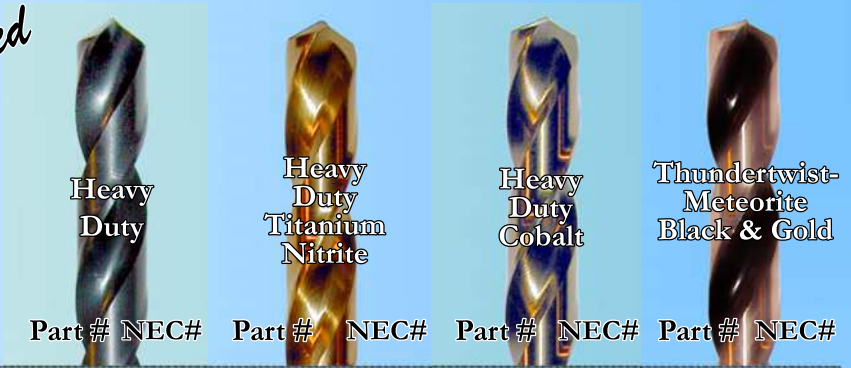


# HIGH SPEED - AMERICAN JOBBERS - HEAVY DUTY (135° SPLIT-POINT)

- 135° Split-Point
- Ground Flute
- Made in the U.S.A.
- NAS 907 Type B

*High Speed Steel!*



Size	Dec.	Flute Len	OAL	PKG QTY	Part #	NEC#	Part #	NEC#	Part #	NEC#	Part #	NEC#
1/32"	.0312	1/2	1-3/8	12	HD.031	42031			COB.031	43031		
3/64"	.0469	3/4	1-3/4	12	HD.046	42046			COB.046	43046		
1/16"	.0625	7/8	1-7/8	12	HD.062	42062	HDT.062	71062	COB.062	43062	HDC.062	51062
5/64"	.0781	1	2	12	HD.078	42078	HDT.078	71078	COB.078	43078	HDC.078	51078
3/32"	.0938	1-1/4	2-1/4	12	HD.093	42093	HDT.093	71093	COB.093	43093	HDC.093	51093
7/64"	.1094	1-1/2	2-5/8	12	HD.109	42109	HDT.109	71109	COB.109	43109	HDC.109	51109
1/8"	.1250	1-5/8	2-3/4	12	HD.125	42125	HDT.125	71125	COB.125	43125	HDC.125	51125
9/64"	.1406	1-3/4	2-7/8	12	HD.140	42140	HDT.140	71140	COB.140	43140	HDC.140	51140
5/32"	.1562	2	3-1/8	12	HD.156	42156	HDT.156	71156	COB.156	43156	HDC.156	51156
11/64"	.1719	2-1/8	3-1/4	12	HD.171	42171	HDT.171	71171	COB.171	43171	HDC.171	51171
3/16"	.1875	2-5/16	3-1/2	12	HD.187	42187	HDT.187	71187	COB.187	43187	HDC.187	51187
13/64"	.2031	2-7/16	3-5/8	12	HD.203	42203	HDT.203	71203	COB.203	43203	HDC.203	51203
7/32"	.2188	2-1/2	3-3/4	12	HD.218	42218	HDT.218	71218	COB.218	43218	HDC.218	51218
15/64"	.2344	2-5/8	3-7/8	12	HD.234	42234	HDT.234	71234	COB.234	43234	HDC.234	51234
1/4"	.2500	2-3/4	4	12	HD.250	42250	HDT.250	71250	COB.250	43250	HDC.250	51250
17/64"	.2656	2-7/8	4-1/8	12	HD.265	42265	HDT.265	71265	COB.265	43265	HDC.265	51265
9/32"	.2812	2-15/16	4-1/4	12	HD.281	42281	HDT.281	71281	COB.281	43281	HDC.281	51281
19/64"	.2969	3-1/16	4-3/8	6	HD.296	42296	HDT.296	71296	COB.296	43296	HDC.296	51296
5/16"	.3125	3-3/16	4-1/2	6	HD.312	42312	HDT.312	71312	COB.312	43312	HDC.312	51312
21/64"	.3281	3-5/16	4-5/8	6	HD.328	42328	HDT.328	71328	COB.328	43328	HDC.328	51328
11/32"	.3438	3-7/16	4-3/4	6	HD.343	42343	HDT.343	71343	COB.343	43343	HDC.343	51343
23/64"	.3594	3-1/2	4-7/8	6	HD.359	42359	HDT.359	71359	COB.359	43359	HDC.359	51359
3/8"	.3750	3-5/8	5	6	HD.375	42375	HDT.375	71375	COB.375	43375	HDC.375	51375
25/64"	.3906	3-3/4	5-1/8	6	HD.390	42390	HDT.390	71390	COB.390	43390	HDC.390	51390
13/32"	.4062	3-7/8	5-1/4	6	HD.406	42406	HDT.406	71406	COB.406	43406	HDC.406	51406
27/64"	.4219	3-15/16	5-3/8	6	HD.421	42421	HDT.421	71421	COB.421	43421	HDC.421	51421
7/16"	.4375	4-1/16	5-1/2	6	HD.437	42437	HDT.437	71437	COB.437	43437	HDC.437	51437
29/64"	.4531	4-3/16	5-5/8	6	HD.453	42453	HDT.453	71453	COB.453	43453	HDC.453	51453
15/32"	.4688	4-5/16	5-3/4	6	HD.468	42468	HDT.468	71468	COB.468	43468	HDC.468	51468
31/64"	.4844	4-3/8	5-7/8	6	HD.484	42484	HDT.484	71484	COB.484	43484	HDC.484	51484
1/2"	.5000	4-1/2	6	6	HD.500	42500	HDT.500	71500	COB.500	43500	HDC.500	51500

See Page 17-18 for Jobber Sets

"A-Z" Sizes Stocked in Cobalt, and Heavy Duty

Our Heavy Duty drills are built with a heavy web construction, and 135° Split-Point for maximum rigidity and heavier cutting ability.

Our Cobalt High Speed drills are made of high speed Cobalt Steel. The Cobalt content adds high abrasion resistance to the already hard working properties of our Heavy Duty Drills. Heavy web construction and 135° Split-Point add to the long life of these bits.

*High Speed Steel!*

AMERICAN JOBBERS (WIRE SIZES) - HIGH SPEED

# New Twist<sup>®</sup>

## WIRE SIZE JOBBER LENGTH DRILLS

Made in the U.S.A.

Black - NAS 907 Type A • Heavy Duty - NAS 907 Type B • Cobalt - NAS 907 Type J



Size	Dec.	Flute Len	OAL	Black	Heavy Duty	Cobalt
1	.2280	2-5/8	3-7/8	JL01	HD01	COB01
2	.2210	2-5/8	3-7/8	JL02	HD02	COB02
3	.2130	2-1/2	3-3/4	JL03	HD03	COB03
4	.2090	2-1/2	3-3/4	JL04	HD04	COB04
5	.2055	2-1/2	3-3/4	JL05	HD05	COB05
6	.2040	2-1/2	3-3/4	JL06	HD06	COB06
7	.2010	2-7/16	3-5/8	JL07	HD07	COB07
8	.1990	2-7/16	3-5/8	JL08	HD08	COB08
9	.1960	2-7/16	3-5/8	JL09	HD09	COB09
10	.1935	2-7/16	3-5/8	JL10	HD10	COB10
11	.1910	2-5/16	3-1/2	JL11	HD11	COB11
12	.1890	2-5/16	3-1/2	JL12	HD12	COB12
13	.1850	2-5/16	3-1/2	JL13	HD13	COB13
14	.1820	2-5/16	3-3/8	JL14	HD14	COB14
15	.1800	2-3/16	3-3/8	JL15	HD15	COB15
16	.1770	2-3/16	3-3/8	JL16	HD16	COB16
17	.1730	2-3/16	3-3/8	JL17	HD17	COB17
18	.1695	2-1/8	3-1/4	JL18	HD18	COB18
19	.1660	2-1/8	3-1/4	JL19	HD19	COB19
20	.1610	2-1/8	3-1/4	JL20	HD20	COB20
21	.1590	2-1/8	3-1/4	JL21	HD21	COB21
22	.1570	2	3-1/8	JL22	HD22	COB22
23	.1540	2	3-1/8	JL23	HD23	COB23
24	.1520	2	3-1/8	JL24	HD24	COB24
25	.1495	1-7/8	3	JL25	HD25	COB25
26	.1470	1-7/8	3	JL26	HD26	COB26
27	.1440	1-7/8	3	JL27	HD27	COB27
28	.1405	1-3/4	2-7/8	JL28	HD28	COB28
29	.1360	1-3/4	2-7/8	JL29	HD29	COB29
30	.1285	1-5/8	2-3/4	JL30	HD30	COB30

Size	Dec.	Flute Len	OAL	Black	Heavy Duty	Cobalt
31	.1200	1-5/8	2-3/4	JL31	HD31	COB31
32	.1160	1-5/8	2-3/4	JL32	HD32	COB32
33	.1130	1-1/2	2-5/8	JL33	HD33	COB33
34	.1110	1-1/2	2-5/8	JL34	HD34	COB34
35	.1100	1-1/2	2-5/8	JL35	HD35	COB35
36	.1065	1-7/16	2-1/2	JL36	HD36	COB36
37	.1040	1-7/16	2-1/2	JL37	HD37	COB37
38	.1015	1-7/16	2-1/2	JL38	HD38	COB38
39	.0995	1-3/8	2-3/8	JL39	HD39	COB39
40	.0980	1-3/8	2-3/8	JL40	HD40	COB40
41	.0960	1-3/8	2-3/8	JL41	HD41	COB41
42	.0935	1-1/4	2-1/4	JL42	HD42	COB42
43	.0890	1-1/4	2-1/4	JL43	HD43	COB43
44	.0860	1-1/8	2-1/8	JL44	HD44	COB44
45	.0820	1-1/8	2-1/8	JL45	HD45	COB45
46	.0810	1-1/8	2-1/8	JL46	HD46	COB46
47	.0785	1	2	JL47	HD47	COB47
48	.0760	1	2	JL48	HD48	COB48
49	.0730	1	2	JL49	HD49	COB49
50	.0700	1	2	JL50	HD50	COB50
51	.0670	1	2	JL51	HD51	COB51
52	.0635	7/8	1-7/8	JL52	HD52	COB52
53	.0595	7/8	1-7/8	JL53	HD53	COB53
54	.0550	7/8	1-7/8	JL54	HD54	COB54
55	.0520	7/8	1-7/8	JL55	HD55	COB55
56	.0465	3/4	1-3/4	JL56	HD56	COB56
57	.0430	3/4	1-3/4	JL57	HD57	COB57
58	.0420	11/16	1-5/8	JL58	HD58	COB58
59	.0410	11/16	1-5/8	JL59	HD59	COB59
60	.0400	11/16	1-5/8	JL60	HD60	COB60

See Page 17-18 for Jobber Sets

Sold in Packages of 12  
 Sizes 61-80 available in Black Oxide  
 Sizes 1-80 available in Bright while Supplies Last

## Bridge Reamers

Morse Taper Shank



Sizes from 5/16" to 1-1/4"

Straight flute also available. Call for availability.

## Stepped Conical Cutters

Large Dia.	Shank Dia.	Size Range	Part #	NEC #
1/2"	1/4"	1/8" - 1/2" by 1/32"	CM.500	80500
3/4"	3/8"	1/4" - 3/4" by 1/16"	CM.750	80750
1-1/8"	3/8"	7/16" - 1-1/8" by 1/16"	CM1.125	801125
1-3/8"	1/2"	3/4" - 1-3/8" by 1/16"	CM1.375	801375

Non-Stepped Conical Cutters Also Available

## Construction Reamers

Straight Shank



Sizes from 3/8" to 1-1/4"

Call for availability.

## Taper Shank Drills



Sizes from 1/8" to 3-1/16"

Also available with carbide tip. Call for availability.

## Countersinks

Single Flute



Sizes from 3/16" to 2"

Available in Stock

## Combination Drill & Countersink



Drill Sizes from 1/32" to 5/16" with

Body Sizes from 1/8" to 3/4"

Available in Stock

## Center Reamers

3 Flute

Size	Shank Dia.	Shank Len	OAL	Part #
1/4	3/16	3/4	1-1/2	CR.250
3/8	1/4	7/8	1-3/4	CR.375
1/2	3/8	1	2	CR.500
5/8	3/8	1	2-1/4	CR.625
3/4	1/2	1-1/4	2-5/8	CR.750
1	1/2	1-1/4	2-3/4	CR1.00
1-1/4	3/4	1-1/4	3	CR1.25
1-1/2	3/4	1-1/4	3	CR1.50
2	3/4	1-1/4	3-1/4	CR2.00

Available in 60°, 82°, and 90°

## Chatterless Countersinks

6 Flute



Sizes from 1/4" to 2"

Available in Stock

## Reduced Shank Jobbers

Made in U.S.A. • 118° Point

### 3/8" Shank Jobber

Size	Dec.	PKG QTY	Part #
25/64"	.3906	6	Q3.390
13/32"	.4062	6	Q3.406
27/64"	.4219	6	Q3.421
7/16"	.4375	6	Q3.437
29/64"	.4531	6	Q3.453
15/32"	.4688	6	Q3.468
31/64"	.4844	6	Q3.484
1/2"	.5000	6	Q3.500
9/16"	.5625	1	Q3.562
5/8"	.6250	1	Q3.625
11/16"	.6875	1	Q3.687

### 1/4" Shank Jobber

Size	Dec.	Part #
17/64"	.2656	QU.265
9/32"	.2812	QU.281
19/64"	.2969	QU.296
5/16"	.3125	QU.312
21/64"	.3281	QU.328
11/32"	.3438	QU.343
23/64"	.3594	QU.359
3/8"	.3750	QU.375
25/64"	.3906	QU.390
13/32"	.4062	QU.406
27/64"	.4219	QU.421
7/16"	.4375	QU.437
29/64"	.4531	QU.453
15/32"	.4688	QU.468
31/64"	.4844	QU.484
1/2"	.5000	QU.500

See Page 17 for Reduced Shank Jobber Sets

# New Twist®

## WIRE SIZE SCREW MACHINE LENGTH DRILLS

Black Oxide Finish • 135° Split Point • NAS 907 Type C • High Speed Steel

MADE IN THE U.S.A.

### Fractional Sizes

Size	Dec.	Flute Len	OAL	PKG QTY	Part #	NEC#
3/64"	.0469	1/2	1-3/8	12	SM.046	46046
1/16"	.0625	5/8	1-5/8	12	SM.062	46062
5/64"	.0781	11/16	1-11/16	12	SM.078	46078
3/32"	.0938	3/4	1-3/4	12	SM.093	46093
7/64"	.1094	13/16	1-13/16	12	SM.109	46109
1/8"	.1250	7/8	1-7/8	12	SM.125	46125
9/64"	.1406	15/16	1-15/16	12	SM.140	46140
5/32"	.1562	1	2-1/16	12	SM.156	46156
11/64"	.1719	1-1/16	2-1/8	12	SM.171	46171
3/16"	.1875	1-1/8	2-3/16	12	SM.187	46187
13/64"	.2031	1-3/16	2-1/4	12	SM.203	46203
7/32"	.2188	1-1/4	2-3/8	12	SM.218	46218
15/64"	.2344	1-5/16	2-7/16	12	SM.234	46234
1/4"	.2500	1-3/8	2-1/2	12	SM.250	46250
17/64"	.2656	1-7/16	2-5/8	12	SM.265	46265
9/32"	.2812	1-1/2	2-11/16	12	SM.281	46281
19/64"	.2969	1-9/16	2-3/4	6	SM.296	46296
5/16"	.3125	1-5/8	2-13/16	6	SM.312	46312
21/64"	.3281	1-11/16	2-15/16	6	SM.328	46328
11/32"	.3438	1-11/16	3	6	SM.343	46343
23/64"	.3594	1-3/4	3-1/16	6	SM.359	46359
3/8"	.3750	1-13/16	3-1/8	6	SM.375	46375
25/64"	.3906	1-7/8	3-1/4	6	SM.390	46390
13/32"	.4062	1-15/16	3-5/16	6	SM.406	46466
27/64"	.4219	2	3-3/8	6	SM.421	46421
7/16"	.4375	2-1/16	3-7/16	6	SM.437	46437
29/64"	.4531	2-1/8	3-9/16	6	SM.453	46453
15/32"	.4688	2-1/8	3-5/8	6	SM.468	46468
31/64"	.4844	2-3/16	3-11/16	6	SM.484	46484
1/2"	.5000	2-1/4	3-3/4	6	SM.500	46500

### Wire Sizes

Size	Dec.	Flute Len	OAL	Part #	NEC#
1	.2280	1-5/16	2-7/16	SM01	4601
2	.2210	1-5/16	2-7/16	SM02	4602
3	.2130	1-1/4	2-3/8	SM03	4603
4	.2090	1-1/4	2-3/8	SM04	4604
5	.2055	1-1/4	2-3/8	SM05	4605
6	.2040	1-1/4	2-3/8	SM06	4606
7	.2010	1-3/16	2-1/4	SM07	4607
8	.1990	1-3/16	2-1/4	SM08	4608
9	.1960	1-3/16	2-1/4	SM09	4609
10	.1935	1-3/16	2-1/4	SM10	4610
11	.1910	1-3/16	2-1/4	SM11	4611
12	.1890	1-3/16	2-1/4	SM12	4612
13	.1850	1-1/8	2-3/16	SM13	4613
14	.1820	1-1/8	2-3/16	SM14	4614
15	.1800	1-1/8	2-3/16	SM15	4615
16	.1770	1-1/8	2-3/16	SM16	4616
17	.1730	1-1/8	2-3/16	SM17	4617
18	.1695	1-1/16	2-1/8	SM18	4618
19	.1660	1-1/16	2-1/8	SM19	4619
20	.1610	1-1/16	2-1/8	SM20	4620
21	.1590	1-1/16	2-1/8	SM21	4621
22	.1570	1-1/16	2-1/8	SM22	4622
23	.1540	1	2-1/16	SM23	4623
24	.1520	1	2-1/16	SM24	4624
25	.1495	1	2-1/16	SM25	4625
26	.1470	1	2-1/16	SM26	4626
27	.1440	1	2-1/16	SM27	4627
28	.1405	15/16	1-15/16	SM28	4628
29	.1360	15/16	1-15/16	SM29	4629
30	.1285	15/16	1-15/16	SM30	4630



Left Handed, Cobalt, Tin Coating, and Larger Sizes Available  
See Page 18 for Screw Machine Sets

Screw Machine Sizes 31 - 60 while supplies last  
Wire Sizes Sold in Packages of 12  
"A-Z" Sizes In Stock

## Center Punch



Part #: PU

Designed to keep drill from "Walking" • 3-1/2" Long

High Speed Steel!		Size	Dec.	Part #	NEC#	Size	Dec.	Part #	NEC#
<p><b>BODY PANEL DRILLS</b> Double Ended 135° Split Point</p>		#11	.1910	DE11	5511	9/64"	.1406	DE.140	55140
		#27	.1440	DE27	5527	5/32"	.1562	DE.156	55156
		#30	.1285	DE30	5530	3/16"	.1875	DE.187	55187
		7/64"	.1094	DE.109	55109	7/32"	.2187	DE.218	55218
		1/8"	.1250	DE.125	55125	1/4"	.2500	DE.250	55250

# HIGH SPEED - FOREIGN JOBBERS

*High Speed Steel!*

- Ground Flute
- High Speed Steel



Size	Dec.	Flute Len	OAL	PKG QTY	Part #	Part #	Part #	Part #	Part #
1/32"	.0313	1/2	1-3/8	12	AJ.031	AJ.031BR	AH.031	AC.031	
3/64"	.0469	3/4	1-3/4	12	AJ.046	AJ.046BR	AH.046	AC.046	
1/16"	.0625	7/8	1-7/8	12	AJ.062	AJ.062BR	AH.062	AC.062	ADC.062
5/64"	.0781	1	2	12	AJ.078	AJ.078BR	AH.078	AC.078	ADC.078
3/32"	.0938	1-1/4	2-1/4	12	AJ.093	AJ.093BR	AH.093	AC.093	ADC.093
7/64"	.1094	1-1/2	2-5/8	12	AJ.109	AJ.109BR	AH.109	AC.109	ADC.109
1/8"	.1250	1-5/8	2-3/4	12	AJ.125	AJ.125BR	AH.125	AC.125	ADC.125
9/64"	.1406	1-3/4	2-7/8	12	AJ.140	AJ.140BR	AH.140	AC.140	ADC.140
5/32"	.1562	2	3-1/8	12	AJ.156	AJ.156BR	AH.156	AC.156	ADC.156
11/64"	.1719	2-1/8	3-1/4	12	AJ.171	AJ.171BR	AH.171	AC.171	ADC.171
3/16"	.1875	2-5/16	3-1/2	12	AJ.187	AJ.187BR	AH.187	AC.187	ADC.187
13/64"	.2031	2-7/16	3-5/8	12	AJ.203	AJ.203BR	AH.203	AC.203	ADC.203
7/32"	.2188	2-1/2	3-3/4	12	AJ.218	AJ.218BR	AH.218	AC.218	ADC.218
15/64"	.2344	2-5/8	3-7/8	12	AJ.234	AJ.234BR	AH.234	AC.234	ADC.234
1/4"	.2500	2-3/4	4	12	AJ.250	AJ.250BR	AH.250	AC.250	ADC.250
17/64"	.2656	2-7/8	4-1/8	12	AJ.265	AJ.265BR	AH.265	AC.265	ADC.265
9/32"	.2812	2-15/16	4-1/4	12	AJ.281	AJ.281BR	AH.281	AC.281	ADC.281
19/64"	.2969	3-1/16	4-3/8	6	AJ.296	AJ.296BR	AH.296	AC.296	ADC.296
5/16"	.3125	3-3/16	4-1/2	6	AJ.312	AJ.312BR	AH.312	AC.312	ADC.312
21/64"	.3281	3-5/16	4-5/8	6	AJ.328	AJ.328BR	AH.328	AC.328	ADC.328
11/32"	.3438	3-7/16	4-3/4	6	AJ.343	AJ.343BR	AH.343	AC.343	ADC.343
23/64"	.3594	3-1/2	4-7/8	6	AJ.359	AJ.359BR	AH.359	AC.359	ADC.359
3/8"	.3750	3-5/8	5	6	AJ.375	AJ.375BR	AH.375	AC.375	ADC.375
25/64"	.3906	3-3/4	5-1/8	6	AJ.390	AJ.390BR	AH.390	AC.390	ADC.390
13/32"	.4062	3-7/8	5-1/4	6	AJ.406	AJ.406BR	AH.406	AC.406	ADC.406
27/64"	.4219	3-15/16	5-3/8	6	AJ.421	AJ.421BR	AH.421	AC.421	ADC.421
7/16"	.4375	4-1/16	5-1/2	6	AJ.437	AJ.437BR	AH.437	AC.437	ADC.437
29/64"	.4531	4-3/16	5-5/8	6	AJ.453	AJ.453BR	AH.453	AC.453	ADC.453
15/32"	.4688	4-5/16	5-3/4	6	AJ.468	AJ.468BR	AH.468	AC.468	ADC.468
31/64"	.4844	4-3/8	5-7/8	6	AJ.484	AJ.484BR	AH.484	AC.484	ADC.484
1/2"	.5000	4-1/2	6	6	AJ.500	AJ.500BR	AH.500	AC.500	ADC.500
33/64"	.5156	4-13/16	6-5/8	1	AJ.515				
17/32"	.5312	4-13/16	6-5/8	1	AJ.531				
35/64"	.5469	4-13/16	6-5/8	1	AJ.546				
9/16"	.5625	4-13/16	6-5/8	1	AJ.562				
37/64"	.5781	4-13/16	6-5/8	1	AJ.578				
19/32"	.5938	5-3/16	7-1/8	1	AJ.593				
5/8"	.6250	5-3/16	7-1/8	1	AJ.625				
41/64"	.6406	5-3/16	7-1/8	1	AJ.640				
21/32"	.6562	5-3/16	7-1/8	1	AJ.656				
43/64"	.6719	5-5/8	7-5/8	1	AJ.671				
11/16"	.6875	5-5/8	7-5/8	1	AJ.687				

See Page 17-18 for Jobber Sets

"A-Z" Sizes Available in Black Oxide, and Bright

*High Speed Steel!*

# New Twist®

## FOREIGN WIRE SIZE JOBBER LENGTH DRILLS

Black - NAS 907 Type A • Heavy Duty - NAS 907 Type B • Cobalt - NAS 907 Type J  
Sold in Packages of 12



Size	Dec.	Flute Len	OAL	Black	Heavy Duty	Cobalt
1	.2280	2-5/8	3-7/8	AJ01	AH01	AC01
2	.2210	2-5/8	3-7/8	AJ02	AH02	AC02
3	.2130	2-1/2	3-3/4	AJ03	AH03	AC03
4	.2090	2-1/2	3-3/4	AJ04	AH04	AC04
5	.2055	2-1/2	3-3/4	AJ05	AH05	AC05
6	.2040	2-1/2	3-3/4	AJ06	AH06	AC06
7	.2010	2-7/16	3-5/8	AJ07	AH07	AC07
8	.1990	2-7/16	3-5/8	AJ08	AH08	AC08
9	.1960	2-7/16	3-5/8	AJ09	AH09	AC09
10	.1935	2-7/16	3-5/8	AJ10	AH10	AC10
11	.1910	2-5/16	3-1/2	AJ11	AH11	AC11
12	.1890	2-5/16	3-1/2	AJ12	AH12	AC12
13	.1850	2-5/16	3-1/2	AJ13	AH13	AC13
14	.1820	2-3/16	3-3/8	AJ14	AH14	AC14
15	.1800	2-3/16	3-3/8	AJ15	AH15	AC15
16	.1770	2-3/16	3-3/8	AJ16	AH16	AC16
17	.1730	2-3/16	3-3/8	AJ17	AH17	AC17
18	.1695	2-1/8	3-1/4	AJ18	AH18	AC18
19	.1660	2-1/8	3-1/4	AJ19	AH19	AC19
20	.1610	2-1/8	3-1/4	AJ20	AH20	AC20
21	.1590	2-1/8	3-1/4	AJ21	AH21	AC21
22	.1570	2	3-1/8	AJ22	AH22	AC22
23	.1540	2	3-1/8	AJ23	AH23	AC23
24	.1520	2	3-1/8	AJ24	AH24	AC24
25	.1495	1-7/8	3	AJ25	AH25	AC25
26	.1470	1-7/8	3	AJ26	AH26	AC26
27	.1440	1-7/8	3	AJ27	AH27	AC27
28	.1405	1-3/4	2-7/8	AJ28	AH28	AC28
29	.1360	1-3/4	2-7/8	AJ29	AH29	AC29
30	.1285	1-5/8	2-3/4	AJ30	AH30	AC30

Size	Dec.	Flute Len	OAL	Black	Heavy Duty	Cobalt
31	.1200	1-5/8	2-3/4	AJ31	AH31	AC31
32	.1160	1-5/8	2-3/4	AJ32	AH32	AC32
33	.1130	1-1/2	2-5/8	AJ33	AH33	AC33
34	.1110	1-1/2	2-5/8	AJ34	AH34	AC34
35	.1100	1-1/2	2-5/8	AJ35	AH35	AC35
36	.1065	1-7/16	2-1/2	AJ36	AH36	AC36
37	.1040	1-7/16	2-1/2	AJ37	AH37	AC37
38	.1015	1-7/16	2-1/2	AJ38	AH38	AC38
39	.0995	1-3/8	2-3/8	AJ39	AH39	AC39
40	.0980	1-3/8	2-3/8	AJ40	AH40	AC40
41	.0960	1-3/8	2-3/8	AJ41	AH41	AC41
42	.0935	1-1/4	2-1/4	AJ42	AH42	AC42
43	.0890	1-1/4	2-1/4	AJ43	AH43	AC43
44	.0860	1-1/8	2-1/8	AJ44	AH44	AC44
45	.0820	1-1/8	2-1/8	AJ45	AH45	AC45
46	.0810	1-1/8	2-1/8	AJ46	AH46	AC46
47	.0785	1	2	AJ47	AH47	AC47
48	.0760	1	2	AJ48	AH48	AC48
49	.0730	1	2	AJ49	AH49	AC49
50	.0700	1	2	AJ50	AH50	AC50
51	.0670	1	2	AJ51	AH51	AC51
52	.0635	7/8	1-7/8	AJ52	AH52	AC52
53	.0595	7/8	1-7/8	AJ53	AH53	AC53
54	.0550	7/8	1-7/8	AJ54	AH54	AC54
55	.0520	7/8	1-7/8	AJ55	AH55	AC55
56	.0465	3/4	1-3/4	AJ56	AH56	AC56
57	.0430	3/4	1-3/4	AJ57	AH57	AC57
58	.0420	11/16	1-5/8	AJ58	AH58	AC58
59	.0410	11/16	1-5/8	AJ59	AH59	AC59
60	.0400	11/16	1-5/8	AJ60	AH60	AC60

See Page 17-18 for Jobber Sets

Sizes 61-80 available in Black Oxide  
Sizes 1-80 available in Bright while Supplies Last

# Silver & Deming - 1/2" Shank

6" Overall Length • 3" Drilling Depth

Size	Dec.	Standard	Cobalt	Meteorite	Size	Dec.	Standard	Cobalt	Meteorite
33/64"	.5156	SD.515	SDC.515	SDBG.515	1-1/64"	1.0156	SD1.015	SDC1.015	SDBG1.015
17/32"	.5312	SD.531	SDC.531	SDBG.531	1-1/32"	1.0312	SD1.031	SDC1.031	SDBG1.031
35/64"	.5469	SD.546	SDC.546	SDBG.546	1-3/64"	1.0469	SD1.046	SDC1.046	SDBG1.046
9/16"	.5625	SD.562	SDC.562	SDBG.562	1-1/16"	1.0625	SD1.062	SDC1.062	SDBG1.062
37/64"	.5781	SD.578	SDC.578	SDBG.578	1-5/64"	1.0781	SD1.078	SDC1.078	SDBG1.078
19/32"	.5938	SD.593	SDC.593	SDBG.593	1-3/32"	1.0938	SD1.093	SDC1.093	SDBG1.093
39/64"	.6094	SD.609	SDC.609	SDBG.609	1-7/64"	1.1094	SD1.109	SDC1.109	SDBG1.109
5/8"	.6250	SD.625	SDC.625	SDBG.625	1-1/8"	1.1250	SD1.125	SDC1.125	SDBG1.125
41/64"	.6406	SD.640	SDC.640	SDBG.640	1-9/64"	1.1406	SD1.140	SDC1.140	SDBG1.140
21/32"	.6562	SD.656	SDC.656	SDBG.656	1-5/32"	1.1562	SD1.156	SDC1.156	SDBG1.156
43/64"	.6719	SD.671	SDC.671	SDBG.671	1-11/64"	1.1719	SD1.171	SDC1.171	SDBG1.171
11/16"	.6875	SD.687	SDC.687	SDBG.687	1-3/16"	1.1875	SD1.187	SDC1.187	SDBG1.187
45/65"	.7031	SD.703	SDC.703	SDBG.703	1-13/64"	1.2031	SD1.203	SDC1.203	SDBG1.203
23/32"	.7188	SD.718	SDC.718	SDBG.718	1-7/32"	1.2188	SD1.218	SDC1.218	SDBG1.218
47/64"	.7344	SD.734	SDC.734	SDBG.734	1-15/64"	1.2344	SD1.234	SDC1.234	SDBG1.234
3/4"	.7500	SD.750	SDC.750	SDBG.750	1-1/4"	1.2500	SD1.250	SDC1.250	SDBG1.250
49/64"	.7656	SD.765	SDC.765	SDBG.765	1-17/64"	1.2656	SD1.265	SDC1.265	SDBG1.265
25/32"	.7812	SD.781	SDC.781	SDBG.781	1-9/32"	1.2812	SD1.281	SDC1.281	SDBG1.281
51/64"	.7969	SD.796	SDC.796	SDBG.796	1-19/64"	1.2969	SD1.296	SDC1.296	SDBG1.296
13/16"	.8125	SD.812	SDC.812	SDBG.812	1-5/16"	1.3125	SD1.312	SDC1.312	SDBG1.312
53/64"	.8281	SD.828	SDC.828	SDBG.828	1-21/64"	1.3281	SD1.328	SDC1.328	SDBG1.328
27/32"	.8438	SD.843	SDC.843	SDBG.843	1-11/32"	1.3438	SD1.343	SDC1.343	SDBG1.343
55/64"	.8594	SD.859	SDC.859	SDBG.859	1-23/64"	1.3594	SD1.359	SDC1.359	SDBG1.359
7/8"	.8750	SD.875	SDC.875	SDBG.875	1-3/8"	1.3750	SD1.375	SDC1.375	SDBG1.375
57/64"	.8906	SD.890	SDC.890	SDBG.890	1-25/64"	1.3906	SD1.390	SDC1.390	SDBG1.390
29/32"	.9062	SD.906	SDC.906	SDBG.906	1-13/32"	1.4062	SD1.406	SDC1.406	SDBG1.406
59/64"	.9219	SD.921	SDC.921	SDBG.921	1-27/64"	1.4216	SD1.421	SDC1.421	SDBG1.421
15/16"	.9375	SD.937	SDC.937	SDBG.937	1-7/16"	1.4375	SD1.437	SDC1.437	SDBG1.437
61/64"	.9531	SD.953	SDC.953	SDBG.953	1-29/64"	1.4531	SD1.453	SDC1.453	SDBG1.453
31/32"	.9688	SD.968	SDC.968	SDBG.968	1-15/32"	1.4688	SD1.468	SDC1.468	SDBG1.468
63/64"	.9844	SD.984	SDC.984	SDBG.984	1-31/64"	1.4844	SD1.484	SDC1.484	SDBG1.484
1"	1.0000	SD1.000	SDC1.000	SDBG1.000	1-1/2"	1.5000	SD1.500	SDC1.500	SDBG1.500

See Page 17 for Silver & Deming Sets



Standard

## Silver & Deming - 3/4" Shank

Size	Dec.	Part #	Size	Dec.	Part #
1-17/32"	1.531	SD1.531	1-25/32"	1.781	SD1.781
1-9/16"	1.562	SD1.562	1-13/16"	1.812	SD1.812
1-19/32"	1.593	SD1.593	1-27/32"	1.843	SD1.843
1-5/8"	1.625	SD1.625	1-7/8"	1.875	SD1.875
1-21/32"	1.656	SD1.656	1-29/32"	1.906	SD1.906
1-11/16"	1.687	SD1.687	1-15/16"	1.937	SD1.937
1-23/32"	1.718	SD1.718	1-31/32"	1.968	SD1.968
1-3/4"	1.750	SD1.750	2"	2.000	SD2.000



Cobalt



Meteorite

# Annular Cutters

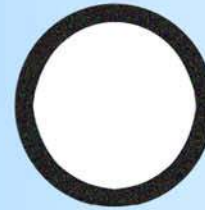
Superior Tool Quality • Made from Premium Cobalt Steel • Sizes from 1/2" x 1" to 2-9/16" x 2"

Size	Part #	Size	Part #
1/2" x 1"	AN.5001	1-9/16" x 1"	AN1.5621
1/2" x 2"	AN.5002	1-9/16" x 2"	AN1.5622
9/16" x 1"	AN.5621	1-5/8" x 1"	AN1.6251
9/16" x 2"	AN.5622	1-5/8" x 2"	AN1.6252
5/8" x 1"	AN.6251	1-11/16" x 1"	AN1.6871
5/8" x 2"	AN.6252	1-11/16" x 2"	AN1.6872
11/16" x 1"	AN.6871	1-3/4" x 1"	AN1.7501
11/16" x 2"	AN.6872	1-3/4" x 2"	AN1.7502
3/4" x 1"	AN.7501	1-13/16" x 1"	AN1.8121
3/4" x 2"	AN.7502	1-13/16" x 2"	AN1.8122
13/16" x 1"	AN.8121	1-7/8" x 1"	AN1.8751
13/16" x 2"	AN.8122	1-7/8" x 2"	AN1.8752
7/8" x 1"	AN.8751	1-15/16" x 1"	AN1.9371
7/8" x 2"	AN.8752	1-15/16" x 2"	AN1.9372
15/16" x 1"	AN.9371	2" x 1"	AN2.0001
15/16" x 2"	AN.9372	2" x 2"	AN2.0002
1" x 1"	AN1.0001	2-1/16" x 1"	AN2.0621
1" x 2"	AN1.0002	2-1/16" x 2"	AN2.0622
1-1/16" x 1"	AN1.0621	2-1/8" x 1"	AN2.1251
1-1/16" x 2"	AN1.0622	2-1/8" x 2"	AN2.1252
1-1/8" x 1"	AN1.1251	2-3/16" x 1"	AN2.1871
1-1/8" x 2"	AN1.1252	2-3/16" x 2"	AN2.1872
1-3/16" x 1"	AN1.1871	2-1/4" x 1"	AN2.2501
1-3/16" x 2"	AN1.1872	2-1/4" x 2"	AN2.2502
1-1/4" x 1"	AN1.2501	2-5/16" x 1"	AN2.3121
1-1/4" x 2"	AN1.2502	2-5/16" x 2"	AN2.3122
1-5/16" x 1"	AN1.3121	2-3/8" x 1"	AN2.3751
1-5/16" x 2"	AN1.3122	2-3/8" x 2"	AN2.3752
1-3/8" x 1"	AN1.3751	2-7/16" x 1"	AN2.4371
1-3/8" x 2"	AN1.3752	2-7/16" x 2"	AN2.4372
1-7/16" x 1"	AN1.4371	2-1/2" x 1"	AN2.5001
1-7/16" x 2"	AN1.4372	2-1/2" x 2"	AN2.5002
1-1/2" x 1"	AN1.5001	2-9/16" x 1"	AN2.5621
1-1/2" x 2"	AN1.5002	2-9/16" x 2"	AN2.5622

## Why use "Annular Cutters"?



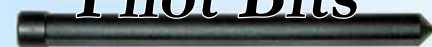
A twist drill requires that the metal from the entire area is removed.



With an Annular Cutter, only the circumference needs to be removed.



## Pilot Bits



Pilot	Part #
1" Pilot	ANPINSH
2" Pilot	ANPINLG





# Aircraft Extension Drills

Black Oxide Finish • 135° Split-Point • NAS 907 Type B • High Speed Steel

\*Marked Sizes Not Split-Point

Made in the U.S.A.

FRACTIONAL SIZES

WIRE SIZES

Size	Dec.	Flute Len	6" OAL	12" OAL
3/64*	.0469	3/4	A6.046	A12.046
1/16	.0625	7/8	A6.062	A12.062
5/64	.0781	1	A6.078	A12.078
3/32	.0938	1-1/4	A6.093	A12.093
7/64	.1094	1-1/2	A6.109	A12.109
1/8	.1250	1-5/8	A6.125	A12.125
9/64	.1406	1-3/4	A6.140	A12.140
5/32	.1562	2	A6.156	A12.156
11/64	.1719	2-1/8	A6.171	A12.171
3/16	.1875	2-5/16	A6.187	A12.187
13/64	.2031	2-7/16	A6.203	A12.203
7/32	.2188	2-1/2	A6.218	A12.218
15/64	.2344	2-5/8	A6.234	A12.234
1/4	.2500	2-3/4	A6.250	A12.250
17/64	.2656	2-7/8	A6.265	A12.265
9/32	.2812	2-15/16	A6.281	A12.281
19/64	.2969	3-1/16	A6.296	A12.296
5/16	.3125	3-3/16	A6.312	A12.312
21/64	.3281	3-5/16	A6.328	A12.328
11/32	.3438	3-7/16	A6.343	A12.343
23/64	.3594	3-1/2	A6.359	A12.359
3/8	.3750	3-5/8	A6.375	A12.375
25/64	.3906	3-3/4	A6.390	A12.390
13/32	.4062	3-7/8	A6.406	A12.406
27/64	.4219	3-15/16	A6.421	A12.421
7/16	.4375	4-1/16	A6.437	A12.437
29/64	.4531	4-3/16	A6.453	A12.453
15/32	.4688	4-5/16	A6.468	A12.468
31/64	.4844	4-3/8	A6.484	A12.484
1/2	.5000	4-1/2	A6.500	A12.500

Size	Dec.	Flute Len	6" OAL	12" OAL	Size	Dec.	Flute Len	6" OAL	12" OAL
1	.2280	2-5/8	A6#01	A12#01	31	.1200	1-5/8	A6#31	A12#31
2	.2210	2-5/8	A6#02	A12#02	32	.1160	1-5/8	A6#32	A12#32
3	.2130	2-1/2	A6#03	A12#03	33	.1130	1-1/2	A6#33	A12#33
4	.2090	2-1/2	A6#04	A12#04	34	.1110	1-1/2	A6#34	A12#34
5	.2055	2-1/2	A6#05	A12#05	35	.1100	1-1/2	A6#35	A12#35
6	.2040	2-1/2	A6#06	A12#06	36	.1065	1-7/16	A6#36	A12#36
7	.2010	2-7/16	A6#07	A12#07	37	.1040	1-7/16	A6#37	A12#37
8	.1990	2-7/16	A6#08	A12#08	38	.1015	1-7/16	A6#38	A12#38
9	.1960	2-7/16	A6#09	A12#09	39	.0995	1-3/8	A6#39	A12#39
10	.1935	2-7/16	A6#10	A12#10	40	.0980	1-3/8	A6#40	A12#40
11	.1910	2-5/16	A6#11	A12#11	41	.0960	1-3/8	A6#41	A12#41
12	.1890	2-5/16	A6#12	A12#12	42	.0935	1-1/4	A6#42	A12#42
13	.1850	2-5/16	A6#13	A12#13	43	.0890	1-1/4	A6#43	A12#43
14	.1820	2-3/16	A6#14	A12#14	44	.0860	1-1/8	A6#44	A12#44
15	.1800	2-3/16	A6#15	A12#15	45	.0820	1-1/8	A6#45	A12#45
16	.1770	2-3/16	A6#16	A12#16	46	.0810	1-1/8	A6#46	A12#46
17	.1730	2-3/16	A6#17	A12#17	47	.0785	1	A6#47	A12#47
18	.1695	2-1/8	A6#18	A12#18	48	.0760	1	A6#48	A12#48
19	.1660	2-1/8	A6#19	A12#19	49	.0730	1	A6#49	A12#49
20	.1610	2-1/8	A6#20	A12#20	50	.0700	1	A6#50	A12#50
21	.1590	2-1/8	A6#21	A12#21	51	.0670	1	A6#51	A12#51
22	.1570	2	A6#22	A12#22	52	.0635	7/8	A6#52	A12#52
23	.1540	2	A6#23	A12#23	53*	.0595	7/8	A6#53	A12#53
24	.1520	2	A6#24	A12#24	54*	.0550	7/8	A6#54	A12#54
25	.1495	1-7/8	A6#25	A12#25	55*	.0520	7/8	A6#55	A12#55
26	.1470	1-7/8	A6#26	A12#26	56*	.0465	3/4	A6#56	A12#56
27	.1440	1-7/8	A6#27	A12#27	57*	.0430	3/4	A6#57	A12#57
28	.1405	1-3/4	A6#28	A12#28	58*	.0420	11/16	A6#58	A12#58
29	.1360	1-3/4	A6#29	A12#29	59*	.0410	11/16	A6#59	A12#59
30	.1285	1-5/8	A6#30	A12#30	60*	.0400	11/16	A6#60	A12#60

Additional decimal sizes and "A - Z" sizes available upon request.



## Extra Length Aircraft Extension Drills

Size	Dec.	Flute Len	18" OAL	24" OAL	36" OAL	48" OAL	60" OAL	72" OAL
#1	.2280	2-5/8	-	A24#01	-	-	-	-
#2	.2210	2-5/8	-	A24#02	-	-	-	-
3/16"	.1875	2-5/16	A18.187	A24.187	-	-	-	-
1/4"	.2500	2-3/4	A18.250	A24.250	A36.250	A48.250	A60.250	A72.250
5/16"	.3125	3-3/16	A18.312	A24.312	-	A48.312	-	-
3/8"	.3750	3-5/8	A18.375	A24.375	A36.375	A48.375	A60.375	A72.375
7/16"	.4375	4-1/16	A18.437	A24.437	-	-	-	-
1/2"	.5000	4-1/2	A18.500	A24.500	A36.500	A48.500	A60.500	A72.500

Above sizes are stocked. Additional Sizes and lengths available upon request.

Phone: 800.639.2272 Fax: 800.548.0517 Web: www.TruCUTMFG.com

# LongBoys 118° Tip • High Speed Steel

## 12" Overall Length

Size	Dec.	Part #	NEC#	Size	Dec.	Part #	NEC#
1/8"	.1250	L12.125	58125	7/16"	.4375	L12.437	58437
9/64"	.1406	L12.140	58140	29/64"	.4531	L12.453	58453
5/32"	.1562	L12.156	58156	15/32"	.4688	L12.468	58468
11/64"	.1719	L12.171	58171	31/64"	.4844	L12.484	58484
3/16"	.1875	L12.187	58187	1/2"	.5000	L12.500	58500
13/64"	.2031	L12.203	58203	33/64"	.5156	L12.515	58515
7/32"	.2188	L12.218	58218	17/32"	.5312	L12.531	58531
15/64"	.2344	L12.234	58234	35/64"	.5469	L12.546	58546
1/4"	.2500	L12.250	58250	9/16"	.5625	L12.562	58562
17/64"	.2656	L12.265	58265	37/64"	.5781	L12.578	58578
9/32"	.2812	L12.281	58281	19/32"	.5938	L12.593	58593
19/64"	.2969	L12.296	58296	39/64"	.6094	L12.609	58609
5/16"	.3125	L12.312	58312	5/8"	.6250	L12.625	58625
21/64"	.3281	L12.328	58328	41/64"	.6406	L12.640	58640
11/32"	.3438	L12.343	58343	21/32"	.6562	L12.656	58656
23/64"	.3594	L12.359	58359	43/64"	.6719	L12.671	58671
3/8"	.3750	L12.375	58375	11/16"	.6875	L12.687	58687
25/64"	.3906	L12.390	58390	23/32"	.7188	L12.718	58718
13/32"	.4062	L12.406	58406	3/4"	.7500	L12.750	58750
27/64"	.4219	L12.421	58421	13/16"	.8125	L12.812	58812

*High Speed Steel!*

## 18" Overall Length

Size	Dec.	Part #	NEC#
3/16"	.1875	L18.187	59187
7/32"	.2188	L18.218	59218
1/4"	.2500	L18.250	59250
9/32"	.2812	L18.281	59281
5/16"	.3125	L18.312	59312
11/32"	.3438	L18.343	59343
3/8"	.3750	L18.375	59375
13/32"	.4062	L18.406	59406
7/16"	.4375	L18.437	59437
15/32"	.4688	L18.468	59468
1/2"	.5000	L18.500	59500
17/32"	.5312	L18.531	59531
9/16"	.5625	L18.562	59562
19/32"	.5938	L18.593	59593
5/8"	.6250	L18.625	59625
21/32"	.6562	L18.656	59656
11/16"	.6875	L18.687	59687
23/32"	.7188	L18.718	59718
3/4"	.7500	L18.750	59750
25/32"	.7812	L18.781	59781
13/16"	.8125	L18.812	59812
7/8"	.8750	L18.875	59875
15/16"	.9375	L18.937	59937
1"	1.000	L181.00	59100

*High Speed Steel!*



## 1/2" Shank, 3 Flat - LongBoys

~12" O.A.L.

1-1/4" Long Shank • 118° Tip • High Speed Steel

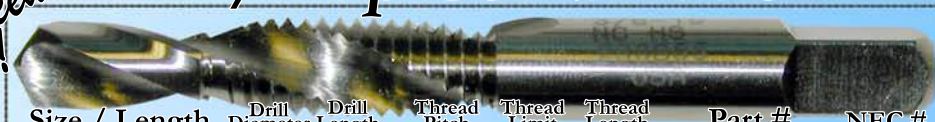
Size	Dec.	Flute Len	O.A.L.	Part #	NEC#	Size	Dec.	Flute Len	O.A.L.	Part #	NEC#
17/32"	.5312	9"	12"	LF12.531	58531F	13/16"	.8125	6-1/8"	10-1/4"	LF12.812	58812F
9/16"	.5625	9"	12"	LF12.562	58562F	7/8"	.8750	6-1/8"	10-1/4"	LF12.875	58875F
19/32"	.5938	9"	12"	LF12.593	58593F	15/16"	.9375	6-1/8"	10-1/4"	LF12.937	58937F
5/8"	.6250	9"	12"	LF12.625	58625F	1"	1.000	6-3/8"	11"	LF121.000	58100F
21/32"	.6562	9"	12"	LF12.656	58656F	1-1/16"	1.062	6-5/8"	11-1/4"	LF121.062	58106F
11/16"	.6875	9"	12"	LF12.687	58687F	1-1/8"	1.125	7-1/8"	11-3/4"	LF121.125	58112F
3/4"	.7500	9"	12"	LF12.750	58750F	1-1/4"	1.250	7-7/8"	12-1/2"	LF121.250	58125F

18" O.A.L.

Size	Dec.	Flute Len	OAL	Part #	NEC#	Size	Dec.	Flute Len	OAL	Part #	NEC#
9/16"	.5625	14"	18"	LF18.562	59562F	13/16"	.8125	14"	18"	LF18.812	59812F
5/8"	.6250	14"	18"	LF18.625	59625F	7/8"	.8750	14"	18"	LF18.875	59875F
11/16"	.6875	14"	18"	LF18.687	59687F	15/16"	.9375	14"	18"	LF18.937	59937F
3/4"	.7500	14"	18"	LF18.750	59750F	1"	1.000	14"	18"	LF181.000	59100F

Additional Sizes, and Super Titanium Nitride Available Upon Request for All Items Listed

# High Speed Steel! Drill / Tap Combination



Size / Length	Drill Diameter	Drill Length	Thread Pitch	Thread Limit	Thread Length	Part #	NEC #
#6 x 2"	.112	1/4	32 NC	GH3	13/32	TD6X32	84632
#8 x 2-1/8"	.138	9/32	32 NC	GH3	15/32	TD8X32	84832
#10 x 2-3/8"	.155	9/32	24 NC	GH3	9/16	TD10X24	841024
#10 x 2-3/8"	.164	9/32	32 NF	GH3	1/2	TD10X32	841032
1/4" x 2-1/2"	.208	7/16	20 NC	GH3	23/32	TD.250X20	8425020
1/4" x 2-1/2"	.220	7/16	28 NF	GH3	21/32	TD.250X28	8425028
5/16" x 2-23/32"	.266	9/16	18 NC	GH3	27/32	TD.312X18	8431218
5/16" x 2-23/32"	.277	9/16	24 NF	GH3	13/16	TD.312X24	8431224
3/8" x 2-15/16"	.322	21/32	16 NC	GH3	1	TD.375X16	8437516
3/8" x 2-15/16"	.340	21/32	24 NF	GH3	15/16	TD.375X24	8437524

High Speed Steel!

## 6" OAL Pulley Taps

Size	Thread Limit	# Flutes	Part #
6 x 32 NC	H3	3	TPPP6X32
8 x 32 NC	H3	4	TPPP8X32
10 x 24 NC	H3	4	TPPP10X24
1/4 x 20 NC	H3	4	TPPP.250X20
1/4 x 28 NF	H3	4	TPPP.250X28
5/16 x 18 NC	H3	4	TPPP.312X18
5/16 x 24 NF	H3	4	TPPP.312X24
3/8 x 16 NC	H3	4	TPPP.375X16
3/8 x 24 NF	H3	4	TPPP.375X24
7/16 x 14 NC	H3	4	TPPP.437X14
7/16 x 20 NF	H3	4	TPPP.437X20
1/2 x 13 NC	H3	4	TPPP.500X13
1/2 x 20 NF	H3	4	TPPP.500X20
5/8 x 11 NC	H3	4	TPPP.625X11
5/8 x 18 NF	H3	4	TPPP.625X18

8" and 10" Overall Length also Available



## Screw Extractors

Size	Remove Screws From	Part #	NEC#
#1	3/32" - 5/32"	SX01	8301
#2	5/32" - 7/32"	SX02	8302
#3	7/32" - 9/32"	SX03	8303
#4	9/32" - 3/8"	SX04	8304
#5	3/8" - 5/8", 1/4"P	SX05	8305
#6	5/8" - 7/8", 1/4"P	SX06	8306
#7	7/8" - 1-1/8", 1/2"P	SX07	8307
#8	1-1/8"-1-3/8", 3/4"P	SX08	8308
#9	1-3/8" & up, 1"P	SX09	8309
#1-5	Set	SXS1-5	8315
#1-6	Set	SXS1-6	8316

Straight flute available



17 Solid Hex Dies and 17 Plug Taps  
(4X40 to 1/2"X20)

- 1 - Long Handle Adjustable Tap Wrench,
- 2 - "T" Handle Tap and Die wrench
- 1 - Die Handle One Screwdriver
- 1 - Pitch Gauge



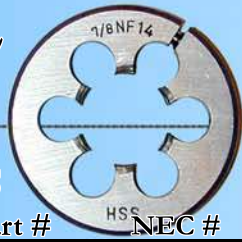
10 Solid Hex Dies and 10 Plug Taps  
(1/4X20 to 1/2X20)

- 1 - 1/8X27 NPT Pipe Tap, and Hexagon Die.
- 1 - Tap Wrench
- 1 - Die wrench

Individual Taps, Dies, and Wrenches on pages 32 - 35

*High Speed Steel!*

**Adjustable Round Dies**



Size	Outside Diameter	Part #	NEC #
1/4 X 20 NC	1"	DR.250X20	65R25020
1/4 X 28 NF	1"	DR.250X28	65R25028
5/16 X 18 NC	1"	DR.312X18	65R31218
5/16 X 24 NF	1"	DR.312X24	65R31224
3/8 X 16 NC	1"	DR.375X16	65R37516
3/8 X 24 NF	1"	DR.375X24	65R37524
7/16 x 14 NC	1"	DR.437X14	65R43714
7/16 X 20 NF	1"	DR.437X20	65R43720
1/2 X 13 NC	1"	DR.500X13	65R50013
1/2 X 20 NF	1"	DR.500X20	65R50020
9/16 X 12 NC	1-1/2"	DR.562X12	65R56212
9/16 X 18 NF	1-1/2"	DR.562X18	65R56218
5/8 X 11 NC	1-1/2"	DR.625X11	65R62511
5/8 X 16 NF	1-1/2"	DR.625X18	65R62518
3/4 X 10 NC	1-1/2"	DR.750X10	65R75010
3/4 X 16 NF	1-1/2"	DR.750X16	65R75016
7/8 X 9 NC	2"	DR.875X9	65R87509
7/8 X 14 NF	2"	DR.875X14	65R87514
1 X 8 NC	2"	DR1.000X8	65R100008
1 X 12 NF	2"	DR1.000X12	65R100012
1 X 14 NS	2"	DR1.000X14	65R100014
6 X 32 NC	1"	DR6X32	65R632
6 X 40 NF	1"	DR6X40	65R640
8 X 32 NC	1"	DR8X32	65R832
8 X 36 NF	1"	DR8X36	65R836
10 X 24 NC	1"	DR10X24	65R1024
10 X 32 NF	1"	DR10X32	65R1032
12 X 24 NC	1"	DR12X24	65R1224
12 X 28 NF	1"	DR12X28	65R1228

Round Dies also available in Carbon Steel  
See Page 31 for Tap & Die Sets

**Hex Dies**



Size	Outside Diameter	Part #	NEC #
1/4 X 20 NC	1"	DH.250X20	67H25020
1/4 X 28 NF	1"	DH.250X28	67H25028
5/16 X 18 NC	1"	DH.312X18	67H31218
5/16 X 24 NF	1"	DH.312X24	67H31224
3/8 X 16 NC	1"	DH.375X16	67H37516
3/8 X 24 NF	1"	DH.375X24	67H37524
7/16 x 14 NC	1"	DH.437X14	67H43714
7/16 X 20 NF	1"	DH.437X20	67H43720
1/2 X 13 NC	1"	DH.500X13	67H50013
1/2 X 20 NF	1"	DH.500X20	67H50020
9/16 X 12 NC	1-7/16"	DH.562X12	67H56212
9/16 X 18 NF	1-7/16"	DH.562X18	67H56218
5/8 X 11 NC	1-7/16"	DH.625X11	67H62511
5/8 X 18 NF	1-7/16"	DH.625X18	67H62518
3/4 X 10 NC	1-7/16"	DH.750X10	67H75010
3/4 X 16 NF	1-7/16"	DH.750X16	67H75016
7/8 X 9 NC	1-7/8"	DH.875X9	67H87509
7/8 X 14 NF	1-7/8"	DH.875X14	67H87514
1 X 8 NC	1-7/8"	DH1.0X8	67H100008
1 X 12 NF	1-7/8"	DH1.0X12	67H100012
1 X 14 NS	1-7/8"	DH1.0X14	67H100014
4 X 40 NF	1"	DH4X40	67H440
6 X 32 NC	1"	DH6X32	67H632
8 X 32 NC	1"	DH8X32	67H832
8 X 36 NF	1"	DH8X36	67H836
10 X 24 NC	1"	DH10X24	67H1024
10 X 32 NF	1"	DH10X32	67H1032
12 X 24 NC	1"	DH12X24	67H1224
14 X 20 NC	1"	DH14X20	67H1420

Metric Tap & Dies available in Carbon and High Speed Steel

**Tap Handles**



Size	Size Range	Part #	NEC #
#4	1/16" - 1/4"	TWH4	824
#5	5/32" - 1/2"	TWH5	825
#6	5/32" - 3/4"	TWH6	826
#7	1/4" - 1-1/8"	TWH7	827
#8	3/4" - 1-5/8"	TWH8	828
#9	1" - 2-1/2"	TWH9	829

**Hex Die Handles**

Size	Part #	NEC #
1"	DWH1.0	831H
1-7/16"	DWH1.437	831437H



**Tap Wrenches**

Size	Size Range	Part #	NEC #
#1	#4 - 1/4"	TW#1	821
#3	#12 - 1/2"	TW#3	823

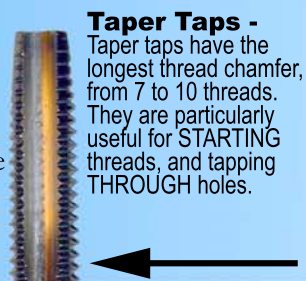
**Round Die Handles**

Size	Part #	NEC #
1"	DWR1.0	831R
1-1/2"	DWR1.5	8315R
2"	DWR2.0	832R
2-1/2"	DWR2.5	8325R

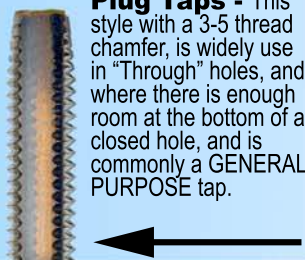
<b>HIGH SPEED STEEL</b>											
Size	# Flutes	Pitch Limit	Taper		Plug		Bottoming		Sets		
			Part #	NEC #	Part #	NEC #	Part #	NEC #	Part #	NEC #	
1/4 x 20 NC	4	H3	TPHT.250X20	64T25020	TPHP.250X20	64P25020	TPHB.250X20	64B25020	TPHS.250X20	64S25020	
1/4 x 28 NF	4	H3	TPHT.250X28	64T25028	TPHP.250X28	64P25028	TPHB.250X28	64B25028	TPHS.250X28	64S25028	
5/16 x 18 NC	4	H3	TPHT.312X18	64T31218	TPHP.312X18	64P31218	TPHB.312X18	64B31218	TPHS.312X18	64S31218	
5/16 x 24 NF	4	H3	TPHT.312X24	64T31224	TPHP.312X24	64P31224	TPHB.312X24	64B31224	TPHS.312X24	64S31224	
3/8 x 16 NC	4	H3	TPHT.375X16	64T37516	TPHP.375X16	64P37516	TPHB.375X16	64B37516	TPHS.375X16	64S37516	
3/8 x 24 NF	4	H3	TPHT.375X24	64T37524	TPHP.375X24	64P37524	TPHB.375X24	64B37524	TPHS.375X24	64S37524	
7/16 x 14 NC	4	H3	TPHT.437X14	64T43714	TPHP.437X14	64P43714	TPHB.437X14	64B43714	TPHS.437X14	64S43714	
7/16 x 20 NF	4	H3	TPHT.437X20	64T43720	TPHP.437X20	64P43720	TPHB.437X20	64B43720	TPHS.437X20	64S43720	
1/2 x 13 NC	4	H3	TPHT.500X13	64T50013	TPHP.500X13	64P50013	TPHB.500X13	64B50013	TPHS.500X13	64S50013	
1/2 x 20 NF	4	H3	TPHT.500X20	64T50020	TPHP.500X20	64P50020	TPHB.500X20	64B50020	TPHS.500X20	64S50020	
9/16 x 12 NC	4	H3	TPHT.562X12	64T56212	TPHP.562X12	64P56212	TPHB.562X12	64B56212	TPHS.562X12	64S56212	
9/16 x 18 NF	4	H3	TPHT.562X18	64T56218	TPHP.562X18	64P56218	TPHB.562X18	64B56218	TPHS.562X18	64S56218	
5/8 x 11 NC	4	H3	TPHT.625X11	64T62511	TPHP.625X11	64P62511	TPHB.625X11	64B62511	TPHS.625X11	64S62511	
5/8 x 18 NF	4	H3	TPHT.625X18	64T62518	TPHP.625X18	64P62518	TPHB.625X18	64B62518	TPHS.625X18	64S62518	
3/4 x 10 NC	4	H3	TPHT.750X10	64T75010	TPHP.750X10	64P75010	TPHB.750X10	64B75010	TPHS.750X10	64S75010	
3/4 x 16 NF	4	H3	TPHT.750X16	64T75016	TPHP.750X16	64P75016	TPHB.750X16	64B75016	TPHS.750X16	64S75016	
7/8 x 9 NC	4	H4	TPHT.875X9	64T87509	TPHP.875X9	64P87509	TPHB.875X9	64B87509	TPHS.875X9	64S87509	
7/8 x 14 NF	4	H4	TPHT.875X14	64T87514	TPHP.875X14	64P87514	TPHB.875X14	64B87514	TPHS.875X14	64S87514	
1 x 8 NC	4	H4	TPHT1.000X8	64T100008	TPHP1.000X8	64P100008	TPHB1.000X8	64B100008	TPHS1.000X8	64S100008	
1 x 12 NF	4	H4	TPHT1.000X12	64T100012	TPHP1.000X12	64P100012	TPHB1.000X12	64B100012	TPHS1.000X12	64S100012	
1 x 14 NS	4	H4	TPHT1.000X14	64T100014	TPHP1.000X14	64P100014	TPHB1.000X14	64B100014	TPHS1.000X14	64S100014	
1-1/8 x 7 NC	4	H4	TPHT1.125X7	64T112507	TPHP1.125X7	64P112507	TPHB1.125X7	64B112507	TPHS1.125X7	64S112507	
1-1/8 x 12 NF	6	H4	TPHT1.125X12	64T112512	TPHP1.125X12	64P112512	TPHB1.125X12	64B112512	TPHS1.125X12	64S112512	
1-1/4 x 7 NC	4	H4	TPHT1.250X7	64T125007	TPHP1.250X7	64P125007	TPHB1.250X7	64B125007	TPHS1.250X7	64S125007	
1-1/4 x 12 NF	6	H4	TPHT1.250X12	64T125012	TPHP1.250X12	64P125012	TPHB1.250X12	64B125012	TPHS1.250X12	64S125012	
1-3/8 x 6 NC	4	H4	TPHT1.375X6	64T137506	TPHP1.375X6	64P137506	TPHB1.375X6	64B137506	TPHS1.375X6	64S137506	
1-3/8 x 12 NF	6	H4	TPHT1.375X12	64T137512	TPHP1.375X12	64P137512	TPHB1.375X12	64B137512	TPHS1.375X12	64S137512	
1-1/2 x 6 NC	4	H4	TPHT1.500X6	64T150006	TPHP1.500X6	64P150006	TPHB1.500X6	64B150006	TPHS1.500X6	64S150006	
1-1/2 x 12 NF	6	H4	TPHT1.500X12	64T150012	TPHP1.500X12	64P150012	TPHB1.500X12	64B150012	TPHS1.500X12	64S150012	

<b>CARBON STEEL</b>											
Size	# Flutes	Pitch Limit	Taper		Plug		Bottoming		Sets		
			Part #	NEC #	Part #	NEC #	Part #	NEC #	Part #	NEC #	
1/4 x 20 NC	4	H3	TPCT.250X20	66T25020	TPCP.250X20	66P25020	TPCB.250X20	66B25020	TPCS.250X20	66S25020	
1/4 x 28 NF	4	H3	TPCT.250X28	66T25028	TPCP.250X28	66P25028	TPCB.250X28	66B25028	TPCS.250X28	66S25028	
5/16 x 18 NC	4	H3	TPCT.312X18	66T31218	TPCP.312X18	66P31218	TPCB.312X18	66B31218	TPCS.312X18	66S31218	
5/16 x 24 NF	4	H3	TPCT.312X24	66T31224	TPCP.312X24	66P31224	TPCB.312X24	66B31224	TPCS.312X24	66S31224	
3/8 x 16 NC	4	H3	TPCT.375X16	66T37516	TPCP.375X16	66P37516	TPCB.375X16	66B37516	TPCS.375X16	66S37516	
3/8 x 24 NF	4	H3	TPCT.375X24	66T37524	TPCP.375X24	66P37524	TPCB.375X24	66B37524	TPCS.375X24	66S37524	
7/16 x 14 NC	4	H3	TPCT.437X14	66T43714	TPCP.437X14	66P43714	TPCB.437X14	66B43714	TPCS.437X14	66S43714	
7/16 x 20 NF	4	H3	TPCT.437X20	66T43720	TPCP.437X20	66P43720	TPCB.437X20	66B43720	TPCS.437X20	66S43720	
1/2 x 13 NC	4	H3	TPCT.500X13	66T50013	TPCP.500X13	66P50013	TPCB.500X13	66B50013	TPCS.500X13	66S50013	
1/2 x 20 NF	4	H3	TPCT.500X20	66T50020	TPCP.500X20	66P50020	TPCB.500X20	66B50020	TPCS.500X20	66S50020	
9/16 x 12 NC	4	H3	TPCT.562X12	66T56212	TPCP.562X12	66P56212	TPCB.562X12	66B56212	TPCS.562X12	66S56212	
9/16 x 18 NF	4	H3	TPCT.562X18	66T56218	TPCP.562X18	66P56218	TPCB.562X18	66B56218	TPCS.562X18	66S56218	
5/8 x 11 NC	4	H3	TPCT.625X11	66T62511	TPCP.625X11	66P62511	TPCB.625X11	66B62511	TPCS.625X11	66S62511	
5/8 x 18 NF	4	H3	TPCT.625X18	66T62518	TPCP.625X18	66P62518	TPCB.625X18	66B62518	TPCS.625X18	66S62518	
3/4 x 10 NC	4	H3	TPCT.750X10	66T75010	TPCP.750X10	66P75010	TPCB.750X10	66B75010	TPCS.750X10	66S75010	
3/4 x 16 NF	4	H3	TPCT.750X16	66T75016	TPCP.750X16	66P75016	TPCB.750X16	66B75016	TPCS.750X16	66S75016	
7/8 x 9 NC	4	H4	TPCT.875X9	66T87509	TPCP.875X9	66P87509	TPCB.875X9	66B87509	TPCS.875X9	66S87509	
7/8 x 14 NF	4	H4	TPCT.875X14	66T87514	TPCP.875X14	66P87514	TPCB.875X14	66B87514	TPCS.875X14	66S87514	
1 x 8 NC	4	H4	TPCT1.000X8	66T100008	TPCP1.000X8	66P100008	TPCB1.000X8	66B100008	TPCS1.000X8	66S100008	
1 x 12 NF	4	H4	TPCT1.000X12	66T100012	TPCP1.000X12	66P100012	TPCB1.000X12	66B100012	TPCS1.000X12	66S100012	
1 x 14 NS	4	H4	TPCT1.000X14	66T100014	TPCP1.000X14	66P100014	TPCB1.000X14	66B100014	TPCS1.000X14	66S100014	
1-1/8 x 7 NC	4	H4	TPCT1.125X7	66T112507	TPCP1.125X7	66P112507	TPCB1.125X7	66B112507	TPCS1.125X7	66S112507	
1-1/8 x 12 NF	6	H4	TPCT1.125X12	66T112512	TPCP1.125X12	66P112512	TPCB1.125X12	66B112512	TPCS1.125X12	66S112512	
1-1/4 x 7 NC	4	H4	TPCT1.250X7	66T125007	TPCP1.250X7	66P125007	TPCB1.250X7	66B125007	TPCS1.250X7	66S125007	
1-1/4 x 12 NF	6	H4	TPCT1.250X12	66T125012	TPCP1.250X12	66P125012	TPCB1.250X12	66B125012	TPCS1.250X12	66S125012	
1-3/8 x 6 NC	4	H4	TPCT1.375X6	66T137506	TPCP1.375X6	66P137506	TPCB1.375X6	66B137506	TPCS1.375X6	66S137506	
1-3/8 x 12 NF	6	H4	TPCT1.375X12	66T137512	TPCP1.375X12	66P137512	TPCB1.375X12	66B137512	TPCS1.375X12	66S137512	
1-1/2 x 6 NC	4	H4	TPCT1.500X6	66T150006	TPCP1.500X6	66P150006	TPCB1.500X6	66B150006	TPCS1.500X6	66S150006	
1-1/2 x 12 NF	6	H4	TPCT1.500X12	66T150012	TPCP1.500X12	66P150012	TPCB1.500X12	66B150012	TPCS1.500X12	66S150012	

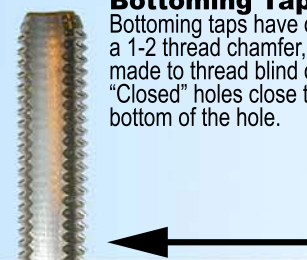
- Ground Threads
- Tin Coating Available
- Left Handed Threads Available
- Cobalt Available



**Taper Taps -**  
Taper taps have the longest thread chamfer, from 7 to 10 threads. They are particularly useful for STARTING threads, and tapping THROUGH holes.



**Plug Taps -** This style with a 3-5 thread chamfer, is widely use in "Through" holes, and where there is enough room at the bottom of a closed hole, and is commonly a GENERAL PURPOSE tap.



**Bottoming Taps -** Bottoming taps have only a 1-2 thread chamfer, is made to thread blind or "Closed" holes close to the bottom of the hole.


See Page 31 for Tap & Die Sets

HIGH SPEED STEEL										
Size	# Flutes	Thread Pitch	Taper		Plug		Bottoming		Sets	
			Part #	NEC #	Part #	NEC #	Part #	NEC #	Part #	NEC #
0 x 80 NF	2	H2	TPHT0X80	64T080	TPHP0X80	64P080	TPHB0X80	64B080	TPHS0X80	64S080
1 x 64 NC	2	H2	TPHT1X64	64T164	TPHP1X64	64P164	TPHB1X64	64B164	TPHS1X64	64S164
1 x 72 NF	2	H2	TPHT1X72	64T172	TPHP1X72	64P172	TPHB1X72	64B172	TPHS1X72	64S172
2 x 56 NC	3	H2	TPHT2X56	64T256	TPHP2X56	64P256	TPHB2X56	64B256	TPHS2X56	64S256
2 x 64 NF	3	H2	TPHT2X64	64T264	TPHP2X64	64P264	TPHB2X64	64B264	TPHS2X64	64S264
3 x 48 NC	3	H2	TPHT3X48	64T348	TPHP3X48	64P348	TPHB3X48	64B348	TPHS3X48	64S348
3 x 56 NF	3	H2	TPHT3X56	64T356	TPHP3X56	64P356	TPHB3X56	64B356	TPHS3X56	64S356
4 x 40 NC	3	H2	TPHT4X40	64T440	TPHP4X40	64P440	TPHB4X40	64B440	TPHS4X40	64S440
4 x 48 NF	3	H2	TPHT4X48	64T448	TPHP4X48	64P448	TPHB4X48	64B448	TPHS4X48	64S448
5 x 40 NC	3	H2	TPHT5X40	64T540	TPHP5X40	64P540	TPHB5X40	64B540	TPHS5X40	64S540
5 x 44 NF	3	H2	TPHT5X44	64T544	TPHP5X44	64P544	TPHB5X44	64B544	TPHS5X44	64S544
6 x 32 NC	3	H3	TPHT6X32	64T632	TPHP6X32	64P632	TPHB6X32	64B632	TPHS6X32	64S632
6 x 40 NF	3	H3	TPHT6X40	64T640	TPHP6X40	64P640	TPHB6X40	64B640	TPHS6X40	64S640
8 x 32 NC	4	H3	TPHT8X32	64T832	TPHP8X32	64P832	TPHB8X32	64B832	TPHS8X32	64S832
8 x 36 NF	4	H3	TPHT8X36	64T836	TPHP8X36	64P836	TPHB8X36	64B836	TPHS8X36	64S836
10 x 24 NC	4	H3	TPHT10X24	64T1024	TPHP10X24	64P1024	TPHB10X24	64B1024	TPHS10X24	64S1024
10 x 32 NF	4	H3	TPHT10X32	64T1032	TPHP10X32	64P1032	TPHB10X32	64B1032	TPHS10X32	64S1032
12 x 24 NC	4	H3	TPHT12X24	64T1224	TPHP12X24	64P1224	TPHB12X24	64B1224	TPHS12X24	64S1224
12 x 28 NF	4	H3	TPHT12X28	64T1228	TPHP12X28	64P1228	TPHB12X28	64B1228	TPHS12X28	64S1228

CARBON STEEL										
Size	# Flutes	Thread Pitch	Taper		Plug		Bottoming		Sets	
			Part #	NEC #	Part #	NEC #	Part #	NEC #	Part #	NEC #
0 x 80 NF	2	H2	TPCT0X80	66T080	TPCP0X80	66P080	TPCB0X80	66B080	TPCS0X80	66S080
1 x 64 NC	2	H2	TPCT1X64	66T164	TPCP1X64	66P164	TPCB1X64	66B164	TPCS1X64	66S164
1 x 72 NF	2	H2	TPCT1X72	66T172	TPCP1X72	66P172	TPCB1X72	66B172	TPCS1X72	66S172
2 x 56 NC	3	H2	TPCT2X56	66T256	TPCP2X56	66P256	TPCB2X56	66B256	TPCS2X56	66S256
2 x 64 NF	3	H2	TPCT2X64	66T264	TPCP2X64	66P264	TPCB2X64	66B264	TPCS2X64	66S264
3 x 48 NC	3	H2	TPCT3X48	66T348	TPCP3X48	66P348	TPCB3X48	66B348	TPCS3X48	66S348
3 x 56 NF	3	H2	TPCT3X56	66T356	TPCP3X56	66P356	TPCB3X56	66B356	TPCS3X56	66S356
4 x 40 NC	3	H2	TPCT4X40	66T440	TPCP4X40	66P440	TPCB4X40	66B440	TPCS4X40	66S440
4 x 48 NF	3	H2	TPCT4X48	66T448	TPCP4X48	66P448	TPCB4X48	66B448	TPCS4X48	66S448
5 x 40 NC	3	H2	TPCT5X40	66T540	TPCP5X40	66P540	TPCB5X40	66B540	TPCS5X40	66S540
5 x 44 NF	3	H2	TPCT5X44	66T544	TPCP5X44	66P544	TPCB5X44	66B544	TPCS5X44	66S544
6 x 32 NC	3	H3	TPCT6X32	66T632	TPCP6X32	66P632	TPCB6X32	66B632	TPCS6X32	66S632
6 x 40 NF	3	H3	TPCT6X40	66T640	TPCP6X40	66P640	TPCB6X40	66B640	TPCS6X40	66S640
8 x 32 NC	4	H3	TPCT8X32	66T832	TPCP8X32	66P832	TPCB8X32	66B832	TPCS8X32	66S832
8 x 36 NF	4	H3	TPCT8X36	66T836	TPCP8X36	66P836	TPCB8X36	66B836	TPCS8X36	66S836
10 x 24 NC	4	H3	TPCT10X24	66T1024	TPCP10X24	66P1024	TPCB10X24	66B1024	TPCS10X24	66S1024
10 x 32 NF	4	H3	TPCT10X32	66T1032	TPCP10X32	66P1032	TPCB10X32	66B1032	TPCS10X32	66S1032
12 x 24 NC	4	H3	TPCT12X24	66T1224	TPCP12X24	66P1224	TPCB12X24	66B1224	TPCS12X24	66S1224
14 x 20 NC	4	H3	TPCT14X20	66T1420	TPCP14X20	66P1420	TPCB14X20	66B1420	TPCS14X20	66S1420

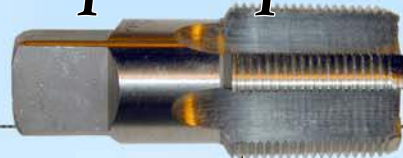
Metric Tap & Dies available in Carbon and High Speed Steel. Please call for a quote.

# Spiral Point Taps

FRACTIONAL SIZES						MACHINE SIZES					
Size	# Flutes	Thread Limit	Part #	NEC #	Pkg Qty	Size	# Flutes	Thread Limit	Part #	NEC #	Pkg Qty
1/4 x 20 NC	2	H3	TGHP.250X20	64G25020	12	4 x 40 NC	2	H2	TGHP4X40	64G440	12
1/4 x 28 NF	2	H3	TGHP.250X28	64G25028	12	4 x 48 NF	2	H2	TGHP4X48	64G448	12
5/16 x 18 NC	2	H3	TGHP.312X18	64G31218	12	5 x 40 NC	2	H2	TGHP5X50	64G450	12
5/16 x 24 NF	2	H3	TGHP.312X24	64G31224	12	5 x 44 NF	2	H2	TGHP5X55	64G455	12
3/8 x 16 NC	3	H3	TGHP.375X16	64G37516	6	6 x 32 NC	2	H2	TGHP6X32	64G632	12
3/8 x 24 NF	3	H3	TGHP.375X24	64G37524	6	6 x 40 NF	2	H2	TGHP6X40	64G640	12
7/16 x 14 NC	3	H3	TGHP.437X14	64G43714	6	8 x 32 NC	2	H3	TGHP8X32	64G832	12
7/16 x 20 NF	3	H3	TGHP.437X20	64G43720	6	8 x 26 NF	2	H3	TGHP7X36	64G736	12
1/2 x 13 NC	3	H3	TGHP.500X13	64G50013	1	10 x 24 NC	2	H3	TGHP10X24	64G1024	12
1/2 x 20 NF	3	H3	TGHP.500X24	64G50024	1	10 x 32 NF	2	H3	TGHP10X32	64G1032	12
9/16 x 12 NC	3	H3	TGHP.562X12	64G56212	1	12 x 24 NC	2	H3	TGHP12X24	64G1224	12
9/16 x 18 NF	3	H3	TGHP.562X18	64G56218	1	12 x 28 NF	2	H3	TGHP12X28	64G1228	12
5/8 x 11 NC	3	H3	TGHP.625X11	64G62511	1	 <p><b>Spiral Point (Gun) Taps</b> - Spiral point taps have the cutting face of the first few threads cut at a predetermined angle to force removal of chips ahead of the cutting action. This gives the spiral point tap more cross-sectional area giving the tap greater strength, which allows for higher tapping speeds. Ideal for PRODUCTION PURPOSES.</p>					
5/8 x 18 NF	3	H3	TGHP.625X18	64G62518	1						
3/4 x 10 NC	3	H3	TGHP.750X10	64G75010	1						
3/4 x 16 NF	3	H3	TGHP.750X16	64G75016	1						
7/8 x 9 NC	3	H4	TGHP.875X9	64G87509	1						
7/8 x 14 NF	3	H4	TGHP.875X14	64G87514	1						
1 x 8 NC	3	H4	TGHP1.000X8	64G100008	1						
1 x 12 NF	3	H4	TGHP1.000X12	64G100012	1						
1 x 14 NS	3	H4	TGHP1.000X14	64G100014	1						

Tin Coated, and Cobalt Available

# Taper Pipe Taps



Straight, Interrupted, and Dry Seal Threads Also Available

HIGH SPEED STEEL					CARBON STEEL					
Size	# Flutes	Overall Length	Thread Length	Part #	Size	# Flutes	Overall Length	Thread Length	Part #	NEC #
1/16 x 27	4	2-1/8"	11/16"	NPTH.062	1/16 x 27	4	2-1/8"	11/16"	NPTC.062	68062
1/8 x 27	4	2-1/8"	11/16"	NPTH.125	1/8 x 27	4	2-1/8"	11/16"	NPTC.125	68125
1/4 x 18	4	2-7/16"	1-1/16"	NPTH.250	1/8 x 27 BSP	4	2-1/8"	3/4"	NPTC.125B	68125B
3/8 x 18	4	2-9/16"	1-1/16"	NPTH.375	1/4 x 18	4	2-7/16"	1-1/16"	NPTC.250	68250
1/2 x 14	4	3-1/8"	1-3/8"	NPTH.500	1/4 x 19 BSP	4	2-7/16"	1-1/16"	NPTC.250B	68250B
3/4 x 14	5	3-1/4"	1-3/8"	NPTH.750	3/8 x 18	4	2-9/16"	1-1/16"	NPTC.375	68375
1 x 11-1/2	5	3-3/4"	1-3/4"	NPTH1.00	1/2 x 14	4	3-1/8"	1-3/8"	NPTC.500	68500
1-1/4 x 11-1/2	5	4-1/2"	1-3/4"	NPTH1.250	3/4 x 14	5	3-1/4"	1-3/8"	NPTC.750	68750
1-1/2 x 11-1/2	7	4-1/2"	1-3/4"	NPTH1.500	1 x 11-1/2	5	3-3/4"	1-3/4"	NPTC1.000	681000
2 x 11-1/2	7	4-1/2"	1-3/4"	NPTH2.00	1-1/4 x 11-1/2	5	4-1/2"	1-3/4"	NPTC1.250	681250
2-1/2 x 8	8	5-1/2"	2-9/16"	NPTH2.50	1-1/2 x 11-1/2	7	4-1/2"	1-3/4"	NPTC1.500	681500
3 x 8	8	6"	2-5/8"	NPTH3.00	2 x 11-1/2	7	4-1/2"	1-3/4"	NPTC2.000	682000
3-1/2 x 8	10	6-1/2"	2-11/16"	NPTH3.50	2-1/2 x 8	8	5-1/2"	2-9/16"	NPTC2.500	682500
4 x 8	10	7"	2-3/4"	NPTH4.00	3 x 8	8	6"	2-5/8"	NPTC3.000	683000
					3-1/2 x 8	10	6-1/2"	2-11/16"	NPTC3.500	683500
					4 x 8	10	7"	2-3/4"	NPTC4.000	684000

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Fax: 801.484.0731

## LASSWELL COMPANY

7126 Kirbyville  
Houston, TX 77033

Phone: 713.644.4313  
Fax: 877.644.0130

## EBBERT COMPANY

18320 Mount Baldy Circle  
Fountain Valley, CA 92708

Phone: 800.EBBERTS (322.3787)  
Local: 714.437.5000  
Fax: 714.437.5322

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Lauderdale Lakes, FL 33311

Phone: 954.321.6643  
Local: 800.940.5398 (Florida Only)  
Fax: 954.321.6497

## HARRY EKLOF & ASSOCIATES, INC.

3401 Pennsy Dr.  
Landover, MD 20785

Phone: 800.556.7556  
Local: 301.772.1700  
Fax: 301.772.7347

## SOUTHERN STAR SALES

2974 Ask-Kay Dr. Suite #D  
Smyrna, GA 30082

Phone: 800.932.7070  
Local: 770.435.8435  
Fax: 770.435.8517

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**Payment Terms:** 2% - 10 Days, net 30 Days. Special terms printed on customers' orders will not be recognized where they differ from our terms. 1-1/2% interest will be charged on overdue balances. Accounts that are 60 days old are put on hold, and no order will be shipped until they are brought up to date.

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Shipment prepaid on orders of \$500.00 USD or more within the continental United States. Minimum order of \$100.00 or a \$5.00 service charge will be added. Back orders will be shipped prepaid only if the original order was prepaid. All next day or Blue Label shipments will be added to the invoice and paid by the customer.

## RETURNS OF MERCHANDISE

We require written authorization from your regional Tru-Cut, or factory representative for all merchandise to be returned. Any returns which were not previously authorized in writing will be refused at the factory, and returned at the sender's expense.

All authorized returns to the factory must be shipped freight prepaid.

We do not allow credit for used, obsolete, or shelf-worn merchandise, or for merchandise damaged beyond our control.

Credit for authorized returns will be issued at prices in effect at the time of purchase, less 15% handling charge. A reasonable additional charge may be added to recondition and repack the merchandise if necessary.

## CLAIMS FOR LOSS OR DAMAGE

Loss or damage of merchandise in transit is the responsibility of the carrier. Therefore, any claims should be filed with the delivery transportation company.

The original invoice, original bill of lading, and delivery receipt with loss or damage noted therein must accompany any freight claims. All of these papers are in your possession.

Any discrepancies in merchandise shipped must be brought to the sender's attention within three (3) business days of receipt.

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## QUALITY ASSURANCE

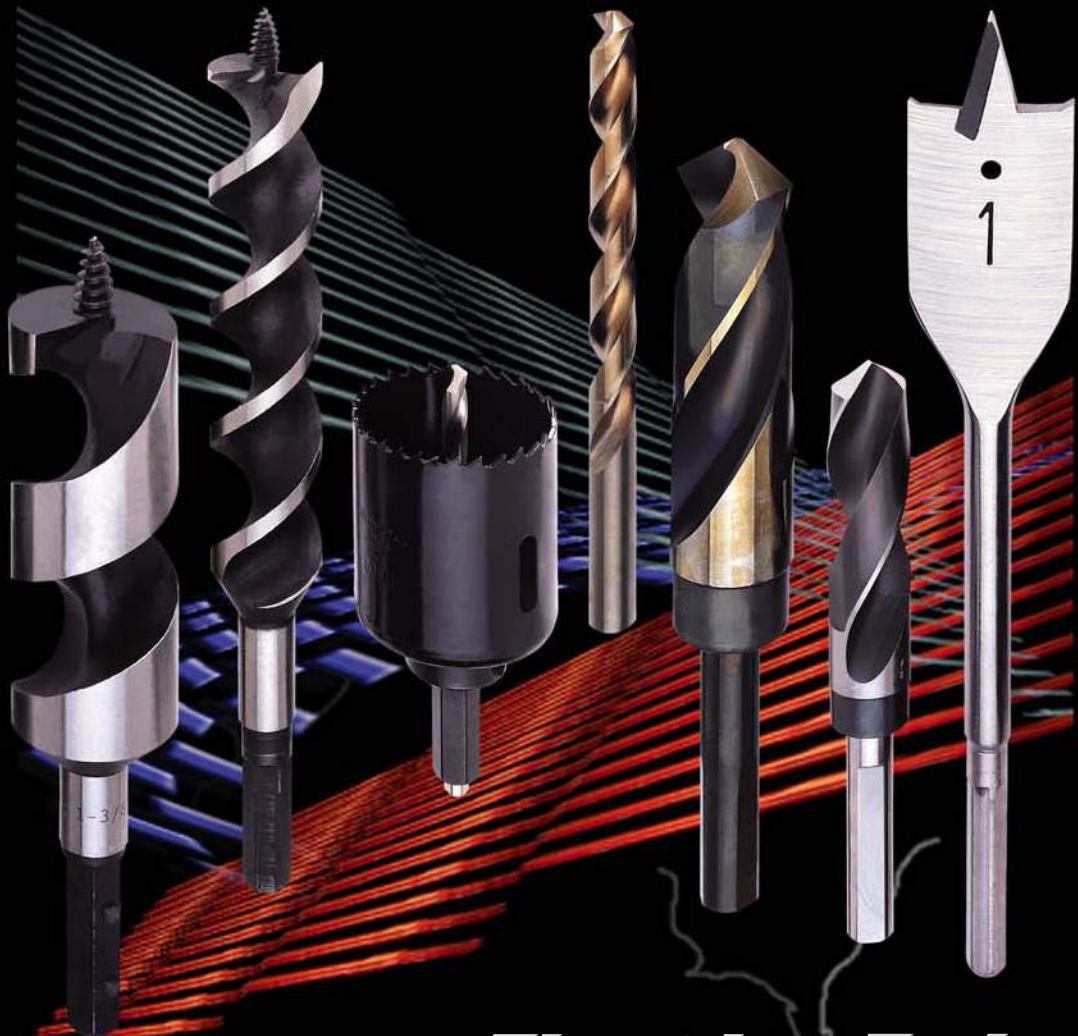
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- We cannot be responsible for merchandise mishandled during use.
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