79	37843 \$29.79
12.0-1.25	D5	37851	\$32.33	37852	\$32.33	37853 \$32.33
12.0-1.50	D5	38451	\$32.33	38452	\$32.33	38453 \$32.33
12.0-1.75	D6	37861	\$33.28	37862	\$33.28	37863 \$33.28
14.0-1.50	D6	37871	\$48.51	37872	\$48.51	37873 \$48.51
14.0-2.00	D7	37881	\$48.51	37882	\$48.51	37883 \$48.51
16.0-1.50	D6	37891	\$57.75	37892	\$57.75	37893 \$57.75
16.0-2.00	D7	37901	\$57.75	37902	\$57.75	37903 \$57.75
18.0-1.50	D6	38491	\$70.76	38492	\$70.76	38493 \$70.76
18.0-2.50	D7	37911	\$70.76	37912	\$70.76	37913 \$70.76
20.0-1.50	D6	38501	\$83.17	38502	\$83.17	38503 \$83.17
20.0-2.50	D7	37921	\$83.17	37922	\$83.17	37923 \$83.17
22.0-1.50	D6	38521	\$86.58	38522	\$86.58	38523 \$86.58
22.0-2.50	D7	38531	\$86.58	38532	\$86.58	38533 \$86.58
24.0-2.00	D7	38541	\$128.67	38542	\$128.67	38543 \$128.67
24.0-3.00	D8	37931	\$128.67	37932	\$128.67	37933 \$128.67

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

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

Type 31, Type 32 and Type 33						
Size	PD Limit	31 Part #	Price	32 Part #	Price	33 Part # Price
1.6-0.35	D3	54691	\$18.86	54692	\$18.86	54693 \$18.86
1.8-0.35	D3	54701	\$18.86	54702	\$18.86	54703 \$18.86
2.0-0.40	D3	54711	\$18.86	54712	\$18.86	54713 \$18.86
2.2-0.45	D3	54721	\$18.86	54722	\$18.86	54723 \$18.86
2.5-0.45	D3	54731	\$11.66	54732	\$11.66	54733 \$11.66
3.0-0.50	D3	54741	\$9.71	54742	\$9.71	54743 \$9.71
3.5-0.60	D3	54751	\$8.00	54752	\$8.00	54753 \$8.00
4.0-0.70	D4	54761	\$9.19	54762	\$9.19	54763 \$9.19
4.5-0.75	D4	54771	\$8.01	54772	\$8.01	54773 \$8.01
5.0-0.80	D4	54781	\$8.01	54782	\$8.01	54783 \$8.01
6.0-1.00	D5	54791	\$9.84	54792	\$9.84	54793 \$9.84
7.0-1.00	D5	54801	\$9.24	54802	\$9.24	54803 \$9.24
8.0-1.00	D5	54811	\$10.34	54812	\$10.34	54813 \$10.34
8.0-1.25	D5	54821	\$10.73	54822	\$10.73	54823 \$10.73
10.0-1.25	D5	54831	\$17.33	54832	\$17.33	54833 \$17.33
10.0-1.50	D6	54841	\$25.68	54842	\$25.68	54843 \$25.68
12.0-1.25	D5	54851	\$29.00	54852	\$29.00	54853 \$29.00
12.0-1.50	D6	55201	\$23.34	55202	\$23.34	55203 \$23.34
12.0-1.75	D6	54861	\$20.44	54862	\$20.44	54863 \$20.44
14.0-1.50	D6	54871	\$30.66	54872	\$30.66	54873 \$30.66
14.0-2.00	D7	54881	\$30.66	54882	\$30.66	54883 \$30.66
16.0-1.50	D6	54891	\$37.64	54892	\$37.64	54893 \$37.64
16.0-2.00	D7	54901	\$37.64	54902	\$37.64	54903 \$37.64
18.0-1.50	D6	54911	\$50.59	54912	\$50.59	54913 \$50.59
18.0-2.50	D7	54921	\$50.59	54922	\$50.59	54923 \$50.59
20.0-1.50	D6	55251	\$68.74	55252	\$68.74	55253 \$68.74
20.0-2.50	D7	54931	\$68.74	54932	\$68.74	54933 \$68.74
22.0-1.50	D6	55261	\$71.54	55262	\$71.54	55263 \$71.54
22.0-2.50	D7	55271	\$71.54	55272	\$71.54	55273 \$71.54
24.0-2.00	D7	55281	\$91.82	55282	\$91.82	55283 \$91.82
24.0-3.00	D8	54941	\$91.82	54942	\$91.82	54943 \$91.82
27.0-2.00	D7	55291	\$133.12	55292	\$133.12	55293 \$133.12
27.0-3.00	D8	54951	\$133.12	54952	\$133.12	54953 \$133.12
30.0-2.00	D7	55301	\$193.76	55302	\$193.76	55303 \$193.76
30.0-3.50	D9	54961	\$193.76	54962	\$193.76	54963 \$193.76
33.0-2.00	D7	55311	\$199.57	55312	\$199.57	55313 \$199.57
33.0-3.50	D9	54971	\$199.57	54972	\$199.57	54973 \$199.57
36.0-3.00	D8	55321	\$263.98	55322	\$263.98	55323 \$263.98
36.0-4.00	D9	54981	\$263.98	54982	\$263.98	54983 \$263.98
39.0-3.00	D8	55331	\$420.01	55332	\$420.01	55333 \$420.01
39.0-4.00	D9	54991	\$420.01	54992	\$420.01	54993 \$420.01

SETS - METRIC Straight Flute Hand Tap Ground Thread - High Speed Steel Type 35-AG - Gold Oxide, Type 35-AGN - Titanium Nitride Type 35 - Bright Finish

SETS Type 35-AG, Type 35-AGN and Type 35 Sets						
Size	PD Limit	35-AG Gold Oxide Part #	Price	35-AGN Titanium Nitride Part #	Price	35 Bright Finish Part # Price
3.0-0.50	D3	61741	\$26.33	37744	\$40.30	54744 \$29.13
4.0-0.70	D4	61742	\$31.25	37764	\$49.84	54764 \$27.59
5.0-0.80	D4	61743	\$32.07	37784	\$43.05	54784 \$24.03
6.0-1.00	D5	61744	\$26.68	37794	\$51.42	54794 \$29.51
7.0-1.00	D5	61749	\$26.68	37804	\$57.09	54804 \$27.72
8.0-1.00	D5	61751	\$40.31	37374	\$58.00	54814 \$31.04
8.0-1.25	D5	61752	\$40.31	37824	\$58.00	54824 \$32.20
10.0-1.25	D5	61753	\$46.87	37834	\$89.54	54834 \$51.99
10.0-1.50	D6	61754	\$46.87	37844	\$89.38	54844 \$52.00
12.0-1.25	D5	61759	\$73.64	37854	\$96.99	54854 \$86.99
12.0-1.75	D6	61761	\$73.64	37864	\$99.84	54864 \$61.33
14.0-1.50	D6	61762	\$83.15	37874	\$145.54	54874 \$91.98
14.0-2.00	D7	61763	\$83.15	37884	\$145.54	54884 \$91.98
16.0-1.50	D6	61764	\$102.09	37894	\$173.25	54894 \$112.93
16.0-2.0	D7	61769	\$102.09	37904	\$173.25	54904 \$112.93
18.0-2.50	D7	61772	\$137.19	37914	\$212.27	54924 \$206.20
20.0-2.50	D7	61774	\$186.39	37924	\$249.51	54934 \$206.20

Straight Flute Taps - Left-Hand Thread

Types 23L-AG (Taper)

Type 24L-AG (Plug)

Type 25L-AG (Bottoming)

**Gold Surface Treated
Magnum Super Premium**

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



Type 23L-AG Taper Style		
Part No.	Size	Price
60223	6-32	\$12.05
60243	8-32	\$13.11
60263	10-24	\$13.11
60273	10-32	\$13.11
60323	1/4-20	\$13.74
60333	1/4-28	\$13.74
60343	5/16-18	\$15.40
60353	5/16-24	\$15.40
60363	3/8-16	\$19.94
60373	3/8-24	\$19.94
60383	7/16-14	\$29.06
60393	7/16-20	\$29.06
60403	1/2-13	\$33.96
60413	1/2-20	\$33.96
60423	9/16-12	\$56.40
60433	9/16-18	\$56.40
60443	5/8-11	\$64.25
60453	5/8-18	\$64.25
60463	11/1611	\$69.93
60473	11/1616	\$69.93
60483	3/4-10	\$75.82
60493	3/4-16	\$75.82
60503	7/8-9	\$104.06
60513	7/8-14	\$104.06
60523	1-8	\$113.55
60533	1-12	\$113.55
60543	1-14	\$113.55
60553	1-1/8-7	\$286.29
60563	1-1/812	\$286.29
60573	1-1/4-7	\$361.40
60583	1-1/412	\$361.40
60593	1-3/8-6	\$450.18
60603	1-3/812	\$450.18
60613	1-1/2-6	\$524.25
60609	1-1/212	\$524.25



Type 24L-AG Plug Style		
Part No.	Size	Price
60222	6-32	\$12.05
60242	8-32	\$13.11
60262	10-24	\$13.11
60272	10-32	\$13.11
60322	1/4-20	\$13.74
60332	1/4-28	\$13.74
60342	5/16-18	\$15.40
60352	5/16-24	\$15.40
60362	3/8-16	\$19.94
60372	3/8-24	\$19.94
60382	7/16-14	\$29.06
60392	7/16-20	\$29.06
60402	1/2-13	\$33.96
60412	1/2-20	\$33.96
60422	9/16-12	\$56.40
60432	9/16-18	\$56.40
60442	5/8-11	\$64.25
60452	5/8-18	\$64.25

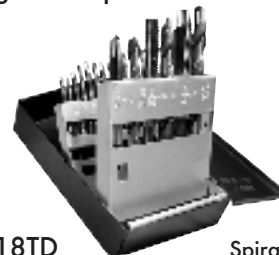
Type 24L-AG Plug Style		
Part No.	Size	Price
60462	11/1611	\$69.93
60472	11/1616	\$69.93
60482	3/4-10	\$75.82
60492	3/4-16	\$75.82
60502	7/8-9	\$104.06
60512	7/8-14	\$104.06
60522	1-8	\$113.55
60532	1-12	\$113.55
60542	1-14	\$113.55
60552	1-1/8-7	\$286.29
60562	1-1/812	\$286.29
60572	1-1/4-7	\$361.40
60582	1-1/412	\$361.40
60592	1-3/8-6	\$450.18
60602	1-3/812	\$450.18
60612	1-1/2-6	\$524.25
60619	1-1/212	\$524.25



Type 25L-AG Bottoming Style		
Part No.	Size	Price
60224	6-32	\$12.05
60244	8-32	\$13.11
60264	10-24	\$13.11
60274	10-32	\$13.11
60324	1/4-20	\$13.74
60334	1/4-28	\$13.74
60344	5/16-18	\$15.40
60354	5/16-24	\$15.40
60364	3/8-16	\$19.94
60374	3/8-24	\$19.94
60384	7/16-14	\$29.06
60394	7/16-20	\$29.06
60404	1/2-13	\$33.96
60414	1/2-20	\$33.96
60424	9/16-12	\$56.40
60434	9/16-18	\$56.40
60444	5/8-11	\$64.25
60454	5/8-18	\$64.25
60464	11/1611	\$69.93
60474	11/1616	\$69.93
60484	3/4-10	\$75.82
60494	3/4-16	\$75.82
60504	7/8-9	\$104.06
60514	7/8-14	\$104.06
60524	1-8	\$113.55
60534	1-12	\$113.55
60544	1-14	\$113.55
60554	1-1/8-7	\$286.29
60564	1-1/812	\$286.29
60574	1-1/4-7	\$361.40
60584	1-1/412	\$361.40
60594	1-3/8-6	\$450.18
60604	1-3/812	\$450.18
60614	1-1/2-6	\$524.25
60599	1-1/212	\$524.25

Tap & Drill Sets

Magnum Super Premium



SP-18TD Spiral Point, NC

Part No.	Description	Price
57580	190-AG Drills 20-AG Taps	\$177.64

SP-18TDM Spiral Point, Metric

Part No.	Description	Price
57990	170-AG Drills 21-AG Taps(mm)	\$209.15

SP-18TDF Spiral Point, NF

Part No.	Description	Price
58010	190-AG Drills 20-AG Taps	\$185.42

SP-12TD Spiral Point, NC

Part No.	Description	Price
58501	190-AG Drills 20-AG Taps	\$88.29

SF-18TDC Straight Flute, NC

Part No.	Description	Price
60930	190-AG Drills 24-AG Taps	\$171.17

SF-18TDF Straight Flute, NF

Part No.	Description	Price
60940	190-AG Drills 24-AG Taps	\$178.23

SF-10TD Straight Flute, NC

Part No.	Description	Price
58500	190-AG Drills 130-AG Drills 24-AG Taps	\$645.53

B-18TD 118° Point Drills Maint.

Part No.	Description	Price
60541	Type 100 Drill Type 20 Tap	\$155.65

Fractional/Metric 30° Semi-Bottoming Taps

Spiral Flutes 30°

Fractional/Metric Spiral Flute Semi-Bottoming Taps

Right Hand Hi-Helix Flutes - Ground Thread - High Speed Steel

Type 36-ACN - 30°, 38-ACN - 30° -Titanium Carbon Nitride

Type 36-AGN - 30°, 38-AGN - 30° -Titanium Nitride

Type 36 - 30°, 38 - 30° -Bright Finish

30° Helix Angle - *Recommended when tapping blind or through holes in a variety of materials.*

- **Titanium Carbon Nitride** - coating raises cutting surface hardness greatly increasing resistance to wear.
- **Titanium Nitride** - coating adds lubricity and hardness, enhancing chip flow, finish hole quality and drill life.
- **Bright Finish** - Recommended in aluminum, zinc, cooper, wood, refrigeration die casting, auto hardware and epoxy based plastics.

Type 36-ACN - Spiral 30° Titanium Carbon Nitride		
Part #	Size	Price
49804	3-48	\$34.28
49814	3-56	\$37.46
49824	4-40	\$28.82
49834	4-48	\$32.25
49844	5-40	\$28.82
49854	5-44	\$32.25
49864	6-32	\$28.33
49874	6-40	\$31.74
49884	8-32	\$27.17
49894	8-36	\$31.74
49904	10-24	\$27.92
49914	10-32	\$27.91
49924	12-24	\$31.74
49934	12-28	\$31.74
49944	1/4-20	\$28.68
49954	1/4-28	\$28.68
49964	5/16-18	\$34.38
49974	5/16-24	\$34.38
49984	3/8-16	\$36.47
49994	3/8-24	\$38.03
50004	7/16-14	\$56.57
50014	7/16-20	\$56.57
50024	1/2-13	\$64.16
50034	1/2-20	\$64.16
50044	9/16-12	\$104.84
50054	9/16-18	\$104.84
50064	5/8-11	\$112.22
50074	5/8-18	\$112.22
50084	3/4-10	\$156.21
50094	3/4-16	\$156.21

Type 36-AGN - Spiral 30° Titanium Nitride		
Part #	Size	Price
49803	3-48	\$32.79
49813	3-56	\$35.97
49823	4-40	\$27.32
49833	4-48	\$30.76
49843	5-40	\$27.32
49853	5-44	\$30.76
49863	6-32	\$24.27
49873	6-40	\$29.32
49883	8-32	\$24.73
49893	8-36	\$29.32
49903	10-24	\$25.49
49913	10-32	\$25.49
49923	12-24	\$29.32
49933	12-28	\$29.32
49943	1/4-20	\$26.24
49953	1/4-28	\$26.24
49963	5/16-18	\$31.54
49973	5/16-24	\$31.54
49983	3/8-16	\$33.64
49993	3/8-24	\$35.22
50003	7/16-14	\$53.26
50013	7/16-20	\$53.26
50023	1/2-13	\$60.86
50033	1/2-20	\$60.86
50043	9/16-12	\$101.51
50053	9/16-18	\$0.00
50063	5/8-11	\$106.72
50073	5/8-18	\$106.72
50083	3/4-10	\$151.50
50093	3/4-16	\$151.50

Type 36 - Spiral 30° Bright		
Part #	Size	Price
49802	3-48	\$27.81
49812	3-56	\$30.97
49822	4-40	\$22.33
49832	4-48	\$25.78
49842	5-40	\$22.33
49852	5-44	\$25.78
49862	6-32	\$16.15
49872	6-40	\$21.19
49882	8-32	\$16.60
49892	8-36	\$21.19
49902	10-24	\$17.37
49912	10-32	\$17.37
49922	12-24	\$21.19
49932	12-28	\$21.19
49942	1/4-20	\$18.12
49952	1/4-28	\$18.12
49962	5/16-18	\$22.10
49972	5/16-24	\$22.11
49982	3/8-16	\$24.21
49992	3/8-24	\$25.78
50002	7/16-14	\$42.25
50012	7/16-20	\$42.26
50022	1/2-13	\$49.84
50032	1/2-20	\$49.86
50042	9/16-12	\$86.32
50052	9/16-18	\$86.32
50062	5/8-11	\$92.47
50072	5/8-18	\$92.47
50082	3/4-10	\$135.78
50092	3/4-16	\$135.78

METRIC Type 38-ACN, Type 38-AGN, Type 38							
Titanium Carbon Nitride Type 38-ACN Part #	Titanium Nitride Type 38-AGN Part #	Bright Finish Type 38 Part #	Size	Spiral	Titanium Carbon Nitride Type 38-ACN Price	Titanium Nitride Type 38-AGN Price	Bright Finish Type 38 Price
69014	69013	69012	3.00 x .50	30°	\$38.05	\$36.56	\$31.58
69024	69023	69022	3.50 x .60	30°	\$38.06	\$35.64	\$27.52
69034	69033	69032	4.00 x .70	30°	\$38.06	\$35.64	\$27.52
69044	69043	69042	4.50 x .75	30°	\$37.00	\$34.56	\$26.43
69054	69053	69052	5.00 x .80	30°	\$38.07	\$35.64	\$27.52
69064	69063	69062	6.00 x 1.00	30°	\$38.07	\$35.64	\$27.52
69074	69073	69072	8.00 x 1.25	30°	\$43.83	\$41.02	\$31.58
69084	69083	69082	10.00 x 1.50	30°	\$66.27	\$62.96	\$51.95
69094	69093	69092	12.00 x 1.75	30°	\$77.92	\$74.62	\$63.60

Fractional/Metric 52° Semi-Bottoming Taps

Spiral Flutes 52°



Fractional/Metric Spiral Flute Semi-Bottoming Taps Right Hand Hi-Helix Flutes - Ground Thread - High Speed Steel

Type 37-ACN - 52°, 39-ACN - 52° -Titanium Carbon Nitride

Type 37-AGN - 52°, 39-AGN - 52° -Titanium Nitride

Type 37 - 52°, 39 - 52° -Bright

52° Helix Angle - Recommended for tapping deep holes in copper, brass, aluminum and other soft ductile materials

- **Titanium Carbon Nitride** - coating raises cutting surface hardness greatly increasing resistance to wear.
- **Titanium Nitride** - coating adds lubricity and hardness, enhancing chip flow, finish hole quality and drill life.
- **Bright Finish** - Recommended in aluminum, zinc, copper, wood, refrigeration die casting, auto hardware and epoxy based plastics.

Type 37-ACN - Spiral 52° Titanium Carbon Nitride		
Part #	Size	Price
52854	3-48	\$36.15
52864	3-56	\$39.52
52874	4-40	\$30.29
52884	4-48	\$33.99
52894	5-40	\$30.29
52904	5-44	\$33.99
52914	6-32	\$27.77
52924	6-40	\$33.17
52934	8-32	\$28.28
52944	8-36	\$33.17
52954	10-24	\$29.05
52964	10-32	\$29.05
52974	12-24	\$33.17
52984	12-28	\$33.17
52994	1/4-20	\$29.89
53004	1/4-28	\$29.89
53014	5/16-18	\$35.85
53024	5/16-24	\$35.85
53034	3/8-16	\$38.07
53044	3/8-24	\$39.75
53054	7/16-14	\$59.38
53064	7/16-20	\$59.38
53074	1/2-13	\$67.47
53084	1/2-20	\$67.47
53094	9/16-12	\$111.80
53104	9/16-18	\$111.80
53114	5/8-11	\$117.15
53124	5/8-18	\$117.15
53134	3/4-10	\$165.26
53144	3/4-16	\$165.26

Type 37-AGN - Spiral 52° Titanium Nitride		
Part #	Size	Price
52853	3-48	\$34.66
52863	3-56	\$38.03
52873	4-40	\$28.79
52883	4-48	\$32.50
52893	5-40	\$28.79
52903	5-44	\$32.50
52913	6-32	\$25.36
52923	6-40	\$30.73
52933	8-32	\$25.84
52943	8-36	\$30.73
52953	10-24	\$26.64
52963	10-32	\$26.64
52973	12-24	\$30.73
52983	12-28	\$30.73
52993	1/4-20	\$27.45
53003	1/4-28	\$27.45
53013	5/16-18	\$33.01
53023	5/16-24	\$33.01
53033	3/8-16	\$35.25
53043	3/8-24	\$36.91
53053	7/16-14	\$55.40
53063	7/16-20	\$55.40
53073	1/2-13	\$63.48
53083	1/2-20	\$63.48
53093	9/16-12	\$106.29
53103	9/16-18	\$106.29
53113	5/8-11	\$112.88
53123	5/8-18	\$112.88
53133	3/4-10	\$159.07
53143	3/4-16	\$159.07

Type 37 - Spiral 52° Bright		
Part #	Size	Price
52852	3-48	\$29.67
52862	3-56	\$33.05
52872	4-40	\$23.81
52882	4-48	\$27.52
52892	5-40	\$23.81
52902	5-44	\$27.52
52912	6-32	\$17.23
52922	6-40	\$22.61
52932	8-32	\$17.72
52942	8-36	\$22.61
52952	10-24	\$18.51
52962	10-32	\$18.51
52972	12-24	\$22.61
52982	12-28	\$22.61
52992	1/4-20	\$19.33
53002	1/4-28	\$19.33
53012	5/16-18	\$23.59
53022	5/16-24	\$23.59
53032	3/8-16	\$25.81
53042	3/8-24	\$27.48
53052	7/16-14	\$45.08
53062	7/16-20	\$45.08
53072	1/2-13	\$53.16
53082	1/2-20	\$53.16
53092	9/16-12	\$92.05
53102	9/16-18	\$92.05
53112	5/8-11	\$98.64
53122	5/8-18	\$98.64
53132	3/4-10	\$144.82
53142	3/4-16	\$144.82

METRIC Type 39-ACN, Type 39-AGN, Type 39							
Titanium Carbon Nitride Type 39-ACN Part #	Titanium Nitride Type 39-AGN Part #	Bright Finish Type 39 Part #	Size	Spiral	Titanium Carbon Nitride Type 39-ACN Price	Titanium Nitride Type 39-AGN Price	Bright Finish Type 39 Price
69314	69313	69312	3.00 x .50	52°	\$40.15	\$38.65	\$33.67
69324	69323	69322	3.50 x .60	52°	\$39.90	\$37.47	\$29.35
69334	69333	69332	4.00 x .70	52°	\$39.90	\$37.47	\$29.35
69344	69343	69342	4.50 x .75	52°	\$38.78	\$36.40	\$28.22
69354	69353	69352	5.00 x .80	52°	\$39.90	\$37.47	\$29.35
69364	69363	69362	6.00 x 1.00	52°	\$39.90	\$37.47	\$29.35
69374	69373	69372	8.00 x 1.25	52°	\$45.93	\$43.11	\$33.67
69384	69383	69382	10.00 x 1.50	52°	\$69.73	\$66.43	\$55.41
69394	69393	69392	12.00 x 1.75	52°	\$82.15	\$78.84	\$67.84

High Performance Reduced Neck Spiral Point Taps

Machine Screw/Fractional & METRIC

Machine Screw/Fractional & METRIC

Gold Oxide - High Performance Reduced Neck Spiral Point Taps

Type 29-AG - High-Speed Spiral Point

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



Gold Oxide			Type 29-AG					
Part #	Size	Price	Part #	Size	Price	Part #	Size	Price
44264	2-56	\$20.63	44370	12-24A	\$13.70	20163	9/16-12	\$41.79
44284	3-48	\$16.42	44384	12-28	\$11.30	20173	9/16-18	\$41.79
44300	4-40	\$13.19	44380	12-28A	\$13.70	20183	5/8-11	\$56.69
44294	4-48	\$14.86	20013	1/4-20	\$12.25	20193	5/8-18	\$56.69
44304	5-40	\$13.27	20010	1/4-20A	\$14.85	20203	3/4-10	\$77.77
44309	5-44	\$14.47	20023	1/4-28	\$12.25	20213	3/4-16	\$82.84
44310	6-32	\$12.33	20020	1/4-28A	\$14.85	20223	7/8-9	\$116.70
44320	6-40	\$12.33	20033	5/16-18	\$13.69	20233	7/8-14	\$116.70
44334	8-32	\$8.67	20030	5/1618A	\$16.60	20243	1-8	\$162.52
44330	8-32A	\$12.33	20043	5/16-24	\$13.69	20253	1-14	\$162.52
44344	8-36	\$8.67	20040	5/1624A	\$16.60			
44340	8-36A	\$12.33	20050	3/8-16	\$18.84			
44354	10-24	\$8.67	20060	3/8-24	\$18.84			
44350	10-24A	\$12.33	20100	7/16-14	\$22.87			
44364	10-32	\$8.67	20110	7/16-20	\$22.65			
44360	10-32A	\$12.33	20120	1/2-13	\$23.34			
44374	12-24	\$11.30	20130	1/2-20	\$24.42			

Titanium Nitride - High Performance Reduced Neck Spiral Point Taps

Type 29-AGN - High-Speed Spiral Point



TiN Coated			Type 29-AGN					
Part #	Size	Price	Part #	Size	Price	Part #	Size	Price
09501	2-56	\$29.00	09671	12-24A	\$23.03	09841	9/16-12	\$62.73
09511	3-48	\$23.88	09681	12-28	\$20.09	09851	9/16-18	\$62.73
09521	4-40	\$21.97	09691	12-28A	\$23.03	09861	5/8-11	\$80.86
09531	4-48	\$19.94	09701	1/4-20	\$21.25	09871	5/8-18	\$80.86
09541	5-40	\$20.04	09711	1/4-20A	\$24.42	09881	3/4-10	\$107.74
09551	5-44	\$21.49	09721	1/4-28	\$21.25	09891	3/4-16	\$113.91
09561	6-32	\$21.35	09731	1/4-28A	\$24.42	09901	7/8-9	\$163.31
09571	6-40	\$21.35	09741	5/16-18	\$24.04	09911	7/8-14	\$163.31
09581	8-32	\$16.89	09751	5/1618A	\$27.58	09921	1-8	\$219.06
09591	8-32A	\$21.35	09761	5/16-24	\$24.04	09931	1-14	\$219.06
09601	8-36	\$16.89	09771	5/1624A	\$27.58			
09611	8-36A	\$21.35	09781	3/8-16	\$30.30			
09621	10-24	\$16.89	09791	3/8-24	\$30.30			
09631	10-24A	\$21.35	09801	7/16-14	\$36.43			
09641	10-32	\$16.89	09811	7/16-20	\$36.16			
09651	10-32A	\$21.35	09821	1/2-13	\$37.00			
09661	12-24	\$20.09	09831	1/2-20	\$38.32			

TiCN Coated - High Performance Reduced Neck Spiral Point Taps

Type 29-ACN - High-Speed Spiral Point



TiCN Coated			Type 29-ACN					
Part #	Size	Price	Part #	Size	Price	Part #	Size	Price
31001	2-56	\$31.07	31171	12-24A	\$25.51	31341	9/16-12	\$68.10
31011	3-48	\$25.75	31181	12-28	\$22.47	31351	9/16-18	\$68.10
31021	4-40	\$23.79	31191	12-28A	\$25.51	31361	5/8-11	\$86.91
31031	4-48	\$21.67	31201	1/4-20	\$23.68	31371	5/8-18	\$86.91
31041	5-40	\$21.79	31211	1/4-20A	\$26.96	31381	3/4-10	\$115.10
31051	5-44	\$23.30	31221	1/4-28	\$23.68	31391	3/4-16	\$121.49
31061	6-32	\$23.78	31231	1/4-28A	\$26.96	31401	7/8-9	\$174.83
31071	6-40	\$23.78	31241	5/16-18	\$26.82	31411	7/8-14	\$174.83
31081	8-32	\$19.15	31251	5/1618A	\$30.49	31421	1-8	\$232.65
31091	8-32A	\$23.78	31261	5/16-24	\$26.82	31431	1-14	\$232.65
31101	8-36	\$19.15	31271	5/1624A	\$30.49			
31111	8-36A	\$23.78	31281	3/8-16	\$33.32			
31121	10-24	\$19.15	31291	3/8-24	\$33.32			
31131	10-24A	\$23.78	31301	7/16-14	\$39.99			
31141	10-32	\$19.15	31311	7/16-20	\$39.72			
31151	10-32A	\$23.78	31321	1/2-13	\$40.58			
31161	12-24	\$22.47	31331	1/2-20	\$41.95			

High Performance Reduced Neck Spiral Point, Combination Drills & Tap

Magnum Super Premium

TiAlN Coated - High Performance Reduced Neck Spiral Point Taps Type 29-ALN - High-Speed Spiral Point



TiAlN Coated			Type 29-ALN					
Part #	Size	Price	Part #	Size	Price	Part #	Size	Price
56301	2-56	\$31.07	56471	12-24A	\$25.51	56641	9/16-12	\$68.10
56311	3-48	\$25.75	56481	12-28	\$22.47	56651	9/16-18	\$68.10
56321	4-40	\$23.79	56491	12-28A	\$25.51	56661	5/8-11	\$86.91
56331	4-48	\$21.67	56501	1/4-20	\$23.68	56671	5/8-18	\$86.91
56341	5-40	\$21.79	56511	1/4-20A	\$26.96	56681	3/4-10	\$115.10
56351	5-44	\$23.30	56521	1/4-28	\$23.68	56691	3/4-16	\$121.49
56361	6-32	\$23.78	56531	1/4-28A	\$26.96	56701	7/8-9	\$174.83
56371	6-40	\$23.78	56541	5/16-18	\$26.82	56711	7/8-14	\$174.83
56381	8-32	\$19.15	56551	5/1618A	\$30.49	56721	1-8	\$232.65
56391	8-32A	\$23.78	56561	5/16-24	\$26.82	56731	1-14	\$232.65
56401	8-36	\$19.15	56571	5/1624A	\$30.49			
56411	8-36A	\$23.78	56581	3/8-16	\$33.32	METRIC		
56421	10-24	\$19.15	56591	3/8-24	\$33.32	Part #	Size	Price
56431	10-24A	\$23.78	56601	7/16-14	\$39.99	56741	3-50	\$23.97
56441	10-32	\$19.15	56611	7/16-20	\$39.72	56751	4-70	\$27.15
56451	10-32A	\$23.78	56621	1/2-13	\$40.58	56761	5-80	\$27.15
56461	12-24	\$22.47	56631	1/2-20	\$41.95	56771	6-100	\$28.24
						56781	8-1.25	\$32.90
						56791	10-1.50	\$46.73
						56801	12-1.75	\$55.62
						56811	14-2.00	\$82.31
						56821	16-2.00	\$95.64

M42 Cobalt Taps & Titanium Nitride

Type 24-RNC Bright Finish, Type 24-RNCN Titanium Nitride

Fractional - Taps for Hardened Steel & Iron

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

Type 24-RNC - Bright Finish		
Part #	Thread Size	Price
10032	2-56	\$17.66
10052	4-40	\$17.02
10072	5-40	\$17.02
10092	6-32	\$15.93
10112	8-32	\$15.93
10132	10-24	\$15.93
10142	10-32	\$15.93
10152	12-24	\$18.39
10172	1/4-20	\$19.19
10182	1/4-28	\$19.19
10192	5/16-18	\$21.45
10202	5/16-24	\$21.45
10212	3/8-16	\$24.30
10222	3/8-24	\$24.30
10232	7/16-14	\$29.49
10242	7/16-20	\$29.49
10272	1/2-13	\$30.10
10282	1/2-20	\$30.10
10292	5/8-11	\$73.25
10302	5/8-18	\$73.25
10312	3/4-10	\$100.43
10322	3/4-16	\$100.43

Type 24-RNCN - Titanium Nitride		
Part #	Thread Size	Price
13782	2-56	\$23.15
13802	4-40	\$21.69
13822	5-40	\$21.72
13842	6-32	\$23.54
13862	8-32	\$23.54
13882	10-24	\$23.54
13892	10-32	\$23.54
13902	12-24	\$26.90
113922	1/4-20	\$26.82
13932	1/4-28	\$26.82
13942	5/16-18	\$30.31
13952	5/16-24	\$30.31
13962	3/8-16	\$33.17
13972	3/8-24	\$33.17
13982	7/16-14	\$39.82
13992	7/16-20	\$39.82
14002	1/2-13	\$40.45
14012	1/2-20	\$40.45
14042	5/8-11	\$87.52
14052	5/8-18	\$87.52
14062	3/4-10	\$116.20
14072	3/4-16	\$116.19
14102	1"-8	\$187.70

Combination Drill & Tap Type 40-AG



Part No.	Size	Price
73770	4-40	\$16.00
73780	4-48	\$16.96
73790	5-40	\$16.00
73800	5-44	\$16.96
73810	6-32	\$16.00
73820	6-40	\$16.96
73830	8-32	\$16.01
73840	8-36	\$16.02
73850	10-24	\$16.02
73860	10-32	\$16.02
73870	12-24	\$16.15
73880	12-28	\$17.45
73890	1/4-20	\$16.60
73900	1/4-28	\$17.43
73910	5/16-18	\$22.47
73920	5/16-24	\$23.60
73930	3/8-16	\$27.19
73940	3/8-24	\$28.28
73950	7/16-14	\$33.62
73960	7/16-20	\$34.63
73970	1/2-13	\$37.96
73980	1/2-20	\$38.49
75540	9/16-12	\$54.71
75550	9/16-18	\$54.71
75560	5/8-11	\$69.63
75570	5/8-18	\$69.63

Tap Sets Spiral Point & Straight Flute - Magnum Super Premium

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

SP-19T - Type 20-AG Spiral Point		
Part No.	Description	Price
61600	SP-19T	\$273.98
	0-80, 1-64, 1-72, 2-56, 2-64, 3-48, 3-56, 4-40, 4-48, 5-40, 5-44, 6-32, 6-40, 8-32, 8-36, 10-24, 10-32, 12-24 & 12-28	
SP-10T - Type 20-AG Spiral Point		
Part No.	Description	Price
61610	SP-10T	\$187.46
	1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13 & 1/2-20	

SF-10T - Type 24-AG Straight Flute		
Part No.	Description	Price
61620	SF-10T	\$180.24
	1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13 & 1/2-20	
TDC-12 - Type 190-AG, 20-AG and 82-AG		
Part No.	Description	Price
20470	TDC-12	\$86.54
	Wire: #7, 21, 25, 29 and 36. Taps: 6-32, 8/32, 10-24, 10-32 and 1/4-20 CS: No. 8 screw size & 3/16-17/32 range cut	

Combination Drill & Tap Type 40-QR



Type 40-QR Combo Drill & Tap		
Part No.	Size	Price
73814	6-32	\$16.00
73834	8-32	\$16.01
73854	10-24	\$16.02
73864	10-32	\$16.02
73874	12-24	\$16.15
73894	1/4-20	\$16.60
73904	1/4-28	\$17.43
73914	5/16-18	\$17.98
73934	3/8-16	\$21.76

METRIC		
Part No.	Size	Price
85921	3.0 x 0.5	\$16.69
85931	4.0 x 0.7	\$16.69
85941	5.0 x 0.8	\$16.69
85951	6.0 x 1.00	\$16.69
85961	7.0 x 1.00	\$22.47
85971	8.0 x 1.25	\$22.47
85991	10.0 x 1.50	\$27.19
86001	12.0 x 1.75	\$37.96
SETS Type 40-AG Combo Drill & Tap		
Part No.	Size	Price
21330	6-32 thru 1/4-20	\$121.49
73990	8-32 thru 1/2-13	\$174.17
73991	8-36 thru 1/2-20	\$178.77

METRIC		
Part No.	Size	Price
85924	3-50	\$16.69
85934	4-70	\$16.69
85944	5-80	\$16.69
85954	6-1.00	\$16.69
85974	8-1.25	\$17.98
85994	10-1.50	\$21.76
Sets Type 40-QR Combo Drill & Tap		
Part No.	Size	Price
21324	40-QR DT-5	\$84.00

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

Magnum Super Premium

Carded Drills & TapCombo

Type 34-AG

Drill & Tap Combo

Hi-Molybdenum super premium twist drill combined with the corresponding Hi-Tungsten magnum spiral point tap. Both tools are gold surface treated for maximum lubricity.

Precision ground tools for the ultimate in accuracy and performance.

Part No.	Size	Price
51807	6-32 / #36	\$11.69
51817	6-40 / #33	\$11.69
51827	8-32 / #29	\$11.92
51837	8-36 / #29	\$13.17
51847	10-24 / #25	\$12.07
51857	10-32 / #21	\$12.23
51867	12-24 / #16	\$13.59
51877	12-28 / #14	\$13.59
51887	1/4-20 / #7	\$13.06
51897	1/4-28 / #3	\$14.37
51907	5/16-18 / F	\$15.12
51917	5/16-24 / I	\$16.64
51927	3/8-16 / 5/16"	\$16.02
51937	3/8-24 / Q	\$20.69
51947	7/16-14 / U	\$29.18
51957	7/16-20 / 25/64"	\$29.12
51967	1/2-13 / 27/64"	\$29.70
51977	1/2-20 / 29/64"	\$35.32
Type 34-AG Display		
Part No.	Size	Price
52001	DC38DT Display	\$749.19
14120	Display Only	\$45.36



DC38DT Display

Regular - Taper Pipe Taps - Type 30-AG, 30-AGN, 30-B & 30

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



Type 30-AG



Type 30-AGN

Size NPT	# of Flutes	OAL	Shank Diameter	Tap Drill Size	30-AG		30-AGN		30-B		30	
					Gold Oxide Part #	Price	TiN Coated Part #	Price	Black Oxide Part #	Price	Bright Finish Part #	Price
1/16-27	4	2-1/8	.3125	D	60570	\$31.72	59343	\$48.21	59342	\$28.94	59341	\$28.94
1/8-27 (5/16 Shk)	4	2-1/8	.3125	11/32	61240	\$31.72	59353	\$48.21	59352	\$28.94	59351	\$28.94
1/8-27	4	2-1/8	.4375	11/32	61250	\$31.72	59363	\$48.21	59362	\$28.94	59361	\$28.94
1/4-18	4	2-7/16	.5625	7/16	61260	\$36.04	59373	\$56.67	59372	\$31.78	59371	\$31.78
3/8-18	4	2-9/16	.7000	37/64	61270	\$46.14	59383	\$70.00	59382	\$41.74	59381	\$41.74
1/2-14	4	3-1/8	.6875	23/32	61280	\$76.43	59393	\$115.07	59392	\$66.72	59391	\$66.72
3/4-14	5	3-1/4	.9063	59/64	61290	\$84.96	59403	\$127.23	59402	\$94.02	59401	\$94.02
1"-11 1/2	5	3-3/4	1.1250	1-5/32	61300	\$84.36	59413	\$144.38	59412	\$93.32	59411	\$93.32
1 1/4"-11 1/2	5	4	1.3125	1-1/2	61310	\$181.27	59423	\$265.28	59422	\$200.54	59421	\$200.54
1 1/2"-11 1/2	7	4-1/4	1.500	1-47/64	61320	\$248.68	59433	\$347.30	59432	\$275.12	59431	\$275.12
2"-11 1/2	7	4-1/2	1.8750	2-7/32	61330	\$334.15	59443	\$451.31	59442	\$369.66	59441	\$369.66

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

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

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

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



Type I30-AGN Interrupted



Type I30-B Interrupted

Size NPT	# of Flutes	OAL	Shank Diameter	Tap Drill Size	I30-AG		I30-AGN		I30-B		I30	
					Gold Oxide Part #	Price	TiN Coated Part #	Price	Black Oxide Part #	Price	Bright Finish Part #	Price
1/16-27	4	2-1/8	.3125	D	-----	-----	-----	-----	-----	-----	-----	-----
1/8-27 (5/16 Shk)	4	2-1/8	.3125	11/32	-----	-----	-----	-----	-----	-----	-----	-----
1/8-27	4	2-1/8	.4375	11/32	81410	\$47.56	95722	\$72.32	95771	\$43.42	95770	\$43.42
1/4-18	4	2-7/16	.5625	7/16	81420	\$53.47	95782	\$85.01	95781	\$47.67	95780	\$47.67
3/8-18	4	2-9/16	.7000	37/64	81430	\$68.21	95792	\$105.00	95791	\$62.60	95790	\$62.60
1/2-14	4	3-1/8	.6875	23/32	81440	\$108.71	95802	\$166.86	95801	\$96.75	95800	\$96.75
3/4-14	5	3-1/4	.9063	59/64	81450	\$127.44	95812	\$190.84	95811	\$141.02	95810	\$141.02
1"-11 1/2	5	3-3/4	1.1250	1-5/32	81460	\$126.54	95822	\$216.59	95821	\$139.99	95820	\$139.99
1 1/4"-11 1/2	5	4	1.3125	1-1/2	81470	\$271.92	95832	\$397.90	95831	\$300.81	95830	\$300.81
1 1/2"-11 1/2	7	4-1/4	1.500	1-47/64	81480	\$373.03	95842	\$520.93	95841	\$412.67	95840	\$412.67
2"-11 1/2	7	4-1/2	1.8750	2-7/32	81490	\$501.24	95852	\$676.94	95851	\$554.50	95850	\$554.50

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

Hexagon Dies, Hi-Carbon Steel Machine Screw Tap

Ultra Bor Super Premium, High-Speed Steel

Hexagon High-Speed Steel Dies

Type 27-AG

Magnum

Super Premium

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



Type 27-AG Hexagon HSS Dies		
Part No.	Size	Price
61000	4-40	\$12.50
61010	6-32	\$12.50
61020	8-32	\$12.50
61030	10-24	\$12.50
61040	10-32	\$12.50
61050	12-24	\$12.50
61060	1/4-20	\$12.50
61070	1/4-28	\$12.50
61080	5/16-18	\$12.50
61090	5/16-24	\$12.50
61100	3/8-16	\$12.50
61110	3/8-24	\$12.50
61120	7/16-14	\$12.50
61130	7/16-20	\$12.50
61140	1/2-13	\$13.11
61150	1/2-20	\$13.11
61160	9/16-12	\$28.20
61170	9/16-18	\$28.20
61180	5/8-11	\$28.20
61190	5/8-18	\$28.20
61200	3/4-10	\$28.20
61210	3/4-16	\$28.20
61220	1/8-27	\$13.11
61230	1/4-18	\$28.20

Type 27-AG Metric Hexagon HSS Dies		
Part No.	Size	Price
60511	3 X .50	\$15.15
60521	3.5 X .60	\$15.15
60531	4 X .70	\$15.85
60551	5 X .80	\$15.85
60561	6 X 1.00	\$15.85
60581	8 X 1.25	\$16.60
60601	10 X 1.50	\$16.60
60621	12 X 1.75	\$16.60
60622	14 X 1.50	\$35.38

Hi-Carbon Steel Taps

Type 721 (Plug)

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



Type 721 - Plug - Machine Screw		
Part No.	Size	Price
54860	0 x 80	\$5.51
54870	1 x 64	\$5.23
54880	1 x 72	\$5.23
54890	2 x 56	\$4.93
54900	2 x 64	\$4.93
54910	3 x 48	\$4.93
54920	3 x 56	\$4.93
55750	4 x 36	\$2.49
55760	4 x 40	\$2.49
55770	5 x 40	\$2.49
55780	6 x 32	\$2.62
55790	6 x 40	\$2.62
55800	6 x 48	\$2.62
55810	8 x 32	\$2.62
55820	8 x 36	\$2.62
55830	8 x 40	\$2.62
55840	10 x 24	\$2.80
55850	10 x 32	\$2.80
55860	12 x 24	\$2.87
55870	12 x 28	\$2.87
55880	14 x 20	\$3.20

Hi-Carbon Steel Taps

Type 720 Plug - Fractional

Type 741 Taper - Machine Screw

Type 740 Taper - Fractional

Type 720 - Plug - Fractional		
Part No.	Size	Price
55010	3/16X24	\$2.80
55020	3/16X32	\$2.80
55030	1/4X20	\$2.80
55040	1/4X28	\$2.80
55050	5/16X18	\$3.67
55060	5/16X24	\$3.67
55070	3/8X16	\$4.54
55080	3/8X24	\$4.54
55090	7/16X14	\$4.93
55100	7/16X20	\$4.93
55110	1/2X13	\$5.60
55120	1/2X20	\$5.60
55130	9/16X12	\$8.11
55140	9/16X18	\$8.11
55150	5/8X11	\$9.68
55720	5/8X18	\$9.68
55730	11/1611	\$12.56
55740	11/1616	\$12.56
55160	3/4X10	\$12.74
55890	3/4X16	\$12.74
55170	7/8X9	\$16.84
55180	7/8X14	\$16.84
55190	1X8	\$20.87
55200	1X12	\$20.87
55210	1X14	\$20.87

Type 741 - Taper - Machine Screw		
Part No.	Size	Price
54790	0X80	\$5.51
54800	1X64	\$5.23
54810	1X72	\$5.23
54820	2X56	\$4.93
54830	2X64	\$4.93
54840	3X48	\$4.93
54850	3X56	\$4.93
55900	4X36	\$2.49
55910	4X40	\$2.49
55920	5X40	\$2.49
55930	6X32	\$2.62
55940	6X40	\$2.62
55950	6X48	\$2.62
55960	8X32	\$2.62
55970	8X36	\$2.62
55980	8X40	\$2.62
55990	10X24	\$2.80
56000	10X32	\$2.80
56010	12X24	\$2.87
56020	12X28	\$2.87
56030	14X20	\$3.20

Carded			Type 741		
Part No.	Size	Price	Part No.	Size	Price
55907	4X36	\$2.99	55977	8X36	\$3.10
55917	4X40	\$2.99	55987	8X40	\$3.10
55927	5X40	\$2.99	55997	10X24	\$3.28
55937	6X32	\$3.10	56007	10X32	\$3.28
55947	6X40	\$3.10	56017	12X24	\$3.37
55957	6X48	\$3.10	56027	12X28	\$3.37
55967	8X32	\$3.10	56037	14X20	\$3.69

Type 740 - Taper - Fractional		
Part No.	Size	Price
55250	3/16X24	\$2.80
55260	3/16X32	\$2.80
55270	1/4X20	\$2.80
55280	1/4X28	\$2.80
55290	5/16X18	\$3.67
55300	5/16X24	\$3.67
55310	3/8X16	\$4.53
55320	3/8X24	\$4.53
55330	7/16X14	\$4.93
55340	7/16X20	\$4.93
55350	1/2X13	\$5.60
55360	1/2X20	\$5.60
55370	9/16X12	\$8.11
55380	9/16X18	\$8.11
55390	5/8X11	\$9.68
55400	5/8X18	\$9.68
55470	11/1611	\$12.56
55480	11/1616	\$12.56
55400	3/4X10	\$12.74
55710	3/4X16	\$12.74
55410	7/8X9	\$16.84
55420	7/8X14	\$16.84
55430	1X8	\$20.87
55440	1X12	\$20.87
55450	1X14	\$20.87

Carded			Type 740		
Part No.	Size	Price	Part No.	Size	Price
55257	3/16 x 24	\$3.48	55267	3/16 x 32	\$3.48
55277	1/4 x 20	\$3.48	55287	1/4 x 28	\$3.48
55297	5/16 x 18	\$4.33	55307	5/16 x 24	\$4.33
55317	3/8 x 16	\$5.24	55327	3/8 x 24	\$5.24
55337	7/16 x 14	\$5.61	55347	7/16 x 20	\$5.61
55357	1/2 x 13	\$6.28	55367	1/2 x 20	\$6.28

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

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

Hi-Carbon Steel Taps and Dies

Price List

Hi-Carbon Steel Fractional

Hi-Carbon Steel Taps

Type 761 Bottoming - Machine Screw
Type 760 Bottoming - Fractional

Type 761 - Bottoming - Machine Screw		
Part No.	Size	Price
54930	0X80	\$5.51
54940	1X64	\$5.23
54950	1X72	\$5.23
54960	2X56	\$4.93
54970	2X64	\$4.93
54980	3X48	\$4.93
54990	3X56	\$4.93
56100	4X36	\$2.49
56110	4X40	\$2.49
56120	5X40	\$2.49
56130	6X32	\$2.62
56140	6X40	\$2.62
56150	6X48	\$2.62
56160	8X32	\$2.62
56170	8X36	\$2.62
56180	8X40	\$2.62
56190	10X24	\$2.80
56200	10X32	\$2.80
56210	12X24	\$2.87
56220	12X28	\$2.87
56230	14X20	\$3.20

Carded			Type 761		
Part No.	Size	Price	Part No.	Size	Price
56107	4 X 36	\$2.99	56177	8 X 36	\$3.10
56117	4 X 40	\$2.99	56187	8 X 40	\$3.10
56127	5 X 40	\$2.99	56197	10 X 24	\$3.28
56137	6 X 32	\$3.10	56207	10 X 32	\$3.28
56147	6 X 40	\$3.10	56217	12 X 24	\$3.37
56157	6 X 48	\$3.10	56227	12 X 28	\$3.37
56167	8 X 32	\$3.10	56237	14 X 20	\$3.69

Type 760 - Bottoming - Fractional		
Part No.	Size	Price
55500	3/16X24	\$2.80
55510	3/16X32	\$2.80
55520	1/4X20	\$2.80
55530	1/4X28	\$2.80
55540	5/16X18	\$3.67
55550	5/16X24	\$3.67
55560	3/8X16	\$4.53
55570	3/8X24	\$4.53
55580	7/16X14	\$4.93
55590	7/16X20	\$4.93
55600	1/2X13	\$5.60
55610	1/2X20	\$5.60
55620	9/16X12	\$8.11
55630	9/16X18	\$8.11
55640	5/8X11	\$9.68
56040	5/8X18	\$9.68
56050	11/1611	\$12.56
56060	11/1616	\$12.56
55650	3/4X10	\$12.74
56070	3/4X16	\$12.74
55660	7/8X9	\$16.84
55670	7/8X14	\$16.84
55680	1X8	\$20.87
55690	1X12	\$20.87
55700	1X14	\$20.87

Carded			Type 760		
Part No.	Size	Price	Part No.	Size	Price
55507	3/16x24	\$3.48	55567	3/8x16	\$5.24
55517	3/16x32	\$3.48	55577	3/8x24	\$5.24
55527	1/4x20	\$3.48	55587	7/16x14	\$5.61
55537	1/4x28	\$3.48	55597	7/16x20	\$5.61
55547	5/16x18	\$4.33	55607	1/2x13	\$6.28
55557	5/16x24	\$4.33	55617	1/2x20	\$6.28

Hi-Carbon Steel Taps

Type 723
Machine Screw 3 pc.(Sets)
(Includes 1 each: Taper, Plug, & Bottoming)

Type 722
Fractional 3 pc. (Sets)
(Includes 1 each: Taper, Plug, & Bottoming)

Type 723 - 3 piece SET (Includes 1 each: Taper, Plug, & Bottoming)		
Part No.	Size	Price
56600	4X36	\$7.48
56610	4X40	\$7.48
56620	5X40	\$7.48
56630	6X32	\$7.66
56640	6X40	\$7.66
56650	6X48	\$7.66
56660	8X32	\$7.94
56670	8X36	\$7.94
56680	8X40	\$7.94
56690	10X24	\$8.44
56700	10X32	\$8.44
56710	12X24	\$8.79
56720	12X28	\$8.79
56730	14X20	\$9.59

Type 722 - 3 piece SET (Includes 1 each: Taper, Plug, & Bottoming)		
Part No.	Size	Price
56300	3/16X24	\$8.44
56310	3/16X32	\$8.44
56320	1/4X20	\$8.44
56330	1/4X28	\$8.44
56340	5/16X18	\$11.35
56350	5/16X24	\$11.35
56360	3/8X16	\$14.22
56370	3/8X24	\$14.22
56380	7/16X14	\$15.45
56390	7/16X20	\$15.45
56400	1/2X13	\$18.08
56410	1/2X20	\$18.08
56420	9/16X12	\$24.36
56430	9/16X18	\$24.36
56440	5/8X11	\$29.20
56590	5/8X18	\$29.20
56740	11/1611	\$37.86
56750	11/1616	\$37.86
56450	3/4X10	\$38.21
56760	3/4X16	\$38.21
56460	7/8X9	\$50.53
56470	7/8X14	\$50.53
56480	1X8	\$62.51
56490	1X12	\$62.51
56500	1X14	\$62.51

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

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

Proudly Manufactured in the U.S.A.

Hi-Carbon Steel Dies

Types 405 Machine
Screw & Fractional
Sizes Hex Dies

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



Part No.	Size	Price
86000	4X40	\$4.38
86010	4X36	\$4.38
86020	5X40	\$4.38
86030	6X32	\$4.38
86040	8X32	\$4.38
86050	10X24	\$4.38
86060	10X32	\$4.38
86070	12X24	\$4.38
86080	14X20	\$4.38
86100	3/16X24	\$4.38
86110	3/16X32	\$4.38
86120	1/4X20	\$4.38
86130	1/4X28	\$4.38
86140	5/16X18	\$4.38
86150	5/16X24	\$4.38
86160	3/8X16	\$4.38
86170	3/8X24	\$4.38
86180	7/16X14	\$4.38
86190	7/16X20	\$4.38
86200	1/2X13	\$4.38
86210	1/2X20	\$4.38
86220	9/16X12	\$11.35
86230	9/16X18	\$11.35
86240	5/8X11	\$11.35
86250	5/8X18	\$11.35
86260	11/1611	\$11.35
86270	11/1616	\$11.35
86280	3/4X10	\$11.35
86290	3/4X16	\$11.35
86300	7/8X9	\$22.94
86310	7/8X14	\$22.94
86320	1X8	\$25.65
86330	1X12	\$25.65
86340	1X14	\$25.65
86350	1/8X27	\$4.38
86360	1/4X18	\$4.38
86380	3/8-18	\$8.70
86390	1/2-14	\$10.42
86420	3/4-14	\$15.67
86430	1-INCH	\$23.20

Carded			Type 405		
Part No.	Size	Price	Part No.	Size	Price
86017	4 X 36	\$4.77	86107	3/16 X 24	\$4.77
86007	4 X 40	\$4.77	86117	3/16 X 32	\$4.77
86027	5 X 40	\$4.77	86127	1/4 X 20	\$4.77
86037	6 X 32	\$4.77	86137	1/4 X 28	\$4.77
86047	8 X 32	\$4.77	86147	5/16 X 18	\$4.77
86057	10 X 24	\$4.77	86157	5/16 X 24	\$4.77
86067	10 X 32	\$4.77	86167	3/8 X 16	\$4.77
86077	12 X 24	\$4.77	86177	3/8 X 24	\$4.77
86087	14 X 20	\$4.77	86187	7/16 X 14	\$4.77
86107	3/16 X 24	\$4.77	86197	7/16 X 20	\$4.77
86117	3/16 X 32	\$4.77	86207	1/2 X 13	\$4.77
86127	1/4 X 20	\$4.77	86217	1/2 X 20	\$4.77
86137	1/4 X 28	\$4.77	86357	1/8 X 27	\$4.77
86147	5/16 X 18	\$4.77	86367	1/4 X 18	\$4.77
86157	5/16 X 24	\$4.77			
86167	3/8 X 16	\$4.77			
86177	3/8 X 24	\$4.77			
86187	7/16 X 14	\$4.77			
86197	7/16 X 20	\$4.77			
86207	1/2 X 13	\$4.77			
86217	1/2 X 20	\$4.77			
86357	1/8 X 27	\$4.77			
86367	1/4 X 18	\$4.77			

Hi-Carbon Steel Dies

Type 790
Metric Sizes
Hex Dies

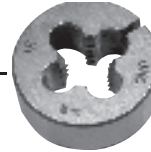


Part No.	Size	Price
84000	3X.50	\$4.62
84010	3X.60	\$4.62
84020	4X.70	\$3.78
84030	4X.75	\$3.78
84040	5X.80	\$3.78
84050	5X.90	\$3.78
84060	6X1.00	\$3.78
84070	7X1.00	\$4.05
84270	8X1.00	\$4.05
84080	8X1.25	\$4.05
84090	9X1.00	\$4.05
84100	9X1.25	\$4.05
84110	10X1.00	\$4.05
84120	10X1.25	\$4.05
84130	10X1.50	\$4.05
84140	11X1.50	\$4.05
84280	12X1.25	\$4.05
84150	12X1.50	\$4.05
84160	12X1.75	\$4.05
84170	14X1.25	\$10.75
84290	14X1.50	\$10.75
84180	14X2.00	\$10.75
84190	16X1.50	\$10.75
84200	16X2.00	\$10.75
84210	18X1.50	\$10.75
84300	18X2.00	\$10.75
84220	18X2.50	\$10.75

Carded		Type 790	
Part No.	Size	Price	
84007	3 X .50	\$4.45	
84017	3 X .60	\$4.45	
84027	4 X .70	\$4.45	
84037	4 X .75	\$4.45	
84047	5 X .80	\$4.45	
84057	5 X .90	\$4.45	
84067	6 X 1.00	\$4.45	
84077	7 X 1.00	\$4.74	
84277	8 X 1.00	\$4.74	
84087	8 X 1.25	\$4.74	
84097	9 X 1.00	\$4.74	
84107	9 X 1.25	\$4.74	
84117	10 X 1.00	\$4.74	
84127	10 X 1.25	\$4.74	
84137	10 X 1.50	\$4.74	
84147	11 X 1.50	\$4.74	
84287	12 X 1.25	\$4.74	
84157	12 X 1.50	\$4.74	
84167	12 X 1.75	\$4.74	

Hi-Carbon Steel Dies

Types 415
Machine Screw
& Fractional Sizes



Round - Adjustable

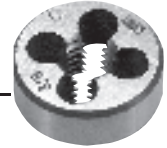
These dies are made of high quality carbon tool steel and meet the highest industry specifications.

Part No.	Size	Price
85000	0X80	\$12.30
85010	1X64	\$12.30
85020	1X72	\$12.30
85030	2X56	\$12.30
85040	2X64	\$12.30
85050	3X48	\$12.30
85060	3X56	\$12.30
85070	4X40	\$8.72
85080	4X36	\$8.72
85090	5X40	\$8.72
85100	6X32	\$8.72
85110	8X32	\$8.72
85120	10X24	\$8.72
85130	10X32	\$8.72
85140	12X24	\$8.72
85150	14X20	\$8.72
85170	3/16X24	\$8.72
85180	3/16X32	\$8.72
85190	1/4X20	\$8.72
85200	1/4X28	\$8.72
85210	5/16X18	\$8.72
85220	5/16X24	\$8.72
85230	3/8X16	\$8.72
85240	3/8X24	\$8.72
85250	7/16X14	\$8.72
85260	7/16X20	\$8.72
85270	1/2X13	\$8.72
85280	1/2X20	\$8.72
85290	9/16X12	\$13.54
85300	9/16X18	\$13.54
85310	5/8X11	\$13.54
85320	5/8X18	\$13.54
85330	11/16X11	\$22.79
85340	11/16X16	\$22.79
85350	3/4X10	\$22.79
85360	3/4X16	\$22.79
85370	7/8X9	\$22.79
85380	7/8X14	\$22.79
85390	1X8	\$22.79
85400	1X12	\$22.79
85410	1X14	\$22.79
85420	1/8X27	\$8.72
85430	1/4X18	\$8.72
85440	3/8X18	\$13.54
85450	1/2X14	\$13.54

Carded			Type 415		
Part No.	Size	Price	Part No.	Size	Price
85077	4X40	\$9.09	85197	1/4X20	\$9.09
85087	4X36	\$9.09	85207	1/4X28	\$9.09
85097	5X40	\$9.09	85217	5/16X18	\$9.09
85107	6X32	\$9.09	85227	5/16X24	\$9.09
85117	8X32	\$9.09	85237	3/8X16	\$9.09
85127	10X24	\$9.09	85247	3/8X24	\$9.09
85137	10X32	\$9.09	85257	7/16X14	\$9.09
85147	12X24	\$9.09	85267	7/16X20	\$9.09
85157	14X20	\$9.09	85277	1/2X13	\$9.09
85177	3/16X24	\$9.09	85287	1/2X20	\$9.09
85187	3/16X32	\$9.09	85427	1/8X27	\$9.09
			85437	1/4X18	\$9.09

Hi-Carbon Steel Dies

Type 400
Machine Screw
& Fractional Sizes



Solid Round Die

Part No.	Size	Price
53600	4X36	\$3.86
53610	4X40	\$3.86
53620	5X40	\$3.86
53630	6X32	\$3.86
53640	8X32	\$3.86
53650	10X24	\$3.86
53660	10X32	\$3.86
53670	12X24	\$3.86
53680	14X20	\$3.86
53690	3/16X24	\$3.86
53700	3/16X32	\$3.86
53710	1/4X20	\$3.86
53720	1/4X28	\$3.86
53730	5/16X18	\$3.86
53820	5/16X24	\$3.86
53740	3/8X16	\$3.86
53750	3/8X24	\$3.86
53760	7/16X14	\$3.86
53830	7/16X20	\$3.86
53770	1/2X13	\$3.86
53780	1/2X20	\$3.86
53790	1/2X24	\$3.86
53800	1/8X27 (PIPE)	\$3.86
53810	1/4X18 (PIPE)	\$3.86

Carded			Type 400		
Part No.	Size	Price	Part No.	Size	Price
53607	4X36	\$4.24	53717	1/4X20	\$4.24
53617	4X40	\$4.24	53727	1/4X28	\$4.24
53627	5X40	\$4.24	53737	5/16X18	\$4.24
53637	6X32	\$4.24	53827	5/16X24	\$4.24
53647	8X32	\$4.24	53747	3/8X16	\$4.24
53657	10X24	\$4.24	53757	3/8X24	\$4.24
53667	10X32	\$4.24	53767	7/16X14	\$4.24
53677	12X24	\$4.24	53837	7/16X20	\$4.24
53687	14X20	\$4.24	53777	1/2X13	\$4.24
53697	3/16X24	\$4.24	53787	1/2X20	\$4.24
53707	3/16X32	\$4.24	53797	1/2X24	\$4.24
53817	1/4X18	\$4.24	53807	1/8X27	\$4.24

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

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

Magnum Super Premium, Hi-Carbon Steel

Hi-Carbon Metric Taps Type 780 Metric Plug

Hi-Carbon Steel Taps

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



Part No.	Size	Price
83010	3X.50	\$3.24
83020	3X.60	\$3.24
83030	4X.70	\$3.07
83040	4X.75	\$3.07
83050	5X.80	\$2.93
83060	5X.90	\$2.93
83070	6X1.00	\$3.53
83080	7X1.00	\$3.74
84230	8X1.00	\$3.92
83090	8X1.25	\$3.92
83100	9X1.00	\$4.82
83110	9X1.25	\$4.82
56800	10X1.00	\$5.45
83130	10X1.25	\$5.45
83140	10X1.50	\$5.45
83150	11X1.50	\$5.62
84240	12X1.25	\$6.62
83160	12X1.50	\$6.62
83170	12X1.75	\$6.62
56810	14X1.25	\$8.83
84250	14X1.50	\$8.83
83190	14X2.00	\$8.83
83200	16X1.50	\$10.62
83210	16X2.00	\$10.62
56820	18X1.50	\$13.21
84260	18X2.00	\$13.21
83230	18X2.50	\$13.21

Carded			Type 780		
Part No.	Size	Price	Part No.	Size	Price
83017	3X.50	\$3.93	83107	9X1.00	\$5.51
83027	3X.60	\$3.93	83117	9X1.25	\$5.51
83037	4X.70	\$3.75	56807	10X1.00	\$6.11
83047	4X.75	\$3.75	83137	10X1.25	\$6.11
83057	5X.80	\$3.62	83147	10X1.50	\$6.11
83067	5X.90	\$3.62	83157	11X1.50	\$6.30
83077	6X1.00	\$4.22	84247	12X1.25	\$7.28
83087	7X1.00	\$4.42	83167	12X1.50	\$7.28
84237	8X1.00	\$4.61	83177	12X1.75	\$7.28
83097	8X1.25	\$4.61			

Hi-Carbon Steel Pipe Taps Type 410



Fractional		
Part No.	Size	Price
56910	1/8	\$5.99
56920	1/4	\$7.78
56930	3/8	\$9.72
56940	1/2	\$20.55
56950	3/4	\$21.92
56960	1"	\$38.64
56970	1-1/4	\$61.43
56980	1-1/2	\$82.97
56990	2"	\$161.97
Carded		
Part No.	Size	Price
56917	1/8"	\$6.67
56927	1/4"	\$8.45

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

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

Tap & Reamer Wrench Professional Quality



Type 725		
Part No.	Size	Price
50347	4MS - 1/2	\$17.52
50350	1/4 - 3/4	\$33.67
50360	LG- WRN	\$93.14

Tap & Reamer Wrench - Economy



Type 726		
Part No.	Size	Price
50337	Up to 1/2	\$15.05

Ratching T-Handle Tap Wrenches



Type 727R		
Part No.	Size	Price
50190	0 - 1/4	\$14.38
50200	1/4 - 1/2	\$20.14

T-Handle Tap Wrenches



Type 727		
Part No.	Size	Price
50307	0-1/4	\$10.15
50310	3/16-1/2	\$15.05
50320	3/16-1/2 - 3/8 SQ-DR	\$17.04

Types 728, 729, 730 Die Stock - Economy Solid



Type 728		
Part No.	Size	Price
50377	1" round or hex	\$9.24

Die Stock - Professional Quality



Type 729		
Part No.	Size	Price
50390	MED-R/H	\$34.26
50400	1-7/8-H	\$55.52
50387	1 IN - Round / Hex	\$22.02

Screw Pitch Gauges



Type 730		
Part No.	Size	Price
50417	US- 9-40 U.S.	\$8.67
50427	METRIC- 0.45 - 2.5MM	\$8.67

Hi-Carbon Steel Tap & Die Assortments and Displays

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



Part No.	Size	Price
61680	SF 58TDI	\$1,060.04

Super Premium Tap & Die Set
40pc. Straight Flute Taps & Hex Dies

Part No.	Size	Price
35171	SF 40TDI	\$527.25

Super Premium Tap & Die Set
40pc. Spiral Point Taps & Hex Dies



Part No.	Size	Price
35181	SP 40TDI	\$541.10

Super Premium Tap & Die Set
25pc. Spiral Point Taps & Hex Dies



Part No.	Size	Price
35173	SP 25TDI	\$404.09

Continued on page 46

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

Tap & Die Assortments and Displays (continued)

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

Part No.	Size	Price
35170	SP23TDI	\$404.09

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

Part No.	Size	Price
35174	SP15TDI	\$156.36

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

Part No.	Size	Price
35172	SP14TDI	\$192.35

Carbon Steel Tap & Die Sets

Type 724
Professional
Quality

Part #50090



14 pc. Set Stock #HNC14PC

Fractional NC - With Hex Dies		
Part No.	Size	Price
50090	HNC14PC	\$94.79

14 pc. Set Stock #HNF14PC

Fractional NF - With Hex Dies		
Part No.	Size	Price
50080	HNF14PC	\$94.79

14 pc. Set Stock #RNC14PC

Fractional NC - With Round Dies		
Part No.	Size	Price
50030	RNC14PC	\$91.32

14 pc. Set Stock #RNF14PC

Fractional NF - With Round Dies		
Part No.	Size	Price
50020	RNF14PC	\$91.32

16 pc. Set Stock #HMM16PC

Metric - With Hex Dies		
Part No.	Size	Price
50140	HMM16PC	\$95.48

16 pc. Set Stock #HEX16PC

Fractional NC - With Hex Dies		
Part No.	Size	Price
50100	HEX16PC	\$89.96

16 pc. Set Stock #RND16PC

Fractional NC - With Round Dies		
Part No.	Size	Price
50040	RND16PC	\$85.11

24 pc. Set Stock #HEX24PC

Fractional Combination NC, NF - With Hex Dies		
Part No.	Size	Price
50110	HEX24PC	\$159.15

24 pc. Set Stock #RND24PC

Fractional Combination NC, NF - With Round Dies		
Part No.	Size	Price
50050	RND24PC	\$150.84

37 pc. Set Stock #RND37PC

Machine Screw & Fractional NC, NF - With Rnd Dies		
Part No.	Size	Price
50060	RND37PC	\$199.27

37 pc. Set Stock #HMM37PC

Master & Metric - With Hex Dies		
Part No.	Size	Price
50150	HMM37PC	\$207.59

37 pc. Set Stock #HEX37PC

Machine Screw & Fractional NC-NF - With Hex Dies		
Part No.	Size	Price
50120	HEX37PC	\$213.80

40 pc. MASTER MECHANIC SET
Stock #RND40PC

Machine Screw & Fractional NC-NF - With Rnd Dies		
Part No.	Size	Price
50070	RND40PC	\$236.65

40 pc. MASTER MECHANIC SET
Stock #HEX40PC

Machine Screw & Fractional NC-NF - With Hex Dies		
Part No.	Size	Price
50130	HEX40PC	\$249.10

Spira-Broach™

Magnetic
Drill Presses
MBD 6500 &
7000

The Spira-Broach™ MBD 6500 ideal low cost portable drills for steel erection. The MBD 6500 control, Morse Taper which allows twist drilling, two gear ranges, 1 case.
The MBD 7000 includes all this for tapping.



MBD 6500/7000

Part No.	Description/ Size	Price
17920	MBD6500	\$2,728.67
17930	MBD7000	\$2,883.86
w/ reversible motor		

Magnetic Drill Presses MBD 40

The Spira-Broach™ MBD 40 is an extremely light, yet powerful magnetic drill.

Features:

- Variable Speed Motor
- Automatic Coolant
- Clutch and Overload Protection
- Easy System for Fitting 1/2" drill chuck
- Carry Case, Drill Chuck and Accessories included
- Magnetic Adhesion: 1650 lbs.

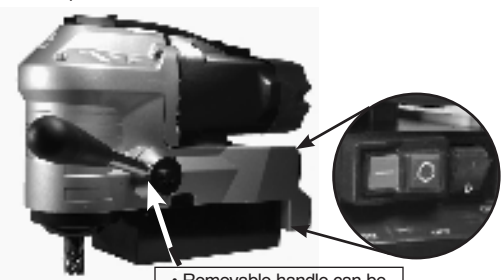


MBD 40

Part No.	Description/ Size	Price
12420	MBD40	\$1,265.82

Low Profile Magnetic Drill Press MBD 4500

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



• Removable handle can be used on either side

Part No.	Description/ Size	Price
12400	MBD 4500	\$1,573.84

Ultra High Performance, Gold Finish

Spira-Broach™ Annular Cutters

Types 15

M42 Gold Finish Super Cobalt Steel

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



1" Cut Depth		
Part No.	Size	Price
14351	7/16	\$68.80
14391	1/2	\$72.36
14431	9/16	\$83.04
14471	5/8	\$86.60
14511	11/16	\$91.34
14551	3/4	\$96.08
14591	13/16	\$102.01
14631	7/8	\$109.71
14671	15/16	\$117.43
14711	1-INCH	\$125.74
14751	1-1/16	\$129.28
14791	1-1/8	\$148.28
14831	1-3/16	\$156.58
14871	1-1/4	\$161.33
14911	1-5/16	\$168.45
14951	1-3/8	\$217.07
14991	1-7/16	\$243.16
15031	1-1/2	\$253.84
15051	1-9/16	\$283.50
15071	1-5/8	\$298.93
15091	1-11/16	\$311.95
15111	1-3/4	\$333.32
15131	1-13/16	\$345.18
15151	1-7/8	\$364.16
15171	1-15/16	\$390.25
15191	2-INCH	\$402.11
15211	2-1/16	\$519.54
15231	2-1/8	\$672.56
15251	2-3/16	\$691.53
15271	2-1/4	\$710.50
15281	2-5/16	\$733.05
15291	2-3/8	\$750.84

Pilot Pins for 1" Cut Depth

Part No.	Size	Price
00902	PP1/4X1	\$7.32
13710	PP7/16	\$12.29

Pilot Pins 2" Cut Depth

Part No.	Size	Price
00903	PP1/4X2	\$8.61
13720	PP7/16	\$12.29

Spira-Broach™ Annular Cutters

Types 15L

M42 ASP Gold Finish Super Cobalt Steel



2" Cut Depth		
Part No.	Size	Price
14352	7/16	\$87.78
14392	1/2	\$96.08
14432	9/16	\$109.13
14472	5/8	\$117.43
14512	11/16	\$130.47
14552	3/4	\$143.53
14592	13/16	\$151.82
14632	7/8	\$161.33
14672	15/16	\$173.17
14712	1-INCH	\$188.61
14752	1-1/16	\$192.16
14792	1-1/8	\$223.01
14832	1-3/16	\$236.03
14872	1-1/4	\$240.78
14912	1-5/16	\$253.84
14952	1-3/8	\$265.70
14992	1-7/16	\$304.84
15032	1-1/2	\$319.07
15052	1-9/16	\$357.04
15072	1-5/8	\$379.57
15092	1-11/16	\$396.18
15112	1-3/4	\$421.09
15132	1-13/16	\$440.07
15152	1-7/8	\$463.80
15172	1-15/16	\$495.81
15192	2-INCH	\$515.97
15212	2-1/16	\$641.72
15232	2-1/8	\$825.58
15252	2-3/16	\$831.51
15272	2-1/4	\$862.35
15282	2-5/16	\$886.07
15292	2-3/8	\$903.88

Types 15 & 15L Sets

Type 15 SB-5 1" Length		
Part No.	Size	Price
15301	15	\$556.09

Type 15L SB-5 2" Length		
Part No.	Size	Price
15302	15L	\$800.95

Annular Cutters Displays		
Part No.	Size	Price
00943	SB-20 15	\$2,682.96
00939	Display Only (SB-CAB)	\$392.65

Spira-Broach™ Annular Cutters

Types 14

M35 Cobalt Cutters Gold Finish

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



1" Cut Depth		
Part No.	Size	Price
16631	7/16	\$47.48
16641	1/2	\$47.48
16651	9/16	\$49.94
16661	5/8	\$54.57
16671	11/16	\$57.21
16681	3/4	\$62.17
16691	13/16	\$64.61
16701	7/8	\$69.29
16711	15/16	\$74.63
16721	1-INCH	\$79.84
16731	1-1/16	\$83.64
16741	1-1/8	\$91.79
16751	1-3/16	\$94.58
16761	1-1/4	\$110.63
16771	1-5/16	\$130.92
16781	1-3/8	\$147.17
16791	1-7/16	\$161.22
16801	1-1/2	\$166.04
16811	1-9/16	\$176.53
16821	1-5/8	\$181.04
16831	1-11/16	\$193.81
16841	1-3/4	\$214.36
16851	1-13/16	\$226.39
16861	1-7/8	\$239.67
16871	1-15/16	\$253.02
16881	2-INCH	\$267.06
16891	2-1/16	\$318.40

Spira-Broach™ Annular Cutters

Types 14L

M35 Cobalt Cutters Gold Finish



2" Cut Depth		
Part No.	Size	Price
16632	7/16	\$67.97
16642	1/2	\$67.97
16652	9/16	\$73.61
16662	5/8	\$79.45
16672	11/16	\$88.28
16682	3/4	\$91.91
16692	13/16	\$99.21
16702	7/8	\$102.43
16712	15/16	\$111.89
16722	1-INCH	\$117.75
16732	1-1/16	\$120.71
16742	1-1/8	\$133.33
16752	1-3/16	\$144.32
16762	1-1/4	\$153.59

Continued Type 14L on page 51

Annular Cutters are individually packaged.

Spira-Broach™ Annular Cutters

Types 14L
M35 Cobalt Cutters Gold Finish



2" Cut Depth		
Part No.	Size	Price
16772	1-5/16	\$167.02
16782	1-3/8	\$181.46
16792	1-7/16	\$190.97
16802	1-1/2	\$206.18
16812	1-9/16	\$220.07
16822	1-5/8	\$234.46
16832	1-11/16	\$241.85
16842	1-3/4	\$278.68
16852	1-13/16	\$288.55
16862	1-7/8	\$312.85
16872	1-15/16	\$327.11
16882	2-INCH	\$352.78
16892	2-1/16	\$404.05
00890	PILOT PIN	\$16.51

Type 14 & 14L Sets

Type 14 SB-5 1" Length		
Part No.	Size	Price
16901	14	\$360.00

Type 14L SB-5 2" Length		
Part No.	Size	Price
16902	14L	\$519.82

Annular Cutters Displays		
Part No.	Size	Price
00944	SB-20HS 14	\$1,810.61
00939	Display Only (SB-CAB)	\$392.65

Spira-Broach™ Annular Cutters

Types 13SP
M2 High-Speed Steel Cutters

High-Speed (M.2) Steel Annular Cutters offer versatility and economy in Mag based drilling. Application gold treated for maximum lubricity.



1" Cut Depth		
Part No.	Size	Price
16311	7/16	\$38.80
16321	1/2	\$36.12
16331	9/16	\$39.91
16341	5/8	\$41.19
16351	11/16	\$44.44
16361	3/4	\$46.19
16371	13/16	\$51.36
16381	7/8	\$52.10
16391	15/16	\$56.81
16401	1-INCH	\$59.20
16411	1-1/16	\$60.34
16421	1-1/8	\$67.47
16431	1-3/16	\$68.54
16441	1-1/4	\$89.78
16451	1-5/16	\$96.42
16461	1-3/8	\$117.75
16471	1-7/16	\$127.05
16481	1-1/2	\$133.04
16491	1-9/16	\$141.47
16501	1-5/8	\$149.24
16511	1-11/16	\$160.25
16521	1-3/4	\$173.52
16531	1-13/16	\$182.98
16541	1-7/8	\$193.16
16551	1-15/16	\$201.93
16561	2-INCH	\$210.93
16571	2-1/16	\$242.14
16581	2-1/8	\$242.49
16591	2-3/16	\$247.57
16601	2-1/4	\$250.71
16611	2-5/16	\$256.44
16621	2-3/8	\$263.32

Pilot Pins for Type 13 & 14 1" Depth		
Part No.	Size	Price
00902	PP1/4X1	\$7.32
13710	PP7/16	\$12.29

Pilot Pins for Type 13 & 14 2" Depth		
Part No.	Size	Price
00903	PP1/4X2	\$8.61
13720	PP7/16	\$12.29

Spira-Broach™ Annular Cutters

Types 13LSP
M2 High-Speed Steel Cutters



2" Cut Depth		
Part No.	Size	Price
16312	7/16	\$53.83
16322	1/2	\$57.09
16332	9/16	\$58.09
16342	5/8	\$62.96
16352	11/16	\$65.58
16362	3/4	\$71.35
16372	13/16	\$77.62
16382	7/8	\$85.03
16392	15/16	\$90.03
16402	1-INCH	\$95.39
16412	1-1/16	\$100.68
16422	1-1/8	\$109.25
16432	1-3/16	\$118.55
16442	1-1/4	\$127.86
16452	1-5/16	\$136.42
16462	1-3/8	\$144.73
16472	1-7/16	\$155.10
16482	1-1/2	\$167.19
16492	1-9/16	\$179.52
16502	1-5/8	\$189.95
16512	1-11/16	\$202.11
16522	1-3/4	\$210.98
16532	1-13/16	\$233.18
16542	1-7/8	\$243.47
16552	1-15/16	\$261.21
16562	2-INCH	\$263.52
16572	2-1/16	\$278.68
16582	2-1/8	\$282.92
16592	2-3/16	\$288.55
16602	2-1/4	\$299.28
16612	2-5/16	\$305.45
16622	2-3/8	\$326.56

Types 13SP & 13LSP Sets

Type 13SP SB-5 1" Length		
Part No.	Size	Price
16624	13SP	\$315.70

Type 13LSP SB-5 2" Length		
Part No.	Size	Price
16629	13LSP	\$468.29

Annular Cutters Displays		
Part No.	Size	Price
00949	SB-20SP 13SP	\$1,643.98
00939	Display Only (SB-CAB)	\$392.65

Order : 1-800-328-4655

Left-Hand Spiral Drills & Sets, and Extractors

Price List

Magnum, Hi-Carbon Steel, Gold Finish

Left-Hand Heavy Duty Jobber Length Drills

Type 190-AL

Magnum Super Premium

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



Part No.	Size	Price
92430	1/16	\$6.20
23150	5/64	\$6.20
89290	3/32	\$6.20
23160	7/64	\$6.20
92440	1/8	\$6.20
92441	9/64	\$6.20
23170	5/32	\$7.21
92442	11/64	\$8.30
92450	3/16	\$8.66
92443	13/64	\$9.69
92444	7/32	\$10.37
92451	15/64	\$11.08
92460	1/4	\$11.98
92452	17/64	\$12.73
92453	9/32	\$15.23
23180	19/64	\$17.30
92470	5/16	\$18.17
92471	21/64	\$19.69
92472	11/32	\$23.07
92473	23/64	\$25.90
92480	3/8	\$28.24
92481	25/64	\$30.53
92482	13/32	\$32.69
92483	27/64	\$34.55
92490	7/16	\$36.98
92491	29/64	\$41.34
92492	15/32	\$41.85
92493	31/64	\$46.05
92500	1/2	\$47.02

Left-Hand Heavy Duty Jobber Length Drills

Type 190-AL Sets

Magnum Super Premium



Part No.	Size	Price
87650	LF-8	\$186.02
87651	LF-12	\$217.46
87652	LF-13	\$104.44
87654	LF-15	\$320.21
87853	LF-17	\$250.05
87854	LF-29	\$596.02
87859	LF-29P Ultra Dex	\$598.39

Proudly Manufactured in the U.S.A.

Bolt Extractors

Types 420 Spiral Style

Screw & Pipe Extractors Hi-Carbon Steel

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



Part No.	Size	Price
57100	EX-1	\$2.49
57110	EX-2	\$2.66
57120	EX-3	\$2.96
57130	EX-4	\$3.24
57140	EX-5	\$4.29
57150	EX-6	\$9.08
57160	EX-7	\$15.59
57170	EX-8	\$24.88
57180	EX-9	\$36.08
47170	SE-4N (EX 1-4) Sets	\$13.67
47180	SE-5N (EX 1-5) Sets	\$16.37

Carded Type 420 Screw & Pipe Extractors

Part No.	Size	Price
57107	EX-1	\$3.10
57117	EX-2	\$3.23
57127	EX-3	\$3.53
57137	EX-4	\$3.86
57147	EX-5	\$4.89

Bolt Extractor

Type 421-AG Square

Screw, Stud and Pipe Extractors Studout™ Super Premium Forged Hi-Carbon Steel

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



Part No.	Size	Price
70760	E-1	\$5.48
70770	E-2	\$5.48
70780	E-3	\$5.48
70800	E-4	\$5.78
70810	E-5	\$9.69
70820	E-6	\$13.16
70830	E-7	\$20.48
70860	E-8	\$25.60
70870	E-9	\$31.82

Type 421-USA Screw & Pipe Extractors

Proudly Manufactured in the U.S.A.

Part No.	Size	Price
20890	E-1	\$7.64
20900	E-2	\$7.30
20910	E-3	\$7.99
20920	E-4	\$7.99
20930	E-5	\$8.25
20940	E-6	\$12.47
20950	E-7	\$13.41
20960	E-8	\$16.46
20970	E-9	\$20.06



Broken Bolt Remover Combo

Type 420-AL

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

Part No.	Size	Description of Sizes	Price
30137	EX-1	#1 - 3/32" LH drill	\$8.95
30147	EX-2	#2 - 1/8" LH drill	\$9.11
30157	EX-3	#3 - 3/16" LH drill	\$11.87
30167	EX-4	#4 - 1/4" LH drill	\$15.56
30177	EX-5	#5 - 5/16" LH drill	\$22.91

Type 420 & 421-AG Sets

Bolt Remover Sets

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

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



Type 420 & 190-AL		Spiral
Part No.	Size	Price
88550	BR-8	\$59.32
58510	BR-10	\$84.21

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



Type 421-AG & 190-AL Square

Part No.	Size	Price
70840	SQE-4	\$22.17
70850	BR-8SQ	\$88.52

Type 135-AL



Left-Hand Screw Machine Length 135° Split Point, 3-Flats on Shank 3/16" and Larger

- Ideal for removing broken studs in tight areas.
- Left-hand spiral drills often remove bolts without the need for an extractor.



Type 135-AL Left-Hand Screw Machine Length

Part No.	Size	Price
35214	3/32	\$5.26
35234	1/8"	\$5.26
35254	5/32	\$6.12
35274	3/16	\$7.36
35294	7/32	\$8.82
35314	1/4"	\$10.18
35334	9/32	\$12.94
35354	5/16	\$15.44
35374	11/32	\$19.61
35394	3/8"	\$24.00
35414	13/32	\$27.78
35434	7/16"	\$31.44
35454	15/32	\$35.57
35474	1/2"	\$39.96

Type 135-AL Sets

Part No.	Size	Price
35484	BR-10SQ	\$83.90

Hole Expansion Tools

Type 50-AG

Car Reamers - Standard Flute

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



Standard Flute		
Part No.	Size	Price
06301	1/4	\$57.59
06390	3/8	\$59.10
06400	1/2	\$70.51
06410	9/16	\$74.91
06420	5/8	\$81.76
06430	11/16	\$90.85
06440	3/4	\$109.01
06450	13/16	\$110.90
06460	7/8	\$122.22
06470	15/16	\$122.22
06480	1-INCH	\$144.93
06504	1-1/16	\$163.10
06514	1-1/8	\$177.49
06524	1-3/16	\$190.03
06484	1-1/4	\$227.22
06534	1-5/16	\$237.82
06544	1-3/8	\$254.02
06554	1-7/16	\$271.84
06564	1-1/2	\$301.25

Set	Standard Flute Car Reamer	
Part No.	Size	Price
12270	CR-4SP (3/8", 1/2", 5/8", 3/4")	\$339.05

Type 51-AG

Car Reamers - Fast Spiral Hole Buster™ -

Super Premium 3-Flats on Shank

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



Fast Spiral		
Part No.	Size	Price
06371	1/4	\$63.16
06381	5/16	\$64.70
06391	3/8	\$65.25
06501	7/16	\$80.63
06401	1/2	\$77.75
06411	9/16	\$83.03
06421	5/8	\$90.02
06432	.652	\$100.17
06431	11/16	\$100.17
06441	3/4	\$120.33
06531	.776	\$122.23
06451	13/16	\$122.23
06461	7/8	\$135.11
06471	15/16	\$135.11
06481	1-INCH	\$159.48
06491	1-1/16	\$156.16
06541	1-1/8	\$240.79
06551	1-3/16	\$245.41
06482	1-1/4	\$250.41
06561	1-5/16	\$261.01
06571	1-3/8	\$275.16
06581	1-7/16	\$293.24
06591	1-1/2	\$323.88

Set	Fast Spiral Reamer	
Part No.	Size	Price
12271	CR-4FS (3/8", 1/2", 5/8", 3/4")	\$374.11
12281	SM-4FS (5/16", 3/8", 7/16", 1/2")	\$309.08
00941	CR-8SPA	\$1,075.47

Type 52-AG Bridge Length

HSS Hex Drive Reamers

Black & Gold Finish Spiral Flute



Bridge Length Reamers		
Part No.	Diameter Inches	Price
20480	9/16	\$90.87
20490	5/8	\$103.01
20510	11/16	\$137.78
20520	3/4	\$156.77
20530	13/16	\$156.77
20540	7/8	\$178.14
20550	15/16	\$178.13
20560	1-INCH	\$200.69
20570	1-1/16	\$220.23
20500	1-1/8	\$226.46
20580	1-3/16	\$274.66
20590	1-5/16	\$348.58
21120	1-3/8	\$402.13
21130	1-7/16	\$418.01
21140	1-1/2	\$474.35
21150	1-9/16	\$569.70
21160	1-5/8	\$656.69

Type 53-AG Car Length

HSS Hex Drive Reamers

Black & Gold Finish - Spiral Flute

Hex Drive Reamers		
Part No.	Diameter Inches	Price
35580	9/16	\$86.13
35590	5/8	\$94.01
35610	11/16	\$112.78
35620	3/4	\$135.17
35630	13/16	\$135.17
35640	7/8	\$152.93
35650	15/16	\$152.93
35660	1-INCH	\$179.96
35670	1-1/16	\$200.25
35600	1-1/8	\$188.48
35680	1-3/16	\$249.69
35690	1-5/16	\$298.57

Type 134-AG 1/2" Shank

4-Flute Core Drill - Hole Hog™

Super Premium, 3-Flats on Shank

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



Type 134-AG 4-flute Core Drills		
Part No.	Size	Price
22030	3/8	\$34.31
22040	1/2	\$44.83
22060	9/16	\$57.37
22080	5/8	\$63.99
22100	11/16	\$71.51
22120	3/4	\$77.95

Type 54-AG Taper Shank Straight Flute

HSS Bridge Length Reamers

Black & Gold Finish



Bridge Length Reamers		
Part No.	Diameter Inches	Price
81630	7/16	\$70.53
81640	1/2	\$70.49
81650	9/16	\$82.21
81660	5/8	\$93.31
81670	11/16	\$114.49
81680	3/4	\$129.74
81690	13/16	\$131.40
81700	7/8	\$149.38
81710	15/16	\$149.38
81720	1-INCH	\$171.69
81730	1-1/16	\$184.61
81740	1-1/8	\$207.46
81750	1-3/16	\$230.23
81760	1-1/4	\$259.00
81770	1-5/16	\$297.36

Type 55-AG Taper Shank Spiral Flute

HSS Bridge Length Reamers

Black & Gold Finish



Bridge Length Reamers		
Part No.	Diameter Inches	Price
83310	7/16	\$70.54
83320	1/2	\$70.49
83330	9/16	\$82.21
83340	5/8	\$93.52
83350	11/16	\$114.49
83360	3/4	\$112.22
83370	13/16	\$113.97
83380	7/8	\$140.17
83390	15/16	\$140.17
83400	1-INCH	\$155.97
83410	1-1/16	\$189.02
83420	1-1/8	\$190.55
83430	1-3/16	\$213.79
83440	1-1/4	\$243.27
83450	1-5/16	\$276.52

Hole Expansion Sets



Sets	Hole Hog™ 1/2" Shank	
Part No.	Size	Price
38860	SP-6HHS	\$152.23
38870	SP-6HHL	\$188.22
38880	SP-8HH	\$220.03

Order : 1-800-328-4655

Auger & Power Bits, Brad Point

Price List

Pilot Drills, Wood Boring Products

Types 950 & 951 General Purpose

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



Type 950 9" Auger Bits		
Part No.	Size	Price
53200	3/8	\$13.90
53210	1/2	\$15.13
53220	9/16	\$17.18
53230	5/8	\$18.83
53240	11/16	\$20.46
53250	3/4	\$21.67
53260	7/8	\$24.96
53270	15/16	\$26.18
53280	1-INCH	\$35.59
53290	1-1/8	\$39.70
Type 951 16" Auger Bits		
Part No.	Size	Price
53300	3/8	\$18.41
53310	1/2	\$23.31
53320	9/16	\$24.55
53330	5/8	\$28.24
53340	11/16	\$33.96
53350	3/4	\$36.81
53360	7/8	\$42.14
53370	15/16	\$48.70
53380	1-INCH	\$54.43
53390	1-1/8	\$67.92

Auger Bits and Power Bits are individually packaged.

Types 952 & 953

General Purpose

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

Type 952 18" Auger Bits		
Part No.	Size	Price
53400	3/8	\$19.24
53410	1/2	\$24.55
53420	9/16	\$27.00
53430	5/8	\$30.68
53440	11/16	\$35.59
53450	3/4	\$42.54
53460	7/8	\$45.82
53470	15/16	\$54.82
53480	1-INCH	\$62.59
53490	1-1/8	\$67.92

Type 953 24" Auger Bits		
Part No.	Size	Price
53500	3/8	\$26.18
53510	1/2	\$31.92
53520	9/16	\$36.42
53530	5/8	\$42.54
53540	11/16	\$48.27
53550	3/4	\$59.33
53560	7/8	\$66.27
53570	15/16	\$78.55
53580	1-INCH	\$92.46
53590	1-1/8	\$102.69

Auger Bits and Power Bits are individually packaged.

Power Bits Type 935

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

Part No.	Size	Price
52005	1/4	\$3.97
52015	5/16	\$3.97
52025	3/8	\$4.05
52035	7/16	\$4.05
52045	1/2	\$4.05
52055	9/16	\$4.05
52065	5/8	\$4.41
52075	11/16	\$4.41
52085	3/4	\$4.41
52095	13/16	\$4.78
52105	7/8	\$4.78
52115	15/16	\$4.78
52125	1-INCH	\$5.14
52135	1-1/8	\$6.96
52145	1-1/4	\$6.96
52155	1-3/8	\$6.96
52165	1-1/2	\$6.96
27555	6" Extension	\$8.67
52175	12" Extension	\$10.85

Sets Type 935		
Part No.	Size	Price
52185	PB-4	\$18.17
52195	PB-6	\$28.02
52205	PB-13	\$59.08

Glass & Tile Drills Type 626 Carbide Tip with Spear Point

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

Individually packaged in clear hanging tubes.



Part No.	Size	Price
56510	1/8	\$11.55
56520	5/32	\$11.73
56530	3/16	\$9.29
56540	1/4	\$10.03
56550	5/16	\$12.22
56560	3/8	\$16.37
56570	1/2	\$23.34

Set Type 626		
Part No.	Size	Price
56580	GT-4	\$43.11

Type QR-AG Extensions

- One handed operation – Simply push your PTA into the extension and it will automatically load and lock the accessory.
- Patented All Hex connection system will hold any 1/4" hex shape including, Power Groove and Notched product.
- Patented All Hex connection system holds the accessory without any wobble or play. Tight fit for a professional feel.
- Made 100% in the USA.
- Not intended for Impact Tools.



Part No.	Size	Price
34821	ADAPT3 3"	\$14.13
34831	ADAPT6 6"	\$16.30
34841	ADAPT12 12"	\$17.39

Type 185

Pilot Drills For Hole Saws
High-Speed Steel - 135° Split Point



Part No.	Size	Price
95100	1/4 X 4	\$3.30
95101	1/4 X 3	\$3.01
95102	1/4 X 4L	\$4.32
95103	1/4 X 3L	\$3.30
95104	(Type 185-LX) 1/4	\$8.36

Packaged in 12s.

Drywall Bits For Cutouts

Type 180-GP

High-Speed Steel - Guide Point
Left-Hand Cut



Part No.	Size	Price
68000	1/8" (Qty. 8)	\$1.50
68010	5/32" (Qty. 2)	\$4.74

Drywall Bits For Cutouts

Type 180-SA

High-Speed Steel - Left-Hand Cut



Part No.	Size	Price
68030	1/8" (Qty. 8)	\$1.42
68040	5/32" (Qty. 2)	\$4.26

Brad Point Drills

Type 16-AG

Jobber Length Burro™ Brad Point
Super Premium

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



Part No.	Size	Price
01041	5/64	\$3.72
01051	3/32	\$3.72
01061	7/64	\$3.86
01071	1/8	\$3.91
01081	9/64	\$3.94
01091	5/32	\$4.02
01101	11/64	\$4.08
01111	3/16	\$4.53
01131	7/32	\$5.06
01151	1/4	\$5.54
01191	5/16	\$7.58
01231	3/8	\$10.25
01271	7/16	\$16.05
01311	1/2	\$19.27

Sets		
Part No.	Size	Price
42001	BF-10	\$50.88
42031	BF-14	\$110.19

Bell Hanger, Step Drills & Twin End Drills

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

Step Drills Type B78-ACN

Ultra Bit™ Multi-Diameter



Part No.	Size	Price
65301	1/8-1/2"	\$55.48
65331	3/16A	\$46.38
65351	3/16B	\$98.29
65321	1/4-3/4"	\$75.26
65311	1/4-1"	\$85.97
65381	13/16	\$177.03
65371	1/4KO	\$177.03
65361	7/8A	\$138.34
65341	1/4-7/8	\$109.37
65391	1/4A	\$138.34
SETS		
Part No.	Size	Price
65411	3/16-7/8"	\$212.91
65421	9/16-1"	\$200.59
65431	1/4-3/4"	\$189.86
65441	4pc. EL-4N	\$384.86

Step Drills Type B78-AGN

Blister Pak - Ultra Bit™ Multi-Diameter



Part No.	Size	Price
45701	1/8-1/2"	\$46.24
45711	3/16A	\$38.64
45721	3/16B	\$81.91
45731	1/4-3/4"	\$62.71
45741	1/4-7/8"	\$91.14
45751	1/4-1"	\$71.65
45761	13/16"	\$147.52
45771	7/8A	\$115.28
45781	1/4A	\$115.28
45791	1/4KO	\$147.52
SETS		
Part No.	Size	Price
01811	1/4 - 3/4"	\$147.59
01821	3/16 - 7/8"	\$167.33
01831	Electricians 1/8 - 1-1/8"	\$199.98
01841	9/16 - 1"	\$156.52
01871	4pc EL-4N	\$320.72

Step Drills Type B78-AG

Blister Pak - Ultra Bit™ Multi-Diameter



Part No.	Size	Price
45401	1/8-1/2"	\$35.87
45411	3/16A	\$29.60
45421	3/16B	\$62.51
45431	1/4-3/4"	\$46.64
45441	1/4-1"	\$53.86
45451	13/16"	\$116.56
45461	1/4KO	\$116.56
45501	1-7/32"	\$69.05
45471	7/8A	\$89.42
45481	1/4-7/8"	\$70.67
45491	1/4A	\$89.42

Hanging Tubes - Step Drills

Part No.	Size	Price
00693	1/2"	\$32.22
00694	3/8"	\$25.64
00750	1-1/8"	\$66.60

SETS

Part No.	Size	Price
01911	1/4 -3/4"	\$112.11
01921	13/16 - 7/8"	\$127.98
01931	Electricians 1/8 - 1-1/8"	\$176.32
01941	9/16 - 1"	\$119.33
01981	4pc. EL4N	\$247.95

Step Drills Type 78-QRN

Quick Release - TiN Coated



Part No.	Size	Price
68491	1/8-1/2"	\$47.54
68534	1/4-1"	\$72.77
68521	1/4-3/4"	\$64.01
68501	3/16A	\$39.96
68541	1/4-7/8"	\$93.13
68511	3/16B	\$83.20
68554	1-7/32"	\$90.71
68531	7/8A	\$116.52
68524	1/4KO	\$148.66
68551	1/4A	\$116.06

SETS

Part No.	Size	Price
68801	1/8-3/4"	\$151.40
68811	1/8-7/8"	\$203.39
68581	1/4 - 3/4"	\$203.85

Type 140

Twin End - Heavy-Duty 135° Split Point

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

Black Oxide Finish.



Fractional		
Part No.	Size	Price
28470	3/32"	\$2.18
28480	7/64"	\$2.18
28490	1/8"	\$2.27
28500	9/64"	\$2.34
28510	5/32"	\$2.34
28530	3/16"	\$3.10
28550	7/32"	\$4.25
28570	1/4"	\$4.80

Wire

Part No.	Size	Price
27940	10	\$3.10
27950	11	\$3.10
28040	20	\$2.34
28140	30	\$2.27

All Twin End Drills are 12 per package.

Step Drills Type 78-QR



Quick Release 1/4" Hex Shank

Part No.	Size	Price
01401	1/8-1/2"	\$36.98
01411	1/4-11N	\$54.97
01404	1/4-3/4"	\$47.75
01402	3/16A	\$30.71
01412	1/4-7/8	\$71.76
01403	3/16B	\$63.60
01409	7/8A	\$90.53
01414	1/4KO	\$117.67
01413	1/4A	\$90.53

SETS

Part No.	Size	Price
20751	1/8 - 3/4"	\$151.40
20761	1/8 - 7/8"	\$131.29
01461	Electricians 7/8 & 1-1/8"	\$165.98

Twin End Drills

Type 140-G

Twin End - Magnum Super Premium 135° Split Point



Fractional		
Part No.	Size	Price
95090	3/32	\$2.22
95080	7/64	\$2.22
95980	1/8	\$2.22
95070	9/64	\$2.48
95060	5/32	\$2.48
95050	3/16	\$3.24
95040	7/32	\$4.39
95030	1/4	\$4.92

Wire

Part No.	Size	Price
95020	10	\$3.50
95010	11	\$3.50
95000	20	\$2.78
94990	30	\$2.22

Order : 1-800-328-4655

Specialty Tools

Price List

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

Acrylic Drills Type 183-AG

Acrylic Drills with Chipfree™ Point
Magnum Super Premium



Part No.	Size	Price
32260	3/32	\$2.94
31500	1/8	\$3.90
32200	9/64	\$4.17
31510	5/32	\$4.44
31520	3/16	\$5.00
32210	13/64	\$5.23
32220	7/32	\$5.61
31530	1/4	\$6.59
32240	9/32	\$8.26
32230	19/64	\$8.63
31540	5/16	\$9.29
32290	11/32	\$10.35
31550	3/8	\$12.78
32250	25/64	\$13.04
32460	13/32	\$13.14
31560	7/16	\$14.28
32470	15/32	\$14.82
31570	1/2	\$16.95
Type 183-AG Acrylic Set		
31580	AD-7	\$86.09

Hard Steel Drills

Type 602

Hard Steel Drills Carbide tipped, Straight flute

These drills are made for use in drilling hardened steel in the range of 48 to 65 Rockwell C.



Part No.	Size	Price
32300	1/8	\$12.48
32310	5/32 X 3	\$15.57
32320	11/64 X 3	\$15.84
32330	3/16 X 3	\$14.97
32340	7/32 X 4	\$16.22
32350	1/4 X 4	\$15.84
32360	1/4 X 6	\$16.22
32370	9/32 X 4	\$16.56
32380	5/16 X 4	\$16.77
32390	5/16 X 6	\$17.56
32400	3/8 X 4	\$17.64
32410	3/8 X 6	\$18.49
32420	7/16 X 6	\$22.34
32430	1/2 X 6	\$25.81
32440	9/16 X 6	\$32.59
32450	5/8 X 6	\$34.39

Solid Carbide Drills

Type 602-C

Solid Carbide Straight Flute

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

Part No.	Size	Price
36173	1/16	\$17.77
36193	3/32	\$18.61
36213	1/8	\$19.63
36233	5/32	\$24.54
36253	3/16	\$27.55
36273	7/32	\$37.22
36293	1/4	\$45.61
36313	9/32	\$58.76
36333	5/16	\$63.85
36353	11/32	\$76.49
36373	3/8	\$90.80
36393	13/32	\$113.91
36413	7/16	\$135.99
36433	15/32	\$153.16
36453	1/2	\$164.28
36473	5/8	\$279.01
36483	3/4	\$376.62

Hole Cutters Type CHC-AG

Carbide Tipped Holecutters

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



Part No.	Size	Price
62000	9/16	\$45.32
62010	5/8	\$44.95
62020	11/16	\$44.95
62030	3/4	\$44.95
62040	13/16	\$44.95
62050	7/8	\$47.25
62060	15/16	\$47.25
62070	1"	\$50.60
62080	1-1/16	\$52.24
62090	1-1/8	\$56.60
62100	1-3/16	\$56.60
62110	1-1/4	\$54.32
62120	1-5/16	\$57.33
62130	1-3/8	\$61.24
62140	1-7/16	\$66.50
62150	1-1/2	\$66.50
62160	1-9/16	\$66.50
62170	1-5/8	\$72.18
62180	1-11/16	\$72.18
62190	1-3/4	\$72.18
62200	1-13/16	\$74.61
62210	1-7/8	\$74.61
62220	1-15/16	\$74.61
62230	2"	\$89.13
62240	2-1/16	\$89.13
62250	2-1/8	\$89.13
62260	2-3/16	\$112.21
62270	2-1/4	\$112.21
62280	2-5/16	\$112.21
62290	2-3/8	\$122.65
62300	2-7/16	\$122.65
62310	2-1/2	\$122.65
62320	2-9/16	\$130.06
62330	2-5/8	\$130.06
62340	2-11/16	\$130.06
62350	2-3/4	\$134.50
62360	2-13/16	\$144.68
62370	2-7/8	\$144.68
62380	2-15/16	\$144.68
62390	3"	\$144.68
62400	3-1/4	\$185.04
62410	3-1/2	\$185.04
62420	3-3/4	\$222.11
62430	4"	\$240.61
62440	4-1/4	\$240.61
62450	4-1/2	\$264.45
62460	4-3/4	\$264.45
62470	5"	\$290.91
62480	PILOT	\$9.89
62490	SCREW	\$0.64
62500	SPRING	\$0.41

Type CHC-QR

1/4" Quick Release Holecutters

Carbide Tipped Holecutters

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



Part No.	Size	Price
83470	5/8	\$45.49
83480	11/16	\$45.49
83490	3/4	\$45.49
83500	13/16	\$45.49
83510	7/8	\$47.79
83520	15/16	\$47.79
83530	1-INCH	\$51.14
83540	1-1/16	\$52.78
83550	1-1/8	\$57.15
83560	1-3/16	\$57.15
83580	1-1/4	\$54.87
83590	1-5/16	\$57.88
83600	1-3/8	\$61.79
83950	PILOT	\$3.95
83960	SCREW	\$0.02
83970	SPRING	\$0.05

Deephole Cutters Type CHD-AG

Deephole Carbide Tipped Holecutters

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



Part No.	Size	Price
63990	9/16	\$61.18
64000	5/8	\$61.18
64010	11/16	\$61.18
64020	3/4	\$63.66
64030	13/16	\$63.66
64040	7/8	\$63.66
64050	15/16	\$63.66
64060	1-INCH	\$63.66
64070	1-1/16	\$68.56
64080	1-1/8	\$68.56
64090	1-3/16	\$81.31
64100	1-1/4	\$81.31
64110	1-5/16	\$81.31
64120	1-3/8	\$81.31
64130	1-7/16	\$86.22
64140	1-1/2	\$86.22
64150	1-9/16	\$86.22
64160	1-5/8	\$96.19
64170	1-11/16	\$96.19
64180	1-3/4	\$96.19
64190	1-13/16	\$96.19
64200	1-7/8	\$96.19
64210	1-15/16	\$96.19
64220	2-INCH	\$112.97
64240	2-1/16	\$112.97
64250	2-1/8	\$149.23
64260	2-3/16	\$154.11
64270	2-1/4	\$154.11
64280	2-5/16	\$154.11
64290	2-3/8	\$154.11
64330	2-7/16	\$154.11
64340	2-1/2	\$154.11
64350	2-9/16	\$154.11
64360	2-5/8	\$166.14
64370	2-11/16	\$166.14
64380	2-3/4	\$166.14
64390	2-13/16	\$166.14
64400	2-7/8	\$166.14
64410	2-15/16	\$166.14
64420	3-INCH	\$190.13
64430	3-1/4	\$190.13
64440	3-1/2	\$198.21
64450	3-3/4	\$234.69
64460	4-INCH	\$245.75
64470	4-1/4	\$245.75
64480	4-1/2	\$259.52
64490	4-3/4	\$259.52
64231	PILOT	\$9.89
62530	SPRING	\$0.41

Carbide Tipped Holecutter Sets

Type CHC-AG & CHD-AG

CHC-AG for 3/16"		Thin Material
Part No.	Size	Price
62600	11/16 - 1-1/16"	\$239.19
62610	5/8 - 1"	\$237.55
62620	7/8 - 2"	\$376.21

CHC-AG Individual Sizes: Available 9/16 to 5"

CHD-AG Individual Sizes: Available 5/8 to 2"

CHD-AG for 1"		Thick Material
Part No.	Size	Price
64300	11/16 - 1-1/16"	\$306.85
64310	5/8 - 1"	\$301.94
64320	7/8 - 2"	\$472.50
64520	5/8, 3/4, 7/8, 1", 1-1/8"	\$402.77

3pc. Carbide Tipped Holecutter Sets

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



Part No.	Size	Price
62590	7/8", 1-1/8" & 1-3/8"	\$165.61

Specialty Tools, Weldout™ Spotweld

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

Weldout™ Spotweld Drills & Sets Types 186 & 187

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



Type 186		
Part No.	Size	Price
37240	6.5mm X 1.49	\$13.02
66420	6.5mm X1.56	\$11.73
37520	6.5mm X 1.75	\$11.24
37660	6.5mm X 3.62 TE	\$21.05
37250	8.0mm X 1.49	\$16.14
66430	8.0mm X 1.56	\$14.84
37510	8.0mm X 1.69	\$16.14
37470	8.0mm X 1.75	\$14.39
37670	8.0mm X 3.62 TE	\$27.40
37530	10mm X 1.75	\$21.36
37680	10.0mm X 3.62 TE	\$40.97

Type 187		
Part No.	Size	Price
66180	8.0mm X 2.25	\$14.39
37671	8.0mm X 3.62-TE	\$27.40
66190	10mm X 2.25	\$21.36
37681	10.0mm X 3.62-TE	\$40.97

Types 187-B Carbide ALTiN Coated Spotweld Drills



Part No.	Size		Price
85880	8.0mm X 1.75	(Flats)	\$70.87
85890	8.0mm X 2.00	(Round)	\$66.19
85900	10.0mm X 2.25		\$72.29

Types 187-DN Tin Coated Weldout™ Spotweld Drills M-42 Cobalt High-Speed Steel Heavy-Duty Spur Point



Type 187-DN		
Part No.	Size	Price
73450	8.0mm X 2.25	\$19.48
73470	8.0mm X 3.62 TE	\$37.49
73460	10mm X 2.25	\$27.55
73480	10.0mm X 3.62 TE	\$50.95

Type 186



WO-6 Set		
Part No.	Size	Price
35010	WO-6	\$150.86

Type 187



WO-4 Set		
Part No.	Size	Price
35050	WO-4	\$115.22
WO-20 Weld Out Display		
Part No.	Size	Price
66200	WO-20	\$288.03

Countersinks Types 296

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



Plain Type 296

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

Part No.	Size	Price
26760	00	\$8.70
26770	0	\$8.70

Countersinks Types 296

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

Part No.	Size	Price
26780	1	\$7.32
26790	2	\$7.32
26800	3	\$7.32
26810	4	\$7.60
26820	5	\$11.40
26830	6	\$17.03
26840	7	\$29.26
26850	8	\$39.86

Combined Drills & Countersink Set

Part No.	Size	Price
26861	1, 2, 3, 4 & 5	\$50.19

Combined Drills & Countersinks Types 296-XL

60° degree countersink angle fits all standard centers. **Manufactured in the USA.**



Part No.	Size	Price
08603	1X3	\$13.34
08613	1X4	\$13.92
08623	1X5	\$19.34
08633	1X6	\$26.53
08643	2X3	\$13.49
08653	2X4	\$15.98
08663	2X5	\$20.46
08673	2X6	\$26.61
08683	3X3	\$14.77
08693	3X4	\$16.83
08703	3X5	\$22.14
08713	3X6	\$25.65
08723	4X4	\$18.66
08733	4X5	\$23.83
08743	4X6	\$27.54
08753	4-1/2X4	\$20.96
08763	4-1/2X5	\$24.79
08773	4-1/2X6	\$29.90
08783	5X4	\$24.49
08793	5X5	\$28.36
08803	5X6	\$31.83
08813	6X5	\$30.48
08823	6X6	\$36.84
08833	7X6	\$68.63
08843	8X6	\$74.11

Type EXT Extensions - Includes an "Allen Wrench"



Part No.	OAL/Size	Price
62710	6-1/4" / 3/8" (Bore/Shank)	\$51.09
62720	6-1/4" / 1/2" (Bore/Shank)	\$54.65
62730	7-1/2" / 1/2" (Bore/Shank)	\$54.65

Countersinks Type 82-AG & 90-AG



Chatterproof™ Countersinks Super Premium

Part No.	Size	Price
67010	CS1/4	\$23.35
67020	CS1/4A	\$23.35
67030	CS5/16	\$27.89
67040	CS5/16A	\$27.89
67050	CS3/8	\$37.04
67060	CS3/8A	\$37.04
67070	CS7/16	\$46.12
67080	CS7/16A	\$46.12
67090	CS1/2	\$47.91
67100	CS1/2A	\$47.91
67110	CS073	\$16.11
67120	CS3/16	\$20.17
67130	CS307	\$34.96
67140	CS307A	\$34.96
67150	CS431	\$59.51

Continued next Column

Countersinks Type 82-AG & 90-AG



Chatterproof™ Countersinks Super Premium

Part No.	Size	Price
67160	CS1/2B	\$135.68
67170	CS5S	\$11.61
67180	CS6S	\$12.24
67190	CS8S	\$13.06
67200	CS10S	\$15.30

Type 82-AG Sets		
Part No.	Size	Price
10440	SP-4CS	\$67.30
10442	SP-4ACS	\$75.87
10443	SP-9CS	\$250.19

Type 90-AG Chatterproof™ Deburring Tools Super Premium



Part No.	Size	Price
67210	DB1/64	\$25.74
67220	DB1/16	\$13.48
67230	DB1/8	\$14.20
67240	DB5/32	\$16.05
67250	DB3/16	\$19.85
67260	DB5/16	\$34.49
67270	DB5/16C	\$34.49
67280	DB9/16	\$58.89
67290	DB1/2	\$134.12

Type 90-AG Set

Part No.	Size	Price
10450	SP-6DB	\$172.22

Type 83-AG 6-Flutes 82° Countersink



Part No.	Size	Price
67700	1/4"	\$10.74
67710	5/16"	\$12.47
67720	3/8"	\$14.85
67730	1/2"	\$18.05
67740	5/8"	\$26.76
67750	3/4"	\$35.42
67760	7/8"	\$46.83
67770	1"	\$56.46
67780	1-1/4"	\$84.89
67790	1-1/2"	\$116.03

4pc. HSS 82° Countersink

Part No.	Size	Price
67800	1/4", 5/16", 3/8", 1/2"	\$60.77

Masonry Drills Type 214

All Purpose, Heavy-Duty

Carbide tipped, hardened steel bodies (3/8" diameter and smaller)



Part No.	Size	Price
94600	1/8X3	\$2.99
94610	3/16X4	\$3.21
94620	3/16X6	\$4.07
94640	1/4X4	\$3.88
94650	1/4X6	\$4.18
94670	5/16X4	\$4.04
94680	5/16X6	\$4.64
94700	3/8X4	\$4.71
94710	3/8X6B	\$5.97
94730	3/8X6A	\$5.97
94750	7/16X4	\$6.27
94760	7/16X6B	\$6.71
94810	1/2X6B	\$7.17
94830	1/2X6A	\$7.17
94840	1/2X13A	\$16.41
94860	9/1613B	\$19.39
94880	9/1613A	\$19.39
94890	5/8X6B	\$9.93
94910	5/8X6A	\$9.93
94920	5/8X13A	\$20.89

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

Premium Carbide Burrs

SA Cylinder Shape - NO End Cut, SB Cylinder Shape - with End Cut, SC Cylinder Shape - Radius End, SD Ball Shape, SE Oval /Egg Shape

SA - Cylinder Shape

No End Cut - Double Cut



Cylinder Shape - No End Cut - Double Cut

Part No.	Size	Price
17079	SA-41	\$8.44
17089	SA-42	\$8.44
17099	SA-43	\$8.44
17109	SA-11	\$17.70
17119	SA-12	\$17.70
17129	SA-52	\$16.63
17139	SA-13	\$17.70
17149	SA-14	\$17.70
17159	SA-51	\$15.19
17169	SA-1	\$14.87
17209	SA-2	\$18.97
17219	SA-3	\$19.48
17249	SA-3X	\$39.30
17269	SA-4	\$28.84
17279	SA-5	\$30.06
17309	SA-6	\$48.52
17329	SA-15	\$64.32
17339	SA-16	\$61.79
17349	SA-7	\$66.21
17369	SA-8	\$108.91
17379	SA-9	\$117.82

Cylinder Shape - No End Cut - Aluma

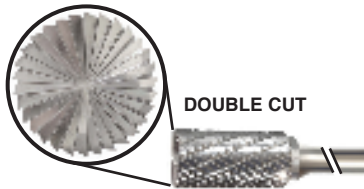
Part No.	Size	Price
17199	SA-1NF	\$21.61
17259	SA-3NF	\$27.57
17299	SA-5NF	\$39.87
17319	SA-6NF	\$60.76
17359	SA-7NF	\$84.73

Cylinder Shape - Extended Shank Length

Part No.	Size	Price
17179	SA-1L	\$16.61
17189	SA-1L6	\$27.00
17229	SA-3L	\$25.97
17239	SA-3L6	\$31.06
17289	SA-5L6	\$42.03

SB - Cylinder Shape

With End Cut - Double Cut



Cylinder Shape - With End Cut - Double Cut

Part No.	Size	Price
17409	SB-41	\$8.44
17419	SB-42	\$8.44
17429	SB-43	\$8.44
17439	SB-11	\$18.55
17449	SB-12	\$18.33
17459	SB-13	\$18.33
17469	SB-14	\$17.39
17479	SB-51	\$14.87
17489	SB-1	\$15.84
17499	SB-1L	\$19.60
17509	SB-2	\$20.66
17519	SB-3	\$21.18
17529	SB-3L	\$31.69
17539	SB-3X	\$44.25
17549	SB-4	\$31.02

**MADE
in the
U.S.A.**

SB - Cylinder Shape

With End Cut - Double Cut

Cylinder Shape - Double Cut

Part No.	Size	Price
17559	SB-5	\$34.27
17569	SB-6	\$52.57
17579	SB-15	\$81.79
17589	SB-16	\$75.75
17599	SB-7	\$75.75
17619	SB-8	\$108.31
17629	SB-9	\$122.93

Cylinder Shape- 6" Extended Shank Length

Part No.	Size	Price
17499	SB-1L	\$19.60
17529	SB-3L	\$31.69

SC - Cylinder Shape

Radius End



DOUBLE CUT



ALUMA CUT

Cylinder Shape - Radius End - Double Cut

Part No.	Size	Price
17659	SC-41	\$8.44
17669	SC-42	\$8.44
17679	SC-11	\$8.44
17689	SC-12	\$18.97
17699	SC-52	\$17.27
17709	SC-13	\$18.03
17719	SC-53	\$17.27
17729	SC-14	\$18.97
17739	SC-51	\$15.65
17749	SC-1	\$16.58
17759	SC-1L	\$17.57
17789	SC-2	\$21.98
17799	SC-3	\$21.98
17809	SC-3L	\$28.33
17829	SC-3X	\$46.60
17849	SC-4	\$30.95
17859	SC-5	\$33.85
17889	SC-6	\$47.94
17929	SC-7	\$71.78
17949	SC-9	\$133.10
17909	SC-15	\$69.42
17919	SC-16	\$80.79

Cylinder Shape - Radius End - Aluma

Part No.	Size	Price
17779	SC-1NF	\$21.80
17839	SC-3NF	\$29.49
17879	SC-5NF	\$43.92
17899	SC-6NF	\$68.19
17939	SC-7NF	\$100.43

Cylinder Shape - Radius End - 6" Extended Shank Length

Part No.	Size	Price
17769	SC-1L6	\$27.76
17819	SC-3L6	\$32.95
17869	SC-5L6	\$45.61

SD - Ball Shape



DOUBLE CUT

Ball Shape - Double Cut

Part No.	Size	Price
17979	SD-41	\$8.44
17989	SD-42	\$7.65
18009	SD-11	\$18.97
18019	SD-53	\$16.42
18029	SD-14	\$16.42
18039	SD-51	\$14.87
18049	SD-1	\$15.68
18079	SD-2	\$17.90
18089	SD-3	\$19.15
18119	SD-4	\$23.57
18129	SD-5	\$24.43
18159	SD-6	\$38.48
18179	SD-7	\$51.22
18199	SD-9	\$96.19

Ball Shape - Aluma

Part No.	Size	Price
18069	SD-1NF	\$21.61
18109	SD-3NF	\$26.42
18149	SD-5NF	\$38.91
18169	SD-6NF	\$55.67
18189	SD-7NF	\$79.22

Ball Shape - 6" Extended Shank Length

Part No.	Size	Price
18059	SD-1L6	\$27.76
18099	SD-3L6	\$30.96
18139	SD-5L6	\$39.30

SE - Oval / Egg Shape



DOUBLE CUT



ALUMA CUT

Oval / Egg Shape - Double Cut

Part No.	Size	Price
18239	SE-41	\$8.44
18249	SE-53	\$17.27
18259	SE-11	\$18.33
18269	SE-51	\$14.87
18279	SE-1	\$19.46
18299	SE-3	\$23.67
18329	SE-5	\$33.38
18359	SE-6	\$50.99
18379	SE-7	\$68.39

Oval / Egg Shape - Aluma

Part No.	Size	Price
18319	SE-3NF	\$30.45
18349	SE-5NF	\$46.55
18369	SE-6NF	\$65.64
18389	SE-7NF	\$81.13

Oval / Egg Shape- 6" Extended Shank Length

Part No.	Size	Price
18289	SE-1L6	\$31.77
18309	SE-3L6	\$36.78
18339	SE-5L6	\$46.97

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Order : 1-800-328-4655

Premium Carbide Burrs

SF Tree Shape Radius, SG Pointed Tree Shape, SK 60° Cone Shape, SL Taper Shape Radius 14° Included Angle, SM Pointed Cone Shape, SN Inverted Cone Shape

SF - Tree Shape Radius



DOUBLE CUT



ALUMA CUT

Tree Shape Radius - Double Cut

Part No.	Size	Price
18429	SF-41	\$8.44
18439	SF-42	\$7.65
18449	SF-11	\$18.81
18459	SF-53	\$17.27
18469	SF-51	\$14.87
18479	SF-1	\$17.37
18509	SF-3	\$22.03
18539	SF-4	\$29.15
18549	SF-13	\$31.27
18559	SF-5	\$31.08
18589	SF-6	\$45.83
18609	SF-7	\$65.63
18629	SF-14	\$92.37
18649	SF-15	\$99.15

Tree Shape Radius - Aluma

Part No.	Size	Price
18499	SF-1NF	\$22.52
18529	SF-3NF	\$29.49
18579	SF-5NF	\$40.45
18599	SF-6NF	\$63.95
18619	SF-7NF	\$90.17
18639	SF-14NF	\$109.33

Tree Shape Radius - 6" Extended Shank Length

Part No.	Size	Price
18489	SF-1L6	\$29.74
18519	SF-3L6	\$33.51
18569	SF-5L6	\$43.14

SG - Pointed Tree Shape



DOUBLE CUT

Pointed Tree Shape - Double Cut

Part No.	Size	Price
18679	SG-41	\$8.44
18689	SG-42	\$8.44
18699	SG-43	\$7.65
18709	SG-44	\$8.44
18719	SG-53	\$16.42
18729	SG-51	\$14.87
18739	SG-1	\$17.77
18759	SG-2	\$23.84
18769	SG-3	\$22.32
18789	SG-13	\$31.26
18799	SG-5	\$31.02
18819	SG-6	\$44.87
18829	SG-7	\$62.95
18839	SG-15	\$100.52

Pointed Tree Shape - 6" Extended Shank Length

Part No.	Size	Price
18749	SG-1L6	\$29.09
18779	SG-3L6	\$33.49
18809	SG-5L6	\$42.47

SJ - 60° Cone Shape



DOUBLE CUT

60° Cone Shape - Double Cut

Part No.	Size	Price
18979	SJ-42	\$8.44
18989	SJ-1	\$16.19
18999	SJ-3	\$19.58
19009	SJ-5	\$24.17
19019	SJ-6	\$42.72
19029	SJ-7	\$53.76
19039	SJ-9	\$90.67

SH - Flame Shape



DOUBLE CUT

Flame Shape - Double Cut

Part No.	Size	Price
18869	SH-41	\$8.44
18879	SH-53	\$17.90
18889	SH-1	\$17.96
18899	SH-2	\$21.27
18919	SH-5	\$31.41
18939	SH-6	\$72.43
18949	SH-7	\$95.63

Flame Shape - 6" Extended Shank Length

18909	SH-2L6	\$33.01
18929	SH-5L6	\$55.67

SK - 90° Cone Shape



DOUBLE CUT

90° Cone Shape - Double Cut

Part No.	Size	Price
19069	SK-42	\$8.44
19079	SK-1	\$17.27
19089	SK-3	\$19.85
19099	SK-5	\$24.17
19109	SK-6	\$42.72
19119	SK-7	\$53.76
19129	SK-9	\$90.67

SL - Taper Shape Radius - 14° Included Angle



DOUBLE CUT

Taper Shape Radius 14° Included Angle

Part No.	Size	Price
19159	SL-41	\$8.44
19169	SL-42	\$8.44
19179	SL-53	\$17.27
19189	SL-1	\$17.59
19209	SL-2	\$22.96
19219	SL-3	\$26.59
19249	SL-4	\$34.48
19279	SL-5	\$60.22
19299	SL-6	\$59.05
19319	SL-7	\$84.90

Taper Shape Radius 14° Included Angle - Aluma Cut

Part No.	Size	Price
19239	SL-3NF	\$33.98
19269	SL-4NF	\$43.68
19289	SL-5NF	\$82.59
19309	SL-6NF	\$91.93
19329	SL-7NF	\$110.98

Taper Shape Radius 14° Included Angle - Extra Length

Part No.	Size	Price
19199	SL-1L6	\$32.19
19229	SL-3L6	\$39.85
19259	SL-4L6	\$45.33

SM - Pointed Cone Shape



DOUBLE CUT

Pointed Cone Shape - Double Cut

Part No.	Size	Price
19359	SM-41	\$8.44
19369	SM-42	\$7.65
19379	SM-43	\$7.65
19389	SM-53	\$16.63
19399	SM-51	\$14.87
19409	SM-1	\$16.99
19419	SM-2	\$18.57
19429	SM-3	\$19.79
19439	SM-4	\$26.14
19449	SM-5	\$33.67
19459	SM-6	\$52.09

SN - Inverted Cone Shape



DOUBLE CUT

Inverted Cone Shape - Double Cut

Part No.	Size	Price
19489	SN-41	\$8.44
19499	SN-42	\$7.65
19509	SN-53	\$18.55
19519	SN-51	\$14.87
19529	SN-1	\$16.03
19539	SN-2	\$30.38
19549	SN-4	\$31.55
19559	SN-6	\$58.01
19569	SN-7	\$77.31

Premium Carbide Double Cut - Burr Sets

Burr Set A - 9pc \$154.42

Part #19669 Double Cut:
SA-51, SB-51, SC-51, SD-51, SE-51, SF-51, SG-51, SM-51, SN-51

Burr Set B - 9pc \$226.73

Part #19649 Double Cut:
SA-1, SA-3, SA-5, SC-1, SC-3, SC-5, SF-1, SF-3, SF-5

Burr Set C - 9pc \$226.46

Part #19639 Double Cut:
SB-1, SB-3, SB-5, SD-1, SD-3, SD-5, SE-1, SE-3, SE-5

Burr Set D - 9pc \$233.61

Part #19629 Double Cut:
SB-1, SB-3, SB-5, SC-1, SC-3, SC-5SF-1, SF-3, SF-5

Burr Set E - 8pc \$261.41

Part #19619 Double Cut:
SA-5, SC-5, SD-5, SE-5, SG-5, SH-5, SK-5, SM-5

Burr Set F - 8pc \$253.82

Part #19609 Double Cut:
SB-5, SC-5, SD-5, SF-5, SG-5, SH-5, SJ-5, SK-5

Premium Carbide Double & Aluma Cut Burr Displays

Burr Display - 48pc.

Part #19689 \$1,376.55

Double Cut: (1/8" SHANK)

SA-51DC, SB-51DC, SC-51DC, SD-51DC, SE-51DC,
SF-51DC, SG-51DC, SM-51DC, SN-51DC

Double Cut: (1/4" SHANK)

SA-1DC, SA-3DC, SA-5DC, SC-1DC, SC-3DC,
SC-5DC, SD-1DC, SD-3DC, SD-5DC, SE-1DC,
SE-3DC, SE-5DC SF-1DC, SF-3DC, SF-5DC,
SG-1DC, SG-3DC, SG-5DC, SL-4DC, SL-3DC,
SL-1DC, SM-5DC, SM-4DC, SM-3DC

Aluma Cut: (1/4" SHANK)

SA-1NF, SA-3NF, SA-5NF, SC-1NF, SC-3NF,
SC-5NF SD-5NF, SD-3NF, SE-5NF, SE-3NF,
SF-5NF, SF-3NF, SF-1FM, SL-4NF, SL-3NF

Burr Display - 24 pc.

Part #19679 \$710.34

Double Cut: (1/4" SHANK)

SA-5DC, SA-3DC, SA-1DC, SC-5DC, SC-3DC,
SC-1DC, SD-5DC, SD-3DC, SD-1DC, SE-5DC,
SE-3DC, SE-1DC, SF-5DC, SF-3DC, SF-1DC,
SG-5DC, SG-3DC, SG-1DC, SL-4DC, SL-3DC,
SL-1DC, SM-5DC, SM-4DC, SM-3DC

Cutting Tool Sets

Price List

Black & Gold, Magnum, Jobber Length

Type 170-AG

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



Part No.	Size	Price
58650	SP-11M	\$32.72
49042	SP-13M	\$49.38
58920	SP-19M	\$89.41
58660	SP-25M	\$163.43
49043	SP-41M	\$300.51
60090	SP-118M	\$673.58

Type 190-AG

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



Part No.	Size	Price
44110	SP-13	\$35.38
44120	SP-15	\$97.29
44130	SP-21	\$89.40
88660	SP-26	\$187.46
44150	SP-29	\$177.10
44170	SP-29P (Black Ultra Dex)	\$182.77
44190	SP-29PON (Blaze Orange Ultra Dex)	\$182.77
88640	SP-60	\$144.20
93840	SP-115	\$523.45

Type 190-CN

CN-TECH™ Cryo/Nitride
Jobber Length - 135°
Split Point Heavy-Duty
NAS 907B



Part No.	Size	Price
47492	CT-13	\$51.95
47472	CT-15	\$138.70
47482	CT-15P Red Ultra Dex	\$144.40
47452	CT-29	\$251.40
47462	CT-29P Red Ultra Dex	\$254.10
47502	CT-60	\$179.98
47512	CT-115	\$710.61

Type 128-AG

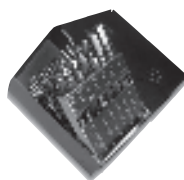
Jobber Length
Black & Gold
3/8" Shank - 135° Split Point
Heavy-Duty



Part No.	Size	Price
92110	RSP-15	\$108.83
92100	RSP-29	\$200.16
92150	RSP-29P (Ultra Dex)	\$205.88
92170	RSP-21	\$126.93

Type 175-AG

Mechanics Length
135° Split Point
3-Flats on Shank 3/16"
and Larger



Part No.	Size	Price
66460	SPM-13	\$38.50
66470	SPM-15	\$109.16
57810	SPM-21	\$96.55
66480	SPM-29	\$198.45
66820	SPM-29P (Black Ultra Dex)	\$201.00
67650	SPM-29PO (Orange Ultra Dex)	\$201.00

Type 178-AG

Mechanic Length - 3/8" Reduced Shank
Magnum Super Premium

Same as Type 175-AG except with 3/8" reduced shanks.

Part No.	Size	Price
57910	RSPM-15	\$117.93
92340	RSPM-21	\$134.13
57920	RSPM-29	\$215.78
57950	RSPM-29P (Black Ultra Dex)	\$218.30
58150	RSPM-29PO (Orange Ultra Dex)	\$218.30

Type QR-AG Sets

1/4" Hex Shank - Quick Release Drills
135° Split Point



Quick Release Sets		
Part No.	Size	Price
34811	1/16", 3/32", 1/8", 5/32" 3/16", 7/32", 1/4", 5/16", 3/8" 7/16", 1/2" & Quick Release Adaptor	\$127.22
34812	1/16", 3/32", 1/8", 5/32", 3/16" 7/32", 1/4", 9/32", 5/16", 11/32" 3/8", 13/32", 7/16", 15/32", 1/2" & Quick Release Adaptor	\$168.20
34803	1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4"	\$56.36
Sets QR-7A & QR-7B do not include Quick Release Adaptors.		
34804	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2"	\$78.17

Type 190-GF

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



Part No.	Size	Price
40611	GF-13	\$40.38
40612	GF-15	\$109.58
40613	GF-21	\$98.31
40604	GF-29	\$196.05
40614	GF-29P (Ultra Dex)	\$201.75

Type 190-GFR

3-flats on Shank 3/8" Reduced Shank
Same as Type 190-GF except with 3/8" reduced shanks.

Part No.	Size	Price
40631	GF-21RS	\$136.12
40641	GF-29RS	\$216.80
40651	GF29RSP	\$219.33

Type 190

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



Part No.	Size	Price
43330	A-10	\$25.56
43320	A-11	\$43.99
43340	A-13	\$33.42
43350	A-15	\$93.50
43360	A-21	\$83.95
43370	A-26	\$168.78
43380	A-29	\$172.52
60590	A-29P Ultra Dex	\$177.88
43390	A-60	\$134.83
43420	A-115	\$512.46

Black Oxide - 135° Split Point
In Plastic Case

Part No.	Size	Price
44870	PL-7A	\$26.38
44880	PL-10A	\$31.36
44890	PL-13A	\$39.38

Type 115

Black Oxide -
General Purpose



Part No.	Size	Price
42000	B-10	\$22.17
42010	B-11	\$45.25
42020	B-13	\$31.36
42030	B-15	\$86.80
42040	B-20	\$53.98
42050	B-21	\$77.16
42060	B-26	\$159.62
42070	B-29	\$160.78
42080	B-60	\$113.72
43300	B-80	\$268.83
43310	B-114	\$476.60
43440	B-115	\$471.17

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Cutting Tool Sets

Cobalt, TiN Coated, Titanium Carbon Nitride (TiCN) , Aluminum Titanium Nitride (TiAlN), Parabolic TiN Coated

Type 100

Jobber Length
Bright Finish
General Purpose



Part No.	Size	Price
43400	J-10	\$22.17
43410	J-11	\$45.25
43430	J-13	\$31.36
43450	J-15	\$86.80
43460	J-20	\$53.98
43480	J-21	\$77.16
43500	J-26	\$159.62
43520	J-29	\$160.78
43540	J-60	\$113.72
43550	J-115	\$471.17

Bright Finish with Clear Plastic case

Part No.	Size	Price
44267	PL-7	\$16.15
44277	PL-10	\$21.69
44287	PL-13	\$27.63

Type 128

V-Line
3/8" Shank
Bright Finish General



Part No.	Size	Price
44540	R-15	\$98.87
44530	R-29	\$178.07
44550	R-29P	\$183.78
44520	R-115	\$489.52

Type 150-M

Cobalt Jobber Length
- Metric NAS 907-J



Part No.	Size	Price
58670	D-11M	\$48.74
49082	D-13M	\$67.37
49081	D-19M	\$144.72
58680	D-25M	\$265.18
49083	D-41M	\$480.34

Type 120

1/4" Shank - General
Purpose 118° point



Part No.	Size	Price
43580	Q-15	\$92.43
43600	Q-21	\$83.00
43620	Q-29	\$174.36

1/4" Shank - Plastic Pouch

Part No.	Size	Price
47080	DC-4N	\$36.60
47090	DC-5N	\$39.78

Type 150

M42 Cobalt - NAS 907-J
Jobber Length - Gold Finish



Part No.	Size	Price
68320	D-13	\$58.41
68340	D-15	\$175.13
68310	D-20	\$158.34
68360	D-21	\$154.96
68380	D-26	\$292.46
68400	D-29	\$328.97
68410	D-29P Ultra Dex	\$335.75
68420	D-60	\$209.80
69280	D-115	\$8331.21

Type 190-AN

TiN Coated Jobber
Length 135° Split Point



Part No.	Size	Price
88670	AN-13	\$76.10
88680	AN-15	\$188.59
96740	AN-21	\$188.11
96690	AN-29	\$358.23
96770	AN-29PON Blaze Orange Ultra Dex	\$341.57
96700	AN-60	\$305.75
95110	AN-115	\$1,103.85

Type 190-ACN

Titanium Carbon Nitride (TiCN)
Jobber Length -135° Split Point

Part No.	Size	Price
81182	TICN-15	\$213.24
81152	TICN-21	\$213.01
81162	TICN-29	\$406.19

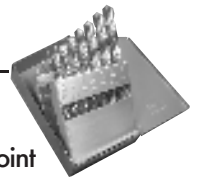
Type 190-ALN

Aluminum Titanium Nitride (TiAlN)
Jobber Length -135° Split Point

Part No.	Size	Price
81150	ALN-15	\$213.24
81160	ALN-21	\$213.01
81180	ALN-29	\$406.19

Type 100-BN

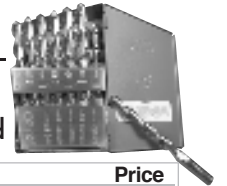
TiN Coated Jobber Length
General Purpose Super
High Performance - 118° Point



Part No.	Size	Price
48310	BN-13	\$72.63
48320	BN-15	\$179.95
48360	BN-20	\$140.66
48640	BN-26	\$323.52
48330	BN-29	\$341.08
48340	BN-60	\$291.08
48350	BN-115	\$1,052.85

Type 190-PT

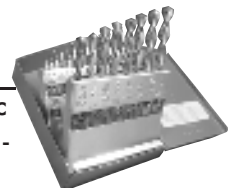
Jobber Length
Heavy-Duty
Parabolic - TiN Coated



Part No.	Size	Price
68090	PT-13	\$80.41
68110	PT-15	\$198.02
68130	PT-21	\$198.75
68160	PT-29	\$376.68

Type 190-P

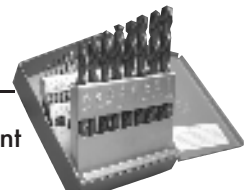
Heavy-Duty Parabolic
Flute 135° Split Point -
Black Oxide



Part No.	Size	Price
68080	P-13	\$41.04
68100	P-15	\$109.86
68120	P-21	\$99.70
68150	P-29	\$202.04

Type 198

Heavy-Duty Black
Oxide 135° Split Point



Part No.	Size	Price
06072	SA-13	\$30.93
06082	SA-15	\$86.70
06092	SA-21	\$78.37
06102	SA-29	\$158.76

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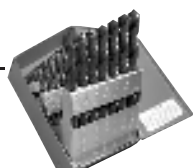
Cutting Tool Sets

Price List

Heavy-Duty, Silver & Deming, Acrylic

Type 118

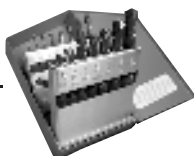
V-Line Black Oxide -
General Purpose



Part No.	Size	Price
06073	SJ-13	\$28.69
06083	SJ-15	\$79.93
06093	SJ-21	\$72.38
06103	SJ-29	\$145.68

Type 191

CAD-HD V-Line
Heavy-Duty Black Oxide



Part No.	Size	Price
43342	CAD-13A	\$31.08
43352	CAD-15A	\$84.21
43362	CAD-21A	\$76.23
43382	CAD-29A	\$151.92

Type 183-AG

Magnum Super Premium
Acrylic Drills



Part No.	Size	Price
31580	AD-7	\$86.09

Type 135-AG

Screw Machine
Length - Black & Gold



Part No.	Size	Price
66850	SPT-26	\$200.46
66490	SPT-29	\$169.83
23560	SPT-60	\$151.19

Type 135-TN

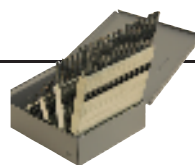
TiN Coated
Screw Machine
Length - Heavy-Duty
135° Split Point



Part No.	Size	Price
96680	TN-29	\$341.53
96730	TN-60	\$305.47

Type 135

Screw Machine
Length Black Oxide
- Heavy-Duty
135° Split Point



Part No.	Size	Price
43660	T-10	\$25.54
43670	T-11	\$49.18
43690	T-13	\$32.60
43710	T-21	\$81.63
43730	T-29	\$166.18
43750	T-60	\$123.50

Type 260

Screw Machine
High-Speed Steel
- General Purpose
118° Point



Part No.	Size	Price
10390	SM-29	\$165.50
35210	SM-60	\$140.00

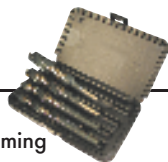
Type 260-BN Sets

HSS 118° Point TiN Coated

Part No.	Size	Price
25243	SMN-29	\$242.98
25253	SMN-60	\$253.42

Type 130-AG

135° Split Point
1/2" Shank - Silver & Deming
Black & Gold Heavy-Duty



Part No.	Size	Price
12250	S&D-4SP	\$186.82
92400	S&D-8SP	\$420.95
00940	SD8SPA	\$612.86
92402	S&D13SP	\$751.24
92401	S&D33SP	\$1,532.79

Type 150-N

TiN Coated NAS 907J

Part No.	Size	Price
79890	DN-13	\$91.63
79900	DN-15	\$237.54
79910	DN-21	\$223.91
79930	DN-26	\$402.48
79920	DN-29	\$455.79
79940	DN-60	\$366.80
79950	DN-115	\$1,262.74

Type 130-AGX

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



Part No.	Size	Price
74771	S&D-4AGX	\$155.68
74781	S&D-8AGX	\$375.96

Type 130-MRO

Maintenance Length
Silver & Deming 135° Split Point

Part No.	Size	Price
54520	S&D-4MRO	\$173.46

Type 130

1/2" Shank - Silver &
Deming 118° General
Purpose



Part No.	Size	Price
12260	S&D-4	\$166.07
43200	S&D-8	\$386.48
43202	S&D-13	\$684.95
43201	S&D-33	\$1,387.80

Type 130-D Sets

1/2" Shank M42 Cobalt 135° Split Point

Part No.	Size	Price
29551	S&D-4	\$310.07
29571	S&D-8	\$702.78

Type 170

Jobber Length -
METRIC General
Purpose - Black Oxide



Part No.	Size	Price
44050	M-11	\$30.16
44180	M-13	\$46.24
44060	M-25	\$160.33

Type 134-AG 1/2" Shank

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



Part No.	Size	Price
38860	SP-6HHS	\$152.23
38870	SP-6HHL	\$188.22
38880	SP-8HH	\$220.03

Displays, Counter, Sets, Stocking Cases, Dispensers

Displays, Stocking Cases Spira-Broach™

Type 925

Fractional Drills 300 Piece Assortment

This assortment is complete with glass front display pictured on the right side of this page. The case stocks 29 fractional sizes - 1/16" thru 1/2" by 64ths - each size in a separate compartment. Individual compartments are plainly marked with drill sizes. Drills will be attractively displayed yet secure with the glass locking cover.



Part No.	Size	Price
06490	300-SP	\$1,168.18
06520	300-HD	\$1,123.25
54720	300-BR	\$1,048.66
54750	300-BL	\$1,048.66
57640	300SPM	\$1,246.54
57641	300RSPM	\$1,354.81
68460	300-D	\$2,046.53
40632	300-GF	\$1,287.66
45150	DISPLAY ONLY (VGA)	\$219.65

Accessories

Part No.	Size	Price
58350	Lock & Key	\$20.01

Counter Displays/Sets

Silver & Deming Drills

Stocking cases/ Display with drills.



S&D-13 and S&D-13SP



S&D 8SPA

Silver & Deming

Part No.	Size	Price
00940	SD8SPA	\$612.86
00934	Display Only (SD-CAB)	\$353.21
43202	S&D-13	\$684.95
92402	S&D-13SP	\$751.24

Annular Cutters

Countertop display with clear Lexan front.



Part No.	Type	Price
00943	SB-20 Type 15	\$2,682.96
00944	SB-20HS Type 14	\$1,810.61
00949	SB-20SP Type 13SP	\$1,643.98
00939	Display Only (SB-CAB)	\$392.65

Step Drill

Type 78-ACN Sets

Part No.	Size	Price
65411	3/16 - 7/8"	\$212.91
65421	9/16 - 1"	\$200.59
65431	1/4 - 3/4"	\$189.86
65441	4 pc. EL - 4N	\$358.34

Counter Displays/Sets

Car Reamers

Counter Display: with 8 reamers 3/8" thru 1"

Sets: contain 4 reamers in hard shell case



Type 50-AG Standard Flute

Part No.	Size	Price
00941	Reamer (CR8SPA)	\$1,001.66

Type 50-AG	Standard Flute	Set
12270	CR-4SP	\$339.05
	Set contains 1 each	

Type 51-AG Fast Spiral with Collar

Part No.	Size	Price
00942	CR8FSA	\$1,075.47

Type 51-AG Fast Spiral	Set
12271 CR-4FS Set contains 1 each	\$374.11

00934	Display Only (SD-CAB)	\$353.21
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Spira-Broach™ Annular Cutter Sets

One each in 9/16", 11/16", 13/16", 15/16", 1-1/16"
Includes 2 Pilot Pins.



5 Piece Set

SB-5 1" Length

Part No.	Type	Price
15301	15	\$566.09
16901	14	\$360.00
16624	13SP	\$315.70

SB-5 2" Length

Part No.	Type	Price
15302	15L	\$800.95
16902	14L	\$519.82
16629	13LSP	\$468.29

Step Drill

Type 78-AG Sets

Part No.	Size	Price
01911	1/4 - 3/4"	\$112.11
01921	13/16 - 7/8"	\$127.98
01931	Electricians 7/8 - 1-1/8"	\$176.32
01941	1/4" - 1"	\$119.33
01981	4pc Set EL-4N	\$247.95



Step Drill

Type 78-AGN Sets

Part No.	Size	Price
01811	1/4 - 3/4"	\$147.59
01821	3/16 - 7/8"	\$167.33
01831	Electricians 7/8 - 1-1/8"	\$199.98
01841	1/4" - 1"	\$156.52
01871	4pc Set EL-4N	\$320.72



Stocking Cases

Closed Drawer All-Steel Stocking Units with Drills

Stocking cases for Fractional, Wire Gauge, Letter, and Metric drills.



Fractional Drills - 96 Piece Assortment

Part No.	Size	Price
06500	96-SP	\$526.35
16010	96-HD	\$506.09
37270	96-SPM	\$552.66
54690	96-BR	\$487.60
54760	96-BL	\$487.60
68440	96-D	\$824.57
37271	96-RSPM	\$602.68

Wire Gauge Drills - 249 Piece Assortment

Part No.	Size	Price
16030	249-HD	\$550.04
35070	249-SP	\$602.04
54700	249-BR	\$512.48
54770	249-BL	\$512.48

Letter Drills - 72 Piece Assortment

Part No.	Size	Price
16020	72-HD	\$490.96
35080	72-SP	\$527.76
54710	72-BR	\$487.60
54780	72-BL	\$487.60

Metric Drills - 91 Piece Assortment

Part No.	Size	Price
18910	91-SP	\$605.68

Drill Dispensers

Type 914

Empty drill dispensers for Fractional, Wire, and Letter sized drills.



Part No.	Size	Price
08930	DM-25 - Metric	\$169.64
44920	DF-29 - Fractional	\$179.84
44930	DN-60 - Wire	\$216.81
44940	DL-26 - Letter	\$179.84
43203	DSD-42 - S&D	\$220.11
57890	29-DMT	\$200.44

Step Drill

Type 78-QR Quick Release Sets

Part No.	Size	Price
20761	1/8" - 7/8"	\$131.29
20751	1/4" - 3/4"	\$151.40
01461	Electricians 7/8" & 1-1/8"	\$165.98

Step Drill

Type 78-QRN Quick Release Sets

Part No.	Size	Price
68811	1/8 - 7/8	\$203.39
68801	1/8 - 3/4	\$151.40
68581	1/8 - 1-1/8	\$203.85

Silver & Deming Cabinets

Type 914

Huot Model 13166

Holds 2 each Reduced Shank S&D bits from 33/64ths to 63/64ths by 64ths.

Part No.	Size	Price
00950	14-5/8" W x 7-3/8" D x 7-3/4" H (SD63/64")	\$260.50

Huot Model 13167

Holds 2 each: Reduced Shank S&D bits from 1", 1-1/32", 1-1/16", 1-1/8", 1-5/32", 1-3/16", 1-1/4", 1-5/16", 1-3/8", 1-7/16", 7 1-1/2"

Part No.	Size	Price
00951	14-5/8" W x 7-3/8" D x 7-3/4" H (SD1-1/2")	\$232.48

Master Tap Dispensers

Type 914

Holds all sizes of National Pipe Taps (NPT) from 1/16" to 2"



Huot Model 13560

Part No.	Size	Price
01323	National Pipe Taps (NPT) 1/16" to 2"	\$211.74

Holds Metric Taps, Drills and Dies.
From 2.5 x .45 taps to 12.0 x 1.75 taps.

Huot Model 13595 METRIC

Part No.	Size/Metric	Price
01324	2.5 x .45 to 12.0 x 1.75 Taps & Dies w/ correct Drill	\$211.74

Drill Gauges

Type 914



Huot Model 9092

Wire: #1 - 60

Part No.	Size	Price
58522	6" W x 3" D (WDG)	\$17.70

Huot Model 12260

Small: 1/16" - 1/2" x 64

Part No.	Size	Price
58520	5-1/4" W x 2" D (FDG)	\$5.14

Huot Model 12280

Large: 1/2" - 1" x 64

Part No.	Size	Price
58521	13" W x 5" D (LGDG)	\$25.30

Master Drill Dispensers

Type 914

All steel cabinet with vinyl dividers to help protect and separate bits.



Huot Model 13175 - US Size Drills

Part No.	Size	Price
00682	1/16" - 1/2" by 64ths, #1-60, A-Z	\$879.51

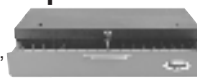
Huot Model 13180 - Metric Size Drills

Part No.	Size	Price
00681	.35 thru 13.0 by .05mm	\$879.51

Under-Mount Dispensers

Type 914

The latest thing in organizing, sorting, storing and securing your cutting tools.



The outer shell can be mounted underneath a work bench, desk, shelf, inside a cabinet, just about anywhere. The drawer has a cam-lock to keep your cutting tools safely stored.

Part No.	Size	Price
01021	Fractional (DD-29)	\$319.31
01022	Wire Gauge (DD-60)	\$347.32
01023	Letter (DD-26)	\$319.31
01024	Empty (DD-00)	\$252.08

Stocked Counter Displays

Contains carbon steel taps & dies. Compact metal case attractively displays complete assortment of carbon steel taps, dies and wrenches.



Locking scratch proof Lexan front reduces pilferage and keeps merchandise clean.

Display - Round

Part No.	Size	Price
50010	252-PCR (Round)	\$1,735.52

Display - Hex

Part No.	Size	Price
50210	252-PCH (Hex)	\$1,735.52

Master Tap Dispensers

Type 914

Holds most common NC/NF sizes from 1/4" to 1-1/2"



Huot Model 13585

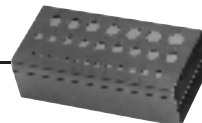
Part No.	Size	Price
01321	2.5mm thru 30mm	\$911.74

Huot Model 13580

Part No.	Size	Price
01322	1/4-20 thru 1-14	\$1,029.39

Drill Stands

Type 914



Huot Model 826 Letter Sizes

Part No.	Size	Price
01011	Letter sizes A - Z. (DS-26)	\$9.49

Huot Model 829 Fractional Sizes

Part No.	Size	Price
01012	Fractional drills 1/16" to 1/2" by 64ths inclusive. (DS-29)	\$9.49

Tap & Die Countertop Displays

Magnum Super Premium

Stocked displays contain an assortment of Premium HSS taps and dies.



53pc. Straight Flute Taps & Hex Dies

Part No.	Size	Price
35150	53-SF	\$1080.80
45000	Case Only	\$474.79

55pc. Spiral Point Taps & Hex Dies

Part No.	Size	Price
35160	55-SP	\$1,210.89
45000	Case Only	\$474.79

Tap & Drill Assortments, Display Packages & Indexes

Tap & Drill Assortments, Indexes

Display Packages

Type 175-AG

Mechanics Length Drills

Magnum Super Premium

Super premium drills in attractive, strong selling displays. All drills are packed on blue cards with scan-able bar-code.

The complete super premium drill feature/benefit story is printed on the cards.

Display prices are 15% lower than the combined prices of individual drills.

1/16" thru 1/8" sizes are packed 3 per card and 9/64" thru 1/4" are packed 2 per card.

178-AG drills with flattened reduced shanks are used where indicated.
All displays contain an attractive header card and 1/4" peg board fasteners.



Type 175-AG Displays		
Part No.	Size	Price
81641	DC72SP	\$249.10
81631	DC116SP	\$422.08
81651	DC145SP	\$470.52
Part No.	Size	Price
14120	Rack Only	\$45.36

Carbide Tipped Holecutter Display

Type CHC-AG

Super Premium

Easily cuts large diameter holes in pipe and steel plate up to 1" thick. 18 piece display contains rack, **one of each**.

CHC-AG holecutters:

13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4", & 1-3/8"

And one of each CHD-AG holecutters:

13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4", & 1-3/8"



62700 Hanging Display **\$1,152.08**

Tap & Drill Assortments

Magnum Super Premium

Special Hi - Tungsten and Hi - Molybdenum tool steels, gold surface treated for maximum lubricity. Recommended for use in production tapping and drilling of work hardening grades of stainless steel and other hard metal applications. Precision ground tap threads for the ultimate in accuracy and performance.



67pc. Spiral Point Taps & Jobber Length Drills		
Part No.	Size	Price
35121	67-SP	\$495.43

123pc. Spiral Point Taps & Jobber Length Drills		
Part No.	Size	Price
35120	123-SP	\$943.79

123pc. Straight Flute Taps & Jobber Length Drills		
Part No.	Size	Price
35110	123-SF	\$917.49
35100	Display Only (DTD-29)	\$179.84

Indexes Only

Type 902 Jobber Indexes

Part No.	Description	Price
43870	I-11	\$10.53
43760	I-13	\$7.22
49044	I-13M	\$16.20
43770	I-15	\$13.08
43780	I-20	\$9.45
43790	I-21	\$13.08
43880	I-25	\$15.92
43800	I-26	\$15.92
43810	I-29	\$15.92
49049	I-41	\$59.82
43860	I-60	\$12.89
43940	I-115	\$81.88

Silver & Deming Indexes

Part No.	Description	Price
57440	ISD-8SP	\$91.70
43930	I-SD	\$87.33
12240	PL-4SD	\$20.76
12243	PL-8SD	\$24.22
57430	A-33	\$98.84

Plastic Indexes & Cases

Part No.	Description	Price
44000	I-13PL	\$10.87
44020	I-25TDI	\$15.29
44040	I-40TDI	\$59.31
61670	I-58TDI	\$63.26

Screw Machine Indexes

Part No.	Description	Price
43890	S-13	\$11.57
43900	S-21	\$21.08
43980	S-26	\$22.81
43910	S-29	\$15.41
23250	I-29SPT	\$21.09
43920	S-60	\$18.18

Black Indexes - ID Plate Slot Jobber Indexes continued

Part No.	Description	Price
28580	I-3SP	\$30.33
57420	I-7SP	\$20.17
57460	I-13SP	\$9.72
57470	I-15SP	\$17.30
57480	I-21SP	\$17.04
99860	I-21SPR	\$20.18
58930	I-25SP	\$20.18
57490	I-26SP	\$20.18
57500	I-29SP	\$20.18
57510	I-60SP	\$17.30
57520	I-115SP	\$86.51

Tap & Drill Indexes

Part No.	Description	Price
58320	I-10TD	\$115.36
58502	I-12TD	\$11.08
57570	I-18TD	\$18.17
57980	I-18TDM	\$18.75
58000	I-18TDF	\$18.17

Drill & Extractor Index

Part No.	Description	Price
58331	I-BRSQ	\$20.36

Hole Hog Index

Part No.	Description	Price
38850	I-8HH	\$41.24

Tap Indexes

Part No.	Description	Price
61640	I-10T	\$27.40
61630	I-19T	\$27.40

Spotweld Index

Part No.	Description	Price
35000	I-6WO	\$14.87
16040	I-4WO	\$10.87

Index - Norseman/CTD Drill and Tool

Type	Pg.	Type	Pg.	Type	Pg.
Type Ext Extensions	57	Type 100	5 - 6	Type 240-F	9
MBD 4500, MBD 40	49	Type 100-BN	15 - 16	Type 260	18
MBD 6500 & 7000	49	Type 115	7 - 8	Type 260-D	21
Type 11-AG	5, 9, 21	Type 118 V-Line	8	Type 260-AND Titanium Aluminum Nitride	21
Type 13SP & 13LSP	51	Type 120	7	Type 260-BN	22
Type 14 & 14L	50 - 51	Type 125	18	Type 260-TW	19
Type 15 & 15L	50	Type 128	7	Type 296	57
Type 16-AG	54	Type 128-AG	3	Type 296-XL 60° Angle 	57
Type 20 Bright	34	Type 130	27	Type 340-A	15
Type 20-AG Gold Oxide	34	Type 130-D	27	Type 400 Hi-Carbon Round Die	47
Type 20-AGN Titanium Nitride	34	Type 130-MRO	27	Type 405 Hi-Carbon Hex Die	42
Type 21 Metric	34	Type 130-AG Gold Oxide	26	Type 410 Hi-Carbon Pipe Tap	48
Type 21-AG Metric Gold Oxide	34	Type 130-AGX	26	Type 415 Hi-Carbon Round Adjustable	47
Type 21-AGN Metric-Titanium Nitride	34	Type 130-AGM Metric - Gold Oxide	26	Type 420 Spiral Extractor	52
Type 23 Bright	36 - 37	Type 131-AG Gold Oxide	26	Type 421-AG, 421-USA	52
Type 23-AG Gold Oxide	35	Type 134-AG Gold Oxide	53	Type 500	32 - 33
Type 23-AGN Titanium Nitride	35 - 36	Type 135	18 - 19	Type 510	32
Type 23L-AG	39	Type 135-AG Gold Oxide	18 - 19	Type 520	33
Type 24 Bright	36 - 37	Type 135-AL 	52	Type 602 Carbide Tipped	56
Type 24-AG Gold Oxide	35	Type 135-TN	22	Type 602-C Solid Carbide	56
Type 24-AGN Titanium Nitride	35 - 36	Type 140	55	Type 626	54
Type 24L-AG	39	Type 140-G	55	Type 720, 721, 740, 741	45
Type 25 Bright	36 - 37	Type 150	11	Type 722, 723	46
Type 25-AG Gold Oxide	35	Type 150-M	30	Type 725, 726	48
Type 25-AGN Titanium Nitride	35 - 36	Type 160 & 165	25	Type 727	48
Type 25L-AG	39	Type 166	25	Type 727R Ratcheting T-Handle	48
Type 26 Sets	37	Type 167-D	25	Type 728	48
Type 26-AG Sets	37	Type 168	25	Type 729, 730	48
Type 26-AGN Sets	37	Type 169-D	25	Type 760, 761	46
Type 27-AG & 27-AG Metric	45	Type 170	29	Type 780	48
Type 29-AG, 29-AGN	42	Type 170-AG Gold Oxide	28	Type 790 Metric Hex Die	47
Type 29-ACN, 29-ALN	42, 43	Type 170-W	29	Type 901	65
Type 24-RNC Gold Oxide	43	Type 175-AG Gold Oxide	16	Type 914	63 - 64
Type 24-RNCN Titanium Nitride	43	Type 178-AG Gold Oxide	17	Type 925	63
Type 30-AG Gold Oxide	44	Type 180-GP Black & Gold 	54	Type 935	54
Type 30-AGN Titanium Nitride	44	Type 180-SA Bright Finish	54	Type 950, 951 General Purpose	54
Type 30-B Black Oxide	44	Type QR-AG Extension 3", 6", 12"	54	Type 952, 953 General Purpose	54
Type 30 Bright	44	Type 183-AG Gold Oxide	56	3pc CHC-AG Set	56
Type I30-AG Gold Oxide	44	Type 185 Pilot Drills For Hole Saws	54	Type CHC-AG & CHD-AG	56
Type I30-AGN Titanium Nitride	44	Type 186	57	Type QR-AG	17
Type I30-B Black Oxide	44	Type 187	57	Premium Carbide Burrs	58 - 59
Type I30 Bright Finished	44	Type 187-B	57	WO-4 & WO-6 Sets	57
Type 31 Metric	38	Type 187-DN	57	WO-20 Display	57
Type 31-AG Gold Oxide	37 - 38	Type 190-CN CN-TECH™	1, 60	Type TDC-12 Set	43
Type 31-AGN Titanium Nitride	38	Type 190-AG Gold Oxide	2, 60	Type XGT-J	30 - 31
Type 32 Metric	38	Type 190	3 - 4, 60	Type XGT-JN Titanium Nitride	31
Type 32-AG Gold Oxide	37 - 38	Type 190-AL Left Hand Drill	52	Type XGT-AG Gold Oxide	24
Type 32-AGN Titanium Nitride	38	Type 190-P & 190-PT	10 - 11, 61		
Type 33 Metric	36	Type 190-AL Sets	52		
Type 33-AG Gold Oxide	37 - 38	Type 190-AN	13		
Type 33-AGN Titanium Nitride	38	Type 190-ACN	13 - 14, 61		
Type 34-AG Gold Oxide	44	Type 190-ALN	14, 61		
Type 35 Metric Sets	38	Type 190-GF & 190-GFR	4		
Type 35-AG Metric Sets	38	Type 190-SS High Helix 	7		
Type 35-AGN Metric Sets	38	Type 191 V-Line	17		
Type 40-AG, Type 40-QR	43	Type 198 V-Line	5		
Type 50-AG Gold Oxide	53	Type 210	23		
Type 51-AG Gold Oxide	53	Type 214	57		
Type 52-AG Gold Oxide	53	Type 220	24		
Type 53-AG Gold Oxide	53	Type 221-P Parabolic	24		
Type 54-AG Gold Oxide	53	Type 221-PT Titanium Nitride	24		
Type 55-AG Gold Oxide	53	Type 224	25		
Type 78-ACN, B78-AG, B78-AGN	55	Type 230	9		
Type 78-QR, 78-QRN	55	Type 150-ALN Titanium Aluminum Nitride	12 - 13		
Type 82-AG, 90-AG, 83-AG 	57	Type 240-DB Blanks	33		

Norseman/CTD Drill and Tool - Index

Type	Sets	Pg.	Type	Sets	Pg.	Type	Sets	Pg.
13SP, 13LSP		51		PL-7	5, 61	260	SM-29	20, 62
14, 14L		50 - 51	100	PL-10	5, 61		SM-60	20, 62
15, 15L		50		PL-13	5, 61	260-BN	SMN-29	22, 62
16-AG	BF-10	54		PL-14	5, 61		SMN-60	22, 62
	BF-14	54	100-BN	BN-13	15 - 16, 61	135	T-10	18 - 19, 62
20-AG	SP-10T	43		BN-15	15 - 16, 61		T-11	18 - 19, 62
	SF-10T	43		BN-26	15 - 16, 61		T-13	18 - 19, 62
	SP-12TD	39		BN-29	15 - 16, 61		T-21	18 - 19, 62
	SP-18TD	39		BN-60	15 - 16, 61		T-29	18 - 19, 62
	SP-18TDF	39		BN-115	15 - 16, 61		T-60	18 - 19, 62
	SP-19T	43	150	D-13	11, 61	135-AL 	BR-10SQ	52
21-AG	SP-18TDM	39		D-15	11, 61	135-TN	TN-29	22, 62
24-AG	SF-10TD	39		D-20	11, 61		TN-60	22, 62
	SF-18TDC	39		D-21	11, 61	135-AG	SPT-26	17 - 18, 62
	SF-18TDF	39		D-26	11, 61		SPT-29	17 - 18, 62
40-AG	DT-7C	43		D-29	11, 61		SPT-60	17 - 18, 62
	DT-7F	43	Black Ultra Dex	D-29P	11, 61	120	Q-15	7, 61
40-QR	DT-7C	43		D-60	11, 61		Q-29	7, 61
82-AG	SP-4CS	57		D-115	11, 61		DC-4N	7, 61
	SP-4ACS	57	190-CT	CT-13	1, 60		DC-5N	7, 61
	SP-9CS	57		CT-15	1, 60	128	R-15	7, 61
90-AG	SP6DB	57	Red Ultra Dex	CT-15P	1, 60		R-29	7, 61
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Decimal Equivalent Chart

Drill Size	Decimal	Drill Size	Decimal	Drill Size	Decimal	Drill Size	Decimal	Drill Size	Decimal
00.10	.0039	54	.0650	25	.1495	H	.2660	29/64	.4531
97	.0059	01.40	.0651	03.80	.1496	06.30	.2677	11.80	.4646
96	.0063	01.45	.0671	24	.1520	06.90	.2717	15/32	.4688
95	.0067	01.50	.0691	03.90	.1535	I	.2720	12.00	.4724
94	.0071	53	.0695	23	.1540	07.00	.2756	12.20	.4800
93	.0075	01.55	.0610	5/32	.1562	J	.2770	31/64	.4844
92	.0079	1/16	.0625	22	.1570	07.10	.2795	12.50	.4821
00.20	.0079	01.60	.0630	04.00	.1575	K	.2610	1/2	.5000
91	.0083	52	.0635	21	.1590	9/32	.2812	13.00	.5118
90	.0087	01.65	.0650	20	.1610	07.20	.2635	33/64	.5158
89	.0091	01.70	.0685	04.10	.1614	07.30	.2674	17/32	.5312
88	.0095	51	.0670	04.20	.1654	L	.2900	13.50	.5315
87	.0100	01.75	.0695	19	.1660	07.40	.2913	35/64	.5468
86	.0105	50	.0700	04.30	.1693	M	.2950	14.00	.5512
85	.0110	01.80	.0705	18	.1695	07.50	.2953	9/16	.5625
84	.0115	01.85	.0725	17/64	.1718	19/64	.2969	14.50	.5708
00.30	.0118	49	.0730	17	.1732	07.60	.2992	37/64	.5781
83	.0120	01.90	.0745	04.40	.1732	N	.3020	15.00	.5906
82	.0125	48	.0750	16	.1773	07.70	.3031	19/32	.5938
81	.0130	01.95	.0785	04.50	.1772	07.80	.3071	39/64	.6094
80	.0135	5/64	.0781	15	.1803	07.90	.3110	15.50	.6102
00.35	.0138	47	.0795	04.60	.1811	5/16	.3125	5/8	.6250
79	.0145	02.00	.0787	14	.1820	08.00	.3150	16.00	.6299
1/64	.0156	02.05	.0807	13	.1850	O	.3180	41/64	.6406
00.40	.0157	46	.0810	04.70	.1850	08.10	.3189	16.50	.6496
78	.0160	45	.0820	3/16	.1875	08.20	.3226	21/32	.6582
00.45	.0177	02.10	.0827	12	.1890	P	.3230	17.00	.6693
77	.0180	02.15	.0848	04.80	.1890	08.30	.3288	43/64	.6719
00.50	.0187	44	.0850	11	.1910	21/64	.3281	11/16	.6875
76	.0200	02.20	.0865	04.90	.1929	08.40	.3307	17.50	.6890
75	.0210	02.25	.0885	10	.1935	Q	.3320	45/64	.7031
00.55	.0217	43	.0890	9	.1950	08.50	.3346	18.00	.7087
74	.0225	02.30	.0905	05.00	.1955	08.60	.3386	23/32	.7188
00.60	.0236	02.35	.0925	8	.1980	R	.3390	18.50	.7203
73	.0240	42	.0935	05.10	.2005	08.70	.3425	47/64	.7344
72	.0250	3/32	.0938	7	.2010	11/32	.3438	19.00	.7480
00.65	.0256	02.40	.0945	13/64	.2031	08.80	.3485	3/4	.7500
71	.0260	41	.0980	6	.2040	S	.3480	49/64	.7656
00.70	.0276	02.45	.0965	05.20	.2047	08.90	.3504	19.50	.7677
70	.0280	40	.0980	5	.2055	09.00	.3543	25/32	.7812
69	.0292	02.50	.0984	05.30	.2087	I	.3580	20.00	.7874
00.75	.0295	39	.0995	4	.2090	09.10	.3583	51/64	.7869
68	.0310	38	.1015	05.40	.2126	23/64	.3684	20.50	.8071
1/32	.0312	02.60	.1024	3	.2130	09.20	.3622	13/16	.8125
00.80	.0315	37	.1040	05.50	.2155	09.30	.3661	21.00	.8268
67	.0320	02.70	.1063	7/32	.2188	U	.3660	53/64	.8261
66	.0330	36	.1085	05.60	.2205	09.40	.3701	27/32	.8438
00.85	.0335	7/64	.1094	2	.2210	09.50	.3740	21.50	.8465
65	.0350	35	.1100	05.70	.2244	3/8	.3750	55/64	.8594
00.90	.0354	02.80	.1102	1	.2280	V	.3770	22.00	.8661
64	.0360	34	.1110	05.80	.2293	09.60	.3780	7/8	.8750
63	.0370	33	.1130	05.90	.2325	09.70	.3819	22.50	.8856
00.95	.0374	02.90	.1142	A	.2340	09.80	.3858	57/64	.8906
62	.0380	32	.1160	15/64	.2344	W	.3860	23.00	.9055
61	.0390	03.00	.1181	06.00	.2362	09.90	.3898	29/32	.9062
01.00	.0394	31	.1200	B	.2380	25/64	.3906	59/64	.9219
60	.0400	03.10	.1220	06.10	.2402	10.00	.3937	23.50	.9252
59	.0410	1/8	.1250	C	.2420	X	.3970	15/16	.9375
01.05	.0413	03.20	.1260	06.20	.2441	10.20	.4016	24.00	.9449
58	.0420	30	.1265	D	.2460	Y	.4040	61/64	.9531
57	.0430	03.30	.1289	06.30	.2480	10.30	.4055	24.50	.9646
01.10	.0433	03.40	.1329	1/4	.2500	13/32	.4062	31/32	.9688
01.15	.0453	29	.1350	E	.2503	Z	.4130	25.00	.9843
56	.0465	03.50	.1376	06.40	.2522	10.50	.4134	63/64	.9844
3/64	.0469	28	.1405	06.50	.2553	27/64	.4219	1	1.0000
01.20	.0472	5/64	.1406	F	.2573	10.60	.4252		
01.25	.0482	03.60	.1417	06.60	.2593	11.00	.4331		
01.30	.0512	27	.1440	G	.2610	7/16	.4375		
55	.0520	03.70	.1457	06.70	.2633	11.20	.4400		
01.35	.0531	26	.1470	17/64	.2655	11.50	.4523		

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