

Quality Cutting Tools for MRO and Construction

Triumph Twist Drill products are designed for peak performance and versatility in the most demanding maintenance and repair operations and construction applications.

- **DRILLS** **4-32**
- **ANNULAR CUTTERS, SOLID CARBIDE BURS** **33-35**
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Jobber Length Drills

	Series	Pg#
ThunderBit® 	T1HD, BP1HD, T2HD, T3HD, MM1HD 135° Split, HSS	4
ThunderBit® 	T1HDG, BP1HDG 135° Split, HSS	7
MRO PLUS®, Heavy-Duty 	T101D, T102D 135° Split, HSS	8
TriNADO®, Mechanic's Length 	T1M, T8M, 3-Flat Shank 135° Split, HSS	9
Heavy-Duty 	T1D, BP1D, T2D, T3D 135° Split, HSS	10
General Purpose 	T1B, BP1B, T2B, T3B 118°, HSS	13
General Purpose 	T1, BP1, T2, T3, MM1 118°, HSS	16
Cobalt, Heavy-Duty 	T1C, BP1C, T2C 135° Split, Cobalt	20
General Purpose 	T1L, Left Hand 118°, HSS	22

Screw Machine Length Drills

ThunderBit® 	T4HD 135° Split, HSS	23
Heavy-Duty 	T4, T5 135° Split, HSS	24

Extra Length Drills

6" Aircraft Extension 	T6HH, BP6HH, T6WW 135° Split, HSS	26
12" Aircraft Extension	T12HH, BP12HH, T12WW 135° Split, HSS	27
12" General Purpose 	T1290 118°, HSS	27
18" General Purpose	T1813 118°, HSS	27

Reduced Shank Drills

	Series	Pg#
ThunderBit® Silver & Deming, 1/2" Shank 	T9FHD 118° Split, HSS	28
Silver & Deming, 1/2" Shank 	T9 118°, HSS	29
Silver & Deming, 3 Flat, 1/2" Shank 	T9F 118°, HSS	30
Silver & Deming, 1/2" Shank 	T9C 118° Split, Cobalt	31
ThunderBit® Heavy-Duty, 3/8" Shank 	T8HD, BP8HD 135° Split, HSS	31
General Purpose, 1/4" Shank 	BP7 118°, HSS	32
General Purpose, 3/8" Shank 	BP8, T8 118°, HSS	32
General Purpose, 1/4" Shank 	BP10 118° Split , HSS	32

Annular Cutters

Annular Cutters 	TAC HSS	33

Solid Carbide Burs

Burs 	SA-SN Solid Carbide	34

Special Purpose Tools

Masonry, High Helix 	BP11 118° Carbide-Tipped	36
Masonry, Regular Helix 	BP12 118° Carbide-Tipped	36
Masonry, Extra Length 	T1212, T1213 118° Carbide-Tipped	36
Glass & Tile 	TG6 Spear Carbide-Tipped	36

Special Purpose Tools (con't)

	Series	Pg#
Alignment Reamer, 1/2" Reduced Shank 	TCR HSS	37
Center Reamer, Countersink 	T401 82°, HSS	37
Hole Saw, Pilot Drill 	PD3F 118° Split, HSS	37
1/4" Hex Shank 	HEXT4 118° Split, HSS	38
Single End, Body Drill 	TSM7 135° Split, HSS	38
Double End, Body Drill 	TSM8 135° Split, HSS	38
Screw Extractor 	T13CX, BP13CX	39
Flat Woodboring Bit 	BPFWB Spade Point	39
Quick Change 	TQCCI	39

Drill Sets (Pgs. 40-42)





Tap and Die Sets (Pg. 50)



Taps and Dies

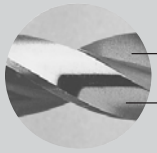
	Series	Pg#
ThunderTap® 	T61HDT, T61HDP, T61HDB, BP61HDT, BP61HDP, T62HDT, T62HDP, T62HDB, BP62HDT, BP62HDP, BP62HDB HSS	44, 45
ThunderTap®, Spiral Point 	T63HD, BP63HD, T64HD, BP64HD Spiral Point, HSS	46
ThunderTap®, Taper Pipe Taps 	T65HD HSS	46
Standard Taps 	WC10B, WC10P, WC10T, WC11P, WC11T, WC11BP WC10BP, WC12P, WC12BP Carbon Steel	47, 48
Drill/Tap Combo Set 	TD2 Carbon Steel	48
Taper Pipe Taps 	JC103, JC103BP Carbon Steel	48
Standard and Rethreading Hex Dies 	W108, W108BP, W109HD Carbon Steel	49
Tap Wrenches T-Handle and Straight Handle 	JT20, JT30, JT40, JTW0, JTW5, JTW7	46
Die Stock 	TRD47, TRD50	49

Material Application Guide

	ThunderBit® & TriNado®	ThunderBit® TiN	Heavy-Duty Black Oxide	MRO & Heavy-Duty Cobalt Bronze Oxide	General Purpose Bright	General Purpose Black Oxide
Aluminum/Aluminum Alloys; Bronze, Soft and Medium		•			•	
Iron, Cast	•	•	•	•		•
Steel, Low and Medium Carbon	•	•	•	•		•
Steel, High Alloy	•	•	•	•		
Steel, Stainless and PH	•	•		•		•
Tough, Medium and High-Tensile Strength Alloys	•	•	•	•		
Wood and Plastic		•			•	
Quick Tip! 135° split point provides quick penetration and reduced "walking"						
Point:	135° Split	135° Split	135° Split	135° Split	118°	118°

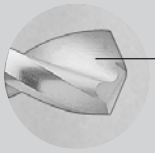
High Performance ThunderBit® Drills are Designed and Engineered to Increase Your Productivity and Tool Life

High Performance Coatings



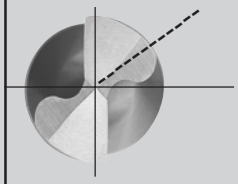
Black Oxide

Bronze Oxide



Titanium Nitride (TiN) Coating

Quick Penetration Split Point



135° Split Point

Heavy-Duty Core Construction



24% of Drill Diameter

57% of Drill Diameter

ThunderBit® High Performance drills are made from industrial-grade steel, with a friction-reducing black and bronze oxide surface treatment for higher drilling speeds. Optional Titanium Nitride (TiN) coating provides the ultimate performance and durability.

Unique spiral flute design improves chip ejection and coolant flow to the point; and the heavy-duty core guarantees increased strength and reduced breakage



THUNDERBIT® **135° Split Point, High Speed Steel, Black & Bronze Oxide**

- Premium grade steel
- Heavy-duty construction
- Unique flute design for superior material removal

T1HD Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/16	.0625	7/8	1-7/8	12504	12
5/64	.0781	1	2	12505	12
3/32	.0938	1-1/4	2-1/4	12506	12
7/64	.1094	1-1/2	2-5/8	12507	12
1/8	.1250	1-5/8	2-3/4	12508	12
9/64	.1406	1-3/4	2-7/8	12509	12
5/32	.1562	2	3-1/8	12510	12
11/64	.1719	2-1/8	3-1/4	12511	12
3/16	.1875	2-5/16	3-1/2	12512	12
13/64	.2031	2-7/16	3-5/8	12513	12
7/32	.2188	2-1/2	3-3/4	12514	12
15/64	.2344	2-5/8	3-7/8	12515	12
1/4	.2500	2-3/4	4	12516	12
17/64	.2656	2-7/8	4-1/8	12517	12
9/32	.2812	2-15/16	4-1/4	12518	12
19/64	.2969	3-1/16	4-3/8	12519	12
5/16	.3125	3-3/16	4-1/2	12520	6
21/64	.3281	3-5/16	4-5/8	12521	6
11/32	.3438	3-7/16	4-3/4	12522	6
23/64	.3594	3-1/2	4-7/8	12523	6
3/8	.3750	3-5/8	5	12524	6
25/64	.3906	3-3/4	5-1/8	12525	6
13/32	.4062	3-7/8	5-1/4	12526	6
27/64	.4219	3-15/16	5-3/8	12527	6
7/16	.4375	4-1/16	5-1/2	12528	6
29/64	.4531	4-3/16	5-5/8	12529	6
15/32	.4688	4-5/16	5-3/4	12530	6
31/64	.4844	4-3/8	5-7/8	12531	6
1/2	.5000	4-1/2	6	12532	6

T1HD Series

Bulk Master Pack

1/16	.0625	7/8	1-7/8	12504.20	288
5/64	.0781	1	2	12505.20	288
3/32	.0938	1-1/4	2-1/4	12506.20	288
7/64	.1094	1-1/2	2-5/8	12507.20	288
1/8	.1250	1-5/8	2-3/4	12508.20	288
9/64	.1406	1-3/4	2-7/8	12509.20	288
5/32	.1562	2	3-1/8	12510.20	288
11/64	.1719	2-1/8	3-1/4	12511.20	288
3/16	.1875	2-5/16	3-1/2	12512.20	288
13/64	.2031	2-7/16	3-5/8	12513.20	288
7/32	.2188	2-1/2	3-3/4	12514.20	288

continued on next page



See Page 23 for Screw Machine Length ThunderBit® Drills

See Page 28 for Reduced Shank ThunderBit® Drills

THUNDERBIT means High Performance

Please Refer to the Material Application Guide on Page 3



THUNDERBIT® (con't)

T1HD Series (con't)

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
15/64	.2344	2-5/8	3-7/8	12515.20	288
1/4	.2500	2-3/4	4	12516.20	288
17/64	.2656	2-7/8	4-1/8	12517.20	144
9/32	.2812	2-15/16	4-1/4	12518.20	144
19/64	.2969	3-1/16	4-3/8	12519.20	144
5/16	.3125	3-3/16	4-1/2	12520.20	144
21/64	.3281	3-5/16	4-5/8	12521.20	144
11/32	.3438	3-7/16	4-3/4	12522.20	144
23/64	.3594	3-1/2	4-7/8	12523.20	144
3/8	.3750	3-5/8	5	12524.20	144
25/64	.3906	3-3/4	5-1/8	12525.20	144
13/32	.4062	3-7/8	5-1/4	12526.20	144
27/64	.4219	3-15/16	5-3/8	12527.20	144
7/16	.4375	4-1/16	5-1/2	12528.20	144
29/64	.4531	4-3/16	5-5/8	12529.20	144
15/32	.4688	4-5/16	5-3/4	12530.20	144
31/64	.4844	4-3/8	5-7/8	12531.20	144
1/2	.5000	4-1/2	6	12532.20	144

T1HD Series

Contractor Pack

1/8	.1250	1-5/8	2-3/4	012508.40	60
3/16	.1875	2-5/16	3-1/2	012512.40	24
1/4	.2500	2-3/4	4	012516.40	36
5/16	.3125	3-3/16	4-1/2	012520.40	30
3/8	.3750	3-5/8	5	012524.40	30
1/2	.5000	4-1/2	6	012532.40	18

BP1HD Series

Skin Pack

1/16	.0625	7/8	1-7/8	014004	1
5/64	.0781	1	2	014005	1
3/32	.0938	1-1/4	2-1/4	014006	1
7/64	.1094	1-1/2	2-5/8	014007	1
1/8	.1250	1-5/8	2-3/4	014008	1
9/64	.1406	1-3/4	2-7/8	014009	1
5/32	.1562	2	3-1/8	014010	1
11/64	.1719	2-1/8	3-1/4	014011	1
3/16	.1875	2-5/16	3-1/2	014012	1
13/64	.2031	2-7/16	3-5/8	014013	1
7/32	.2188	2-1/2	3-3/4	014014	1
15/64	.2344	2-5/8	3-7/8	014015	1
1/4	.2500	2-3/4	4	014016	1
17/64	.2656	2-7/8	4-1/8	014017	1
9/32	.2812	2-15/16	4-1/4	014018	1
19/64	.2969	3-1/16	4-3/8	014019	1
5/16	.3125	3-3/16	4-1/2	014020	1
21/64	.3281	3-5/16	4-5/8	014021	1
11/32	.3438	3-7/16	4-3/4	014022	1
23/64	.3594	3-1/2	4-7/8	014023	1
3/8	.3750	3-5/8	5	014024	1
25/64	.3906	3-3/4	5-1/8	014025	1
13/32	.4062	3-7/8	5-1/4	014026	1
27/64	.4219	3-15/16	5-3/8	014027	1
7/16	.4375	4-1/16	5-1/2	014028	1
29/64	.4531	4-3/16	5-5/8	014029	1
15/32	.4688	4-5/16	5-3/4	014030	1
31/64	.4844	4-3/8	5-7/8	014031	1
1/2	.5000	4-1/2	6	014032	1

T2HD Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
60	.0400	11/16	1-5/8	012660	12
59	.0410	11/16	1-5/8	012659	12
58	.0420	11/16	1-5/8	012658	12
57	.0430	3/4	1-3/4	012657	12
56	.0465	3/4	1-3/4	012656	12
55	.0520	7/8	1-7/8	012655	12
54	.0550	7/8	1-7/8	012654	12
53	.0595	7/8	1-7/8	012653	12
52	.0635	7/8	1-7/8	012652	12
51	.0670	1	2	012651	12
50	.0700	1	2	012650	12
49	.0730	1	2	012649	12
48	.0760	1	2	012648	12
47	.0785	1	2	012647	12
46	.0810	1-1/8	2-1/8	012646	12
45	.0820	1-1/8	2-1/8	012645	12
44	.0860	1-1/8	2-1/8	012644	12
43	.0890	1-1/4	2-1/4	012643	12
42	.0935	1-1/4	2-1/4	012642	12
41	.0960	1-3/8	2-3/8	012641	12
40	.0980	1-3/8	2-3/8	012640	12
39	.0995	1-3/8	2-3/8	012639	12
38	.1015	1-7/16	2-1/2	012638	12
37	.1040	1-7/16	2-1/2	012637	12
36	.1065	1-7/16	2-1/2	012636	12
35	.1100	1-1/2	2-5/8	012635	12
34	.1110	1-1/2	2-5/8	012634	12
33	.1130	1-1/2	2-5/8	012633	12
32	.1160	1-5/8	2-3/4	012632	12
31	.1200	1-5/8	2-3/4	012631	12
30	.1285	1-5/8	2-3/4	012630	12
29	.1360	1-3/4	2-7/8	012629	12
28	.1405	1-3/4	2-7/8	012628	12
27	.1440	1-7/8	3	012627	12
26	.1470	1-7/8	3	012626	12
25	.1495	1-7/8	3	012625	12
24	.1520	2	3-1/8	012624	12
23	.1540	2	3-1/8	012623	12
22	.1570	2	3-1/8	012622	12
21	.1590	2-1/8	3-1/4	012621	12
20	.1610	2-1/8	3-1/4	012620	12
19	.1660	2-1/8	3-1/4	012619	12
18	.1695	2-1/8	3-1/4	012618	12
17	.1730	2-3/16	3-3/8	012617	12
16	.1770	2-3/16	3-3/8	012616	12
15	.1800	2-3/16	3-3/8	012615	12
14	.1820	2-3/16	3-3/8	012614	12
13	.1850	2-5/16	3-1/2	012613	12
12	.1890	2-5/16	3-1/2	012612	12
11	.1910	2-5/16	3-1/2	012611	12
10	.1935	2-7/16	3-5/8	012610	12
9	.1960	2-7/16	3-5/8	012609	12
8	.1990	2-7/16	3-5/8	012608	12
7	.2010	2-7/16	3-5/8	012607	12
6	.2040	2-1/2	3-3/4	012606	12
5	.2055	2-1/2	3-3/4	012605	12
4	.2090	2-1/2	3-3/4	012604	12
3	.2130	2-1/2	3-3/4	012603	12
2	.2210	2-5/8	3-7/8	012602	12
1	.2280	2-5/8	3-7/8	012601	12



THUNDERBIT® (con't)

T2HD Series

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
60	.0400	11/16	1-5/8	012660.20	288
59	.0410	11/16	1-5/8	012659.20	288
58	.0420	11/16	1-5/8	012658.20	288
57	.0430	3/4	1-3/4	012657.20	288
56	.0465	3/4	1-3/4	012656.20	288
55	.0520	7/8	1-7/8	012655.20	288
54	.0550	7/8	1-7/8	012654.20	288
53	.0595	7/8	1-7/8	012653.20	288
52	.0635	7/8	1-7/8	012652.20	288
51	.0670	1	2	012651.20	288
50	.0700	1	2	012650.20	288
49	.0730	1	2	012649.20	288
48	.0760	1	2	012648.20	288
47	.0785	1	2	012647.20	288
46	.0810	1-1/8	2-1/8	012646.20	288
45	.0820	1-1/8	2-1/8	012645.20	288
44	.0860	1-1/8	2-1/8	012644.20	288
43	.0890	1-1/4	2-1/4	012643.20	288
42	.0935	1-1/4	2-1/4	012642.20	288
41	.0960	1-3/8	2-3/8	012641.20	288
40	.0980	1-3/8	2-3/8	012640.20	288
39	.0995	1-3/8	2-3/8	012639.20	288
38	.1015	1-7/16	2-1/2	012638.20	288
37	.1040	1-7/16	2-1/2	012637.20	288
36	.1065	1-7/16	2-1/2	012636.20	288
35	.1100	1-1/2	2-5/8	012635.20	288
34	.1110	1-1/2	2-5/8	012634.20	288
33	.1130	1-1/2	2-5/8	012633.20	288
32	.1160	1-5/8	2-3/4	012632.20	288
31	.1200	1-5/8	2-3/4	012631.20	288
30	.1285	1-5/8	2-3/4	012630.20	288
29	.1360	1-3/4	2-7/8	012629.20	288
28	.1405	1-3/4	2-7/8	012628.20	288
27	.1440	1-7/8	3	012627.20	288
26	.1470	1-7/8	3	012626.20	288
25	.1495	1-7/8	3	012625.20	288
24	.1520	2	3-1/8	012624.20	288
23	.1540	2	3-1/8	012623.20	288
22	.1570	2	3-1/8	012622.20	288
21	.1590	2-1/8	3-1/4	012621.20	288
20	.1610	2-1/8	3-1/4	012620.20	288
19	.1660	2-1/8	3-1/4	012619.20	288
18	.1695	2-1/8	3-1/4	012618.20	288
17	.1730	2-3/16	3-3/8	012617.20	288
16	.1770	2-3/16	3-3/8	012616.20	288
15	.1800	2-3/16	3-3/8	012615.20	288
14	.1820	2-3/16	3-3/8	012614.20	288
13	.1850	2-5/16	3-1/2	012613.20	288
12	.1890	2-5/16	3-1/2	012612.20	288
11	.1910	2-5/16	3-1/2	012611.20	288
10	.1935	2-7/16	3-5/8	012610.20	288
9	.1960	2-7/16	3-5/8	012609.20	288
8	.1990	2-7/16	3-5/8	012608.20	288
7	.2010	2-7/16	3-5/8	012607.20	288
6	.2040	2-1/2	3-3/4	012606.20	288
5	.2055	2-1/2	3-3/4	012605.20	288
4	.2090	2-1/2	3-3/4	012604.20	288
3	.2130	2-1/2	3-3/4	012603.20	288
2	.2210	2-5/8	3-7/8	012602.20	288
1	.2280	2-5/8	3-7/8	012601.20	288

T3HD Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
A	.2340	2-5/8	3-7/8	012701	12
B	.2380	2-3/4	4	012702	12
C	.2420	2-3/4	4	012703	12
D	.2460	2-3/4	4	012704	12
E	.2500	2-3/4	4	012705	12
F	.2570	2-7/8	4-1/8	012706	12
G	.2610	2-7/8	4-1/8	012707	12
H	.2660	2-7/8	4-1/8	012708	12
I	.2720	2-7/8	4-1/8	012709	12
J	.2770	2-7/8	4-1/8	012710	12
K	.2810	2-15/16	4-1/4	012711	12
L	.2900	2-15/16	4-1/4	012712	12
M	.2950	3-1/16	4-3/8	012713	12
N	.3020	3-1/16	4-3/8	012714	12
O	.3160	3-3/16	4-1/2	012715	6
P	.3230	3-5/16	4-5/8	012716	6
Q	.3320	3-7/16	4-3/4	012717	6
R	.3390	3-7/16	4-3/4	012718	6
S	.3480	3-1/2	4-7/8	012719	6
T	.3580	3-1/2	4-7/8	012720	6
U	.3680	3-5/8	5	012721	6
V	.3770	3-5/8	5	012722	6
W	.3860	3-3/4	5-1/8	012723	6
X	.3970	3-3/4	5-1/8	012724	6
Y	.4040	3-7/8	5-1/4	012725	6
Z	.4130	3-7/8	5-1/4	012726	6

MM1HD Series (ANSI)

Envelope

1.00	.0394	17	41	014310	12
1.50	.0591	22	48	014315	12
2.00	.0787	25	51	014320	12
2.50	.0984	35	60	014325	12
3.00	.1181	41	70	014330	12
3.30	.1299	44	73	014333	12
3.50	.1378	44	73	014335	12
4.00	.1575	54	83	014340	12
4.20	.1654	54	83	014342	12
4.50	.1772	56	86	014345	12
5.00	.1969	62	92	014350	12
5.50	.2165	64	95	014355	12
6.00	.2362	70	102	014360	12
6.50	.2559	73	105	014365	12
7.00	.2756	73	105	014370	6
7.50	.2953	78	111	014375	6
8.00	.3150	81	114	014380	6
8.50	.3346	87	121	014385	6
9.00	.3543	89	124	014390	6
9.50	.3740	92	127	014395	6
10.00	.3937	95	130	014400	6
10.50	.4134	98	133	014405	6
11.00	.4331	103	140	014410	6
11.50	.4528	106	143	014415	6
12.00	.4724	111	149	014420	6
12.50	.4921	114	152	014425	6
13.00	.5118	114	152	014430	Tube

Corresponding Drill Sets

MM19HD	Metal Index	19 Piece	1.00-10.00mm by .50mm	090670
MM25HD	Metal Index	25 Piece	1.00-13.00mm by .50mm	090676
SAD13HD	Select-A-Drill	13 Piece	1/16"-1/4" by 64ths	090495
SAD21HD	Select-A-Drill	21 Piece	1/16"-3/8" by 64ths	090496
T19HD	Metal Index	13 Piece	1/16"-1/4" by 64ths	099858
T18HD	Metal Index	15 Piece	1/16"-1/2" by 32nds	099857
T180HD	Metal Index	21 Piece	1/16"-3/8" by 64ths	099861
T17HD	Metal Index	29 Piece	1/16"-1/2" by 64ths	099856
T22HD	Metal Index	60 Piece	#1-#60	099859
T25HD	Metal Index	26 Piece	A - Z	099860
T123HD	Metal Index	115 Piece	1/16"-1/2" by 64ths, #1-#60, A-Z	099862
T80HD	Display		1/16"-1/2" by 64ths	099995



THUNDERBIT® **135° Split Point, High Speed Steel TiN Coated**

- Premium grade steel
- Heavy-duty construction
- Unique flute design for superior material removal

T1HDG Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/16	.0625	7/8	1-7/8	012804	12
5/64	.0781	1	2	012805	12
3/32	.0938	1-1/4	2-1/4	012806	12
7/64	.1094	1-1/2	2-5/8	012807	12
1/8	.1250	1-5/8	2-3/4	012808	12
9/64	.1406	1-3/4	2-7/8	012809	12
5/32	.1562	2	3-1/8	012810	12
11/64	.1719	2-1/8	3-1/4	012811	12
3/16	.1875	2-5/16	3-1/2	012812	12
13/64	.2031	2-7/16	3-5/8	012813	12
7/32	.2188	2-1/2	3-3/4	012814	12
15/64	.2344	2-5/8	3-7/8	012815	12
1/4	.2500	2-3/4	4	012816	12
17/64	.2656	2-7/8	4-1/8	012817	12
9/32	.2812	2-15/16	4-1/4	012818	12
19/64	.2969	3-1/16	4-3/8	012819	12
5/16	.3125	3-3/16	4-1/2	012820	6
21/64	.3281	3-5/16	4-5/8	012821	6
11/32	.3438	3-7/16	4-3/4	012822	6
23/64	.3594	3-1/2	4-7/8	012823	6
3/8	.3750	3-5/8	5	012824	6
25/64	.3906	3-3/4	5-1/8	012825	6
13/32	.4062	3-7/8	5-1/4	012826	6
27/64	.4219	3-15/16	5-3/8	012827	6
7/16	.4375	4-1/16	5-1/2	012828	6
29/64	.4531	4-3/16	5-5/8	012829	6
15/32	.4688	4-5/16	5-3/4	012830	6
31/64	.4844	4-3/8	5-7/8	012831	6
1/2	.5000	4-1/2	6	012832	6

BP1HDG Series

Skin Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/8	.1250	1-5/8	2-3/4	014108	1
3/16	.1875	2-5/16	3-1/2	014112	1
1/4	.2500	2-3/4	4	014116	1
5/16	.3125	3-3/16	4-1/2	014120	1
3/8	.3750	3-5/8	5	014124	1
7/16	.4375	4-1/16	5-1/2	014128	1
1/2	.5000	4-1/2	6	014132	1

Corresponding Drill Sets



T19HDG	Metal Index	13 Piece	1/16”-1/4” by 64ths, TiN Coated	093702
T18HDG	Metal Index	15 Piece	1/16”-1/2” by 32nds, TiN Coated	093701
T180HDG	Metal Index	21 Piece	1/16”-3/8” by 64ths, TiN Coated	093703
T17HDG	Metal Index	29 Piece	1/16”-1/2” by 64ths, TiN Coated	093700

Please Refer to the Material Application Guide on Page 3



MRO PLUS

MRO Plus Drills are designed for quality and efficiency in maintenance and repair operations

135° Split Point, High Speed Steel, Black and Bright Finish

- Manufactured to aerospace specifications
- Premium grade steel

T101D Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/16	.0625	7/8	1-7/8	022704	12
5/64	.0781	1	2	022705	12
3/32	.0938	1-1/4	2-1/4	022706	12
7/64	.1094	1-1/2	2-5/8	022707	12
1/8	.1250	1-5/8	2-3/4	022708	12
9/64	.1406	1-3/4	2-7/8	022709	12
5/32	.1562	2	3-1/8	022710	12
11/64	.1719	2-1/8	3-1/4	022711	12
3/16	.1875	2-5/16	3-1/2	022712	12
13/64	.2031	2-7/16	3-5/8	022713	12
7/32	.2188	2-1/2	3-3/4	022714	12
15/64	.2344	2-5/8	3-7/8	022715	12
1/4	.2500	2-3/4	4	022716	12
17/64	.2656	2-7/8	4-1/8	022717	12
9/32	.2812	2-15/16	4-1/4	022718	12
19/64	.2969	3-1/16	4-3/8	022719	12
5/16	.3125	3-3/16	4-1/2	022720	6
21/64	.3281	3-5/16	4-5/8	022721	6
11/32	.3438	3-7/16	4-3/4	022722	6
23/64	.3594	3-1/2	4-7/8	022723	6
3/8	.3750	3-5/8	5	022724	6
25/64	.3906	3-3/4	5-1/8	022725	6
13/32	.4062	3-7/8	5-1/4	022726	6
27/64	.4219	3-15/16	5-3/8	022727	6
7/16	.4375	4-1/16	5-1/2	022728	6
29/64	.4531	4-3/16	5-5/8	022729	6
15/32	.4688	4-5/16	5-3/4	022730	6
31/64	.4844	4-3/8	5-7/8	022731	6
1/2	.5000	4-1/2	6	022732	6



Corresponding Drill Sets

T1019D	Metal Index	13 Piece	1/16”-1/4” by 64ths	090193
T1018D	Metal Index	15 Piece	1/16”-1/2” by 32nds	090192
T1010D	Metal Index	21 Piece	1/16”-3/8” by 64ths	090191
T1017D	Metal Index	29 Piece	1/16”-1/2” by 64ths	090190
T1022D	Metal Index	60 Piece	#1-#60	090194

T102D Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
60*	.0400	11/16	1-5/8	022860	12
59*	.0410	11/16	1-5/8	022859	12
58*	.0420	11/16	1-5/8	022858	12
57*	.0430	3/4	1-3/4	022857	12
56*	.0465	3/4	1-3/4	022856	12
55*	.0520	7/8	1-7/8	022855	12
54*	.0550	7/8	1-7/8	022854	12
53*	.0595	7/8	1-7/8	022853	12
52	.0635	7/8	1-7/8	022852	12
51	.0670	1	2	022851	12
50	.0700	1	2	022850	12
49	.0730	1	2	022849	12
48	.0760	1	2	022848	12
47	.0785	1	2	022847	12
46	.0810	1-1/8	2-1/8	022846	12
45	.0820	1-1/8	2-1/8	022845	12
44	.0860	1-1/8	2-1/8	022844	12
43	.0890	1-1/4	2-1/4	022843	12
42	.0935	1-1/4	2-1/4	022842	12
41	.0960	1-3/8	2-3/8	022841	12
40	.0980	1-3/8	2-3/8	022840	12
39	.0995	1-3/8	2-3/8	022839	12
38	.1015	1-7/16	2-1/2	022838	12
37	.1040	1-7/16	2-1/2	022837	12
36	.1065	1-7/16	2-1/2	022836	12
35	.1100	1-1/2	2-5/8	022835	12
34	.1110	1-1/2	2-5/8	022834	12
33	.1130	1-1/2	2-5/8	022833	12
32	.1160	1-5/8	2-3/4	022832	12
31	.1200	1-5/8	2-3/4	022831	12
30	.1285	1-5/8	2-3/4	022830	12
29	.1360	1-3/4	2-7/8	022829	12
28	.1405	1-3/4	2-7/8	022828	12
27	.1440	1-7/8	3	022827	12
26	.1470	1-7/8	3	022826	12
25	.1495	1-7/8	3	022825	12
24	.1520	2	3-1/8	022824	12
23	.1540	2	3-1/8	022823	12
22	.1570	2	3-1/8	022822	12
21	.1590	2-1/8	3-1/4	022821	12
20	.1610	2-1/8	3-1/4	022820	12
19	.1660	2-1/8	3-1/4	022819	12
18	.1695	2-1/8	3-1/4	022818	12
17	.1730	2-3/16	3-3/8	022817	12
16	.1770	2-3/16	3-3/8	022816	12
15	.1800	2-3/16	3-3/8	022815	12
14	.1820	2-3/16	3-3/8	022814	12
13	.1850	2-5/16	3-1/2	022813	12
12	.1890	2-5/16	3-1/2	022812	12
11	.1910	2-5/16	3-1/2	022811	12
10	.1935	2-7/16	3-5/8	022810	12
9	.1960	2-7/16	3-5/8	022809	12
8	.1990	2-7/16	3-5/8	022808	12
7	.2010	2-7/16	3-5/8	022807	12
6	.2040	2-1/2	3-3/4	022806	12
5	.2055	2-1/2	3-3/4	022805	12
4	.2090	2-1/2	3-3/4	022804	12
3	.2130	2-1/2	3-3/4	022803	12
2	.2210	2-5/8	3-7/8	022802	12
1	.2280	2-5/8	3-7/8	022801	12

*Not split point

Please Refer to the Material Application Guide on Page 3



TriNADO

135° Split Point, High Speed Steel, 3-Flat Shank, Black and Bronze Oxide

- Premium grade steel
- Mechanic's length - longer than screw machine length, shorter than jobber length

TriNado Drills are the Perfect No-Slip Tool For Your Cordless Drilling Needs – The special 3-flat shank provides a positive grip in cordless, keyless and conventional power tools.

T1M Series (Straight Shank)

1/16"- 1/2" by 64ths
(3 flats on sizes 3/16" and larger



Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/16	.0625	7/8	1-7/8	033304	12
5/64	.0781	1	2	033305	12
3/32	.0938	1-1/4	2-1/4	033306	12
7/64	.1094	1-5/16	2-3/8	033307	12
1/8	.1250	1-7/16	2-1/2	033308	12
9/64	.1406	1-9/16	2-5/8	033309	12
5/32	.1562	1-11/16	2-3/4	033310	12
11/64	.1719	1-13/16	2-7/8	033311	12
3/16	.1875	1-7/8	3	033312	12
13/64	.2031	1-15/16	3-1/8	033313	12
7/32	.2188	2	3-1/4	033314	12
15/64	.2344	2-1/16	3-3/8	033315	12
1/4	.2500	2	3-1/2	033316	12
17/64	.2656	2-1/8	3-5/8	033317	12
9/32	.2812	2-1/4	3-3/4	033318	12
19/64	.2969	2-3/8	3-7/8	033319	12
5/16	.3125	2-1/2	4	033320	6
21/64	.3281	2-9/16	4-1/16	033321	6
11/32	.3438	2-5/8	4-1/8	033322	6
23/64	.3594	2-11/16	4-3/16	033323	6
3/8	.3750	2-11/16	4-1/4	033324	6
25/64*	.3906	2-3/4	4-5/16	033325	6
13/32*	.4062	2-13/16	4-3/8	033326	6
27/64	.4219	2-7/8	4-7/16	033327	6
7/16	.4375	2-15/16	4-1/2	033328	6
29/64	.4531	3	4-5/8	033329	6
15/32	.4688	3-1/8	4-3/4	033330	6
31/64	.4844	3-1/4	4-7/8	033331	6
1/2	.5000	3-3/8	5	033332	6

*Drill sizes 25/64" and 13/32" will fit a 3/8" chuck without reducing the shank

T1M Series (Straight Shank)

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/16	.0625	7/8	1-7/8	033304.20	144
5/64	.0781	1	2	033305.20	144
3/32	.0938	1-1/4	2-1/4	033306.20	144
7/64	.1094	1-5/16	2-3/8	033307.20	144
1/8	.1250	1-7/16	2-1/2	033308.20	144
9/64	.1406	1-9/16	2-5/8	033309.20	144
5/32	.1562	1-11/16	2-3/4	033310.20	144
11/64	.1719	1-13/16	2-7/8	033311.20	144
3/16	.1875	1-7/8	3	033312.20	144
13/64	.2031	1-15/16	3-1/8	033313.20	144
7/32	.2188	2	3-1/4	033314.20	144
15/64	.2344	2-1/16	3-3/8	033315.20	144
1/4	.2500	2	3-1/2	033316.20	144
17/64	.2656	2-1/8	3-5/8	033317.20	144
9/32	.2812	2-1/4	3-3/4	033318.20	144
19/64	.2969	2-3/8	3-7/8	033319.20	144
5/16	.3125	2-1/2	4	033320.20	144
21/64	.3281	2-9/16	4-1/16	033321.20	144
11/32	.3438	2-5/8	4-1/8	033322.20	144
23/64	.3594	2-11/16	4-3/16	033323.20	144
3/8	.3750	2-11/16	4-1/4	033324.20	144
25/64*	.3906	2-3/4	4-5/16	033325.20	144
13/32*	.4062	2-13/16	4-3/8	033326.20	144
27/64	.4219	2-7/8	4-7/16	033327.20	144
7/16	.4375	2-15/16	4-1/2	033328.20	144
29/64	.4531	3	4-5/8	033329.20	144
15/32	.4688	3-1/8	4-3/4	033330.20	144
31/64	.4844	3-1/4	4-7/8	033331.20	144
1/2	.5000	3-3/8	5	033332.20	144

*Drill sizes 25/64" and 13/32" will fit a 3/8" chuck without reducing the shank

T8M Series (3/8" Reduced Shank)

27/64" - 1/2" by 64ths
(3 flats on all sizes)



Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
27/64	.4219	2-7/8	4-7/16	092627	6
7/16	.4375	2-15/16	4-1/2	092628	6
29/64	.4531	3	4-5/8	092629	6
15/32	.4688	3-1/8	4-3/4	092630	6
31/64	.4844	3-1/4	4-7/8	092631	6
1/2	.5000	3-3/8	5	092632	6



Corresponding Drill Sets

T19M	Metal Index	13 Piece	1/16"-1/4" by 64ths	090547
T18M	Metal Index	15 Piece	1/16"-1/2" by 32nds	090551
T180M	Metal Index	21 Piece	1/16"-3/8" by 64ths	090549
T17M	Metal Index	29 Piece	1/16"-1/2" by 64ths	090552
T829M	Metal Index	29 Piece	1/16"-1/2" by 64ths, 3/8" Reduced Shank	090550

Please Refer to the Material Application Guide on Page 3

TRIUMPH TWIST DRILL

Jobber Length Drills



135° Split Point, High Speed Steel, General Purpose, Black Oxide

- Black oxide finish for added lubricity
- Heavy-duty construction

T1D Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/16	.0625	7/8	1-7/8	011404	12
5/64	.0781	1	2	011405	12
3/32	.0938	1-1/4	2-1/4	011406	12
7/64	.1094	1-1/2	2-5/8	011407	12
1/8	.1250	1-5/8	2-3/4	011408	12
9/64	.1406	1-3/4	2-7/8	011409	12
5/32	.1562	2	3-1/8	011410	12
11/64	.1719	2-1/8	3-1/4	011411	12
3/16	.1875	2-5/16	3-1/2	011412	12
13/64	.2031	2-7/16	3-5/8	011413	12
7/32	.2188	2-1/2	3-3/4	011414	12
15/64	.2344	2-5/8	3-7/8	011415	12
1/4	.2500	2-3/4	4	011416	12
17/64	.2656	2-7/8	4-1/8	011417	12
9/32	.2812	2-15/16	4-1/4	011418	12
19/64	.2969	3-1/16	4-3/8	011419	12
5/16	.3125	3-3/16	4-1/2	011420	6
21/64	.3281	3-5/16	4-5/8	011421	6
11/32	.3438	3-7/16	4-3/4	011422	6
23/64	.3594	3-1/2	4-7/8	011423	6
3/8	.3750	3-5/8	5	011424	6
25/64	.3906	3-3/4	5-1/8	011425	6
13/32	.4062	3-7/8	5-1/4	011426	6
27/64	.4219	3-15/16	5-3/8	011427	6
7/16	.4375	4-1/16	5-1/2	011428	6
29/64	.4531	4-3/16	5-5/8	011429	6
15/32	.4688	4-5/16	5-3/4	011430	6
31/64	.4844	4-3/8	5-7/8	011431	6
1/2	.5000	4-1/2	6	011432	6

T1D Series

Bulk Master Pack

1/16	.0625	7/8	1-7/8	011404.20	288
5/64	.0781	1	2	011405.20	288
3/32	.0938	1-1/4	2-1/4	011406.20	288
7/64	.1094	1-1/2	2-5/8	011407.20	288
1/8	.1250	1-5/8	2-3/4	011408.20	288
9/64	.1406	1-3/4	2-7/8	011409.20	288
5/32	.1562	2	3-1/8	011410.20	288
11/64	.1719	2-1/8	3-1/4	011411.20	288
3/16	.1875	2-5/16	3-1/2	011412.20	288
13/64	.2031	2-7/16	3-5/8	011413.20	288
7/32	.2188	2-1/2	3-3/4	011414.20	288
15/64	.2344	2-5/8	3-7/8	011415.20	288
1/4	.2500	2-3/4	4	011416.20	288
17/64	.2656	2-7/8	4-1/8	011417.20	144
9/32	.2812	2-15/16	4-1/4	011418.20	144

T1D Series (con't)

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
19/64	.2969	3-1/16	4-3/8	011419.20	144
5/16	.3125	3-3/16	4-1/2	011420.20	144
21/64	.3281	3-5/16	4-5/8	011421.20	144
11/32	.3438	3-7/16	4-3/4	011422.20	144
23/64	.3594	3-1/2	4-7/8	011423.20	144
3/8	.3750	3-5/8	5	011424.20	144
25/64	.3906	3-3/4	5-1/8	011425.20	144
13/32	.4062	3-7/8	5-1/4	011426.20	144
27/64	.4219	3-15/16	5-3/8	011427.20	144
7/16	.4375	4-1/16	5-1/2	011428.20	144
29/64	.4531	4-3/16	5-5/8	011429.20	144
15/32	.4688	4-5/16	5-3/4	011430.20	144
31/64	.4844	4-3/8	5-7/8	011431.20	144
1/2	.5000	4-1/2	6	011432.20	144

BP1D Series

Skin Pack

1/16	.0625	7/8	1-7/8	013704	2
5/64	.0781	1	2	013705	2
3/32	.0938	1-1/4	2-1/4	013706	2
7/64	.1094	1-1/2	2-5/8	013707	2
1/8	.1250	1-5/8	2-3/4	013708	2
9/64	.1406	1-3/4	2-7/8	013709	1
5/32	.1562	2	3-1/8	013710	1
11/64	.1719	2-1/8	3-1/4	013711	1
3/16	.1875	2-5/16	3-1/2	013712	1
13/64	.2031	2-7/16	3-5/8	013713	1
7/32	.2188	2-1/2	3-3/4	013714	1
15/64	.2344	2-5/8	3-7/8	013715	1
1/4	.2500	2-3/4	4	013716	1
17/64	.2656	2-7/8	4-1/8	013717	1
9/32	.2812	2-15/16	4-1/4	013718	1
19/64	.2969	3-1/16	4-3/8	013719	1
5/16	.3125	3-3/16	4-1/2	013720	1
21/64	.3281	3-5/16	4-5/8	013721	1
11/32	.3438	3-7/16	4-3/4	013722	1
23/64	.3594	3-1/2	4-7/8	013723	1
3/8	.3750	3-5/8	5	013724	1
25/64	.3906	3-3/4	5-1/8	013725	1
13/32	.4062	3-7/8	5-1/4	013726	1
27/64	.4219	3-15/16	5-3/8	013727	1
7/16	.4375	4-1/16	5-1/2	013728	1
29/64	.4531	4-3/16	5-5/8	013729	1
15/32	.4688	4-5/16	5-3/4	013730	1
31/64	.4844	4-3/8	5-7/8	013731	1
1/2	.5000	4-1/2	6	013732	1

continued in next column

Please Refer to the Material Application Guide on Page 3



(con't)

T2D Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
60*	.0400	11/16	1-5/8	012460	12
59*	.0410	11/16	1-5/8	012459	12
58*	.0420	11/16	1-5/8	012458	12
57*	.0430	3/4	1-3/4	012457	12
56*	.0465	3/4	1-3/4	012456	12
55*	.0520	7/8	1-7/8	012455	12
54*	.0550	7/8	1-7/8	012454	12
53*	.0595	7/8	1-7/8	012453	12
52	.0635	7/8	1-7/8	012452	12
51	.0670	1	2	012451	12
50	.0700	1	2	012450	12
49	.0730	1	2	012449	12
48	.0760	1	2	012448	12
47	.0785	1	2	012447	12
46	.0810	1-1/8	2-1/8	012446	12
45	.0820	1-1/8	2-1/8	012445	12
44	.0860	1-1/8	2-1/8	012444	12
43	.0890	1-1/4	2-1/4	012443	12
42	.0935	1-1/4	2-1/4	012442	12
41	.0960	1-3/8	2-3/8	012441	12
40	.0980	1-3/8	2-3/8	012440	12
39	.0995	1-3/8	2-3/8	012439	12
38	.1015	1-7/16	2-1/2	012438	12
37	.1040	1-7/16	2-1/2	012437	12
36	.1065	1-7/16	2-1/2	012436	12
35	.1100	1-1/2	2-5/8	012435	12
34	.1110	1-1/2	2-5/8	012434	12
33	.1130	1-1/2	2-5/8	012433	12
32	.1160	1-5/8	2-3/4	012432	12
31	.1200	1-5/8	2-3/4	012431	12
30	.1285	1-5/8	2-3/4	012430	12
29	.1360	1-3/4	2-7/8	012429	12
28	.1405	1-3/4	2-7/8	012428	12
27	.1440	1-7/8	3	012427	12
26	.1470	1-7/8	3	012426	12
25	.1495	1-7/8	3	012425	12
24	.1520	2	3-1/8	012424	12
23	.1540	2	3-1/8	012423	12
22	.1570	2	3-1/8	012422	12
21	.1590	2-1/8	3-1/4	012421	12
20	.1610	2-1/8	3-1/4	012420	12
19	.1660	2-1/8	3-1/4	012419	12
18	.1695	2-1/8	3-1/4	012418	12
17	.1730	2-3/16	3-3/8	012417	12
16	.1770	2-3/16	3-3/8	012416	12
15	.1800	2-3/16	3-3/8	012415	12
14	.1820	2-3/16	3-3/8	012414	12
13	.1850	2-5/16	3-1/2	012413	12
12	.1890	2-5/16	3-1/2	012412	12
11	.1910	2-5/16	3-1/2	012411	12
10	.1935	2-7/16	3-5/8	012410	12
9	.1960	2-7/16	3-5/8	012409	12
8	.1990	2-7/16	3-5/8	012408	12
7	.2010	2-7/16	3-5/8	012407	12
6	.2040	2-1/2	3-3/4	012406	12
5	.2055	2-1/2	3-3/4	012405	12
4	.2090	2-1/2	3-3/4	012404	12
3	.2130	2-1/2	3-3/4	012403	12
2	.2210	2-5/8	3-7/8	012402	12
1	.2280	2-5/8	3-7/8	012401	12

*Not split point

T2D Series

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
60*	.0400	11/16	1-5/8	012460.20	288
59*	.0410	11/16	1-5/8	012459.20	288
58*	.0420	11/16	1-5/8	012458.20	288
57*	.0430	3/4	1-3/4	012457.20	288
56*	.0465	3/4	1-3/4	012456.20	288
55*	.0520	7/8	1-7/8	012455.20	288
54*	.0550	7/8	1-7/8	012454.20	288
53*	.0595	7/8	1-7/8	012453.20	288
52	.0635	7/8	1-7/8	012452.20	288
51	.0670	1	2	012451.20	288
50	.0700	1	2	012450.20	288
49	.0730	1	2	012449.20	288
48	.0760	1	2	012448.20	288
47	.0785	1	2	012447.20	288
46	.0810	1-1/8	2-1/8	012446.20	288
45	.0820	1-1/8	2-1/8	012445.20	288
44	.0860	1-1/8	2-1/8	012444.20	288
43	.0890	1-1/4	2-1/4	012443.20	288
42	.0935	1-1/4	2-1/4	012442.20	288
41	.0960	1-3/8	2-3/8	012441.20	288
40	.0980	1-3/8	2-3/8	012440.20	288
39	.0995	1-3/8	2-3/8	012439.20	288
38	.1015	1-7/16	2-1/2	012438.20	288
37	.1040	1-7/16	2-1/2	012437.20	288
36	.1065	1-7/16	2-1/2	012436.20	288
35	.1100	1-1/2	2-5/8	012435.20	288
34	.1110	1-1/2	2-5/8	012434.20	288
33	.1130	1-1/2	2-5/8	012433.20	288
32	.1160	1-5/8	2-3/4	012432.20	288
31	.1200	1-5/8	2-3/4	012431.20	288
30	.1285	1-5/8	2-3/4	012430.20	288
29	.1360	1-3/4	2-7/8	012429.20	288
28	.1405	1-3/4	2-7/8	012428.20	288
27	.1440	1-7/8	3	012427.20	288
26	.1470	1-7/8	3	012426.20	288
25	.1495	1-7/8	3	012425.20	288
24	.1520	2	3-1/8	012424.20	288
23	.1540	2	3-1/8	012423.20	288
22	.1570	2	3-1/8	012422.20	288
21	.1590	2-1/8	3-1/4	012421.20	288
20	.1610	2-1/8	3-1/4	012420.20	288
19	.1660	2-1/8	3-1/4	012419.20	288
18	.1695	2-1/8	3-1/4	012418.20	288
17	.1730	2-3/16	3-3/8	012417.20	288
16	.1770	2-3/16	3-3/8	012416.20	288
15	.1800	2-3/16	3-3/8	012415.20	288
14	.1820	2-3/16	3-3/8	012414.20	288
13	.1850	2-5/16	3-1/2	012413.20	288
12	.1890	2-5/16	3-1/2	012412.20	288
11	.1910	2-5/16	3-1/2	012411.20	288
10	.1935	2-7/16	3-5/8	012410.20	288
9	.1960	2-7/16	3-5/8	012409.20	288
8	.1990	2-7/16	3-5/8	012408.20	288
7	.2010	2-7/16	3-5/8	012407.20	288
6	.2040	2-1/2	3-3/4	012406.20	288
5	.2055	2-1/2	3-3/4	012405.20	288
4	.2090	2-1/2	3-3/4	012404.20	288
3	.2130	2-1/2	3-3/4	012403.20	288
2	.2210	2-5/8	3-7/8	012402.20	288
1	.2280	2-5/8	3-7/8	012401.20	288

series continues on next page



(con't)

T3D Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
A	.2340	2-5/8	3-7/8	013401	12
B	.2380	2-3/4	4	013402	12
C	.2420	2-3/4	4	013403	12
D	.2460	2-3/4	4	013404	12
E	.2500	2-3/4	4	013405	12
F	.2570	2-7/8	4-1/8	013406	12
G	.2610	2-7/8	4-1/8	013407	12
H	.2660	2-7/8	4-1/8	013408	12
I	.2720	2-7/8	4-1/8	013409	12
J	.2770	2-7/8	4-1/8	013410	12
K	.2810	2-15/16	4-1/4	013411	12
L	.2900	2-15/16	4-1/4	013412	12
M	.2950	3-1/16	4-3/8	013413	12
N	.3020	3-1/16	4-3/8	013414	12
O	.3160	3-3/16	4-1/2	013415	6
P	.3230	3-5/16	4-5/8	013416	6
Q	.3320	3-7/16	4-3/4	013417	6
R	.3390	3-7/16	4-3/4	013418	6
S	.3480	3-1/2	4-7/8	013419	6
T	.3580	3-1/2	4-7/8	013420	6
U	.3680	3-5/8	5	013421	6
V	.3770	3-5/8	5	013422	6
W	.3860	3-3/4	5-1/8	013423	6
X	.3970	3-3/4	5-1/8	013424	6
Y	.4040	3-7/8	5-1/4	013425	6
Z	.4130	3-7/8	5-1/4	013426	6

T3D Series

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
A	.2340	2-5/8	3-7/8	013401.20	72
B	.2380	2-3/4	4	013402.20	72
C	.2420	2-3/4	4	013403.20	72
D	.2460	2-3/4	4	013404.20	72
E	.2500	2-3/4	4	013405.20	72
F	.2570	2-7/8	4-1/8	013406.20	72
G	.2610	2-7/8	4-1/8	013407.20	72
H	.2660	2-7/8	4-1/8	013408.20	72
I	.2720	2-7/8	4-1/8	013409.20	72
J	.2770	2-7/8	4-1/8	013410.20	72
K	.2810	2-15/16	4-1/4	013411.20	72
L	.2900	2-15/16	4-1/4	013412.20	72
M	.2950	3-1/16	4-3/8	013413.20	72
N	.3020	3-1/16	4-3/8	013414.20	72
O	.3160	3-3/16	4-1/2	013415.20	72
P	.3230	3-5/16	4-5/8	013416.20	72
Q	.3320	3-7/16	4-3/4	013417.20	72
R	.3390	3-7/16	4-3/4	013418.20	72
S	.3480	3-1/2	4-7/8	013419.20	72
T	.3580	3-1/2	4-7/8	013420.20	72
U	.3680	3-5/8	5	013421.20	72
V	.3770	3-5/8	5	013422.20	72
W	.3860	3-3/4	5-1/8	013423.20	72
X	.3970	3-3/4	5-1/8	013424.20	72
Y	.4040	3-7/8	5-1/4	013425.20	72
Z	.4130	3-7/8	5-1/4	013426.20	72

Corresponding Drill Sets

T19D	Metal Index	13 Piece	1/16"-1/4" by 64ths	099815
T18D	Metal Index	15 Piece	1/16"-1/2" by 32nds	099809
T180D	Metal Index	21 Piece	1/16"-3/8" by 64ths	099836
T17D	Metal Index	29 Piece	1/16"-1/2" by 64ths	099803
T123D	Metal Index	115 Piece	1/16"-1/2" by 64ths, #1-#60, A-Z	090561





118° Point, High Speed Steel, General Purpose
Black Oxide

- Black oxide finish for added lubricity
- Designed for light-to-intermediate duty applications

T1B Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/64	.0156	3/16	3/4	011201	12
1/32	.0312	1/2	1-3/8	011202	12
3/64	.0469	3/4	1-3/4	011203	12
1/16	.0625	7/8	1-7/8	011204	12
5/64	.0781	1	2	011205	12
3/32	.0938	1-1/4	2-1/4	011206	12
7/64	.1094	1-1/2	2-5/8	011207	12
1/8	.1250	1-5/8	2-3/4	011208	12
9/64	.1406	1-3/4	2-7/8	011209	12
5/32	.1562	2	3-1/8	011210	12
11/64	.1719	2-1/8	3-1/4	011211	12
3/16	.1875	2-5/16	3-1/2	011212	12
13/64	.2031	2-7/16	3-5/8	011213	12
7/32	.2188	2-1/2	3-3/4	011214	12
15/64	.2344	2-5/8	3-7/8	011215	12
1/4	.2500	2-3/4	4	011216	12
17/64	.2656	2-7/8	4-1/8	011217	12
9/32	.2812	2-15/16	4-1/4	011218	12
19/64	.2969	3-1/16	4-3/8	011219	12
5/16	.3125	3-3/16	4-1/2	011220	6
21/64	.3281	3-5/16	4-5/8	011221	6
11/32	.3438	3-7/16	4-3/4	011222	6
23/64	.3594	3-1/2	4-7/8	011223	6
3/8	.3750	3-5/8	5	011224	6
25/64	.3906	3-3/4	5-1/8	011225	6
13/32	.4062	3-7/8	5-1/4	011226	6
27/64	.4219	3-15/16	5-3/8	011227	6
7/16	.4375	4-1/16	5-1/2	011228	6
29/64	.4531	4-3/16	5-5/8	011229	6
15/32	.4688	4-5/16	5-3/4	011230	6
31/64	.4844	4-3/8	5-7/8	011231	6
1/2	.5000	4-1/2	6	011232	6

T1B Series

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/32	.0312	1/2	1-3/8	011202.20	288
3/64	.0469	3/4	1-3/4	011203.20	288
1/16	.0625	7/8	1-7/8	011204.20	288
5/64	.0781	1	2	011205.20	288
3/32	.0938	1-1/4	2-1/4	011206.20	288
7/64	.1094	1-1/2	2-5/8	011207.20	288
1/8	.1250	1-5/8	2-3/4	011208.20	288
9/64	.1406	1-3/4	2-7/8	011209.20	288
5/32	.1562	2	3-1/8	011210.20	288
11/64	.1719	2-1/8	3-1/4	011211.20	288
3/16	.1875	2-5/16	3-1/2	011212.20	288
13/64	.2031	2-7/16	3-5/8	011213.20	288
7/32	.2188	2-1/2	3-3/4	011214.20	288
15/64	.2344	2-5/8	3-7/8	011215.20	288
1/4	.2500	2-3/4	4	011216.20	288
17/64	.2656	2-7/8	4-1/8	011217.20	144
9/32	.2812	2-15/16	4-1/4	011218.20	144
19/64	.2969	3-1/16	4-3/8	011219.20	144
5/16	.3125	3-3/16	4-1/2	011220.20	144
21/64	.3281	3-5/16	4-5/8	011221.20	144
11/32	.3438	3-7/16	4-3/4	011222.20	144
23/64	.3594	3-1/2	4-7/8	011223.20	144
3/8	.3750	3-5/8	5	011224.20	144
25/64	.3906	3-3/4	5-1/8	011225.20	144
13/32	.4062	3-7/8	5-1/4	011226.20	144
27/64	.4219	3-15/16	5-3/8	011227.20	144
7/16	.4375	4-1/16	5-1/2	011228.20	144
29/64	.4531	4-3/16	5-5/8	011229.20	144
15/32	.4688	4-5/16	5-3/4	011230.20	144
31/64	.4844	4-3/8	5-7/8	011231.20	144
1/2	.5000	4-1/2	6	011232.20	144

T1B Series

Contractor Pack

1/8	.1250	1-5/8	2-3/4	011208.40	60
3/16	.1875	2-5/16	3-1/2	011212.40	24
1/4	.2500	2-3/4	4	011216.40	36
5/16	.3125	3-3/16	4-1/2	011220.40	30
3/8	.3750	3-5/8	5	011224.40	30
1/2	.5000	4-1/2	6	011232.40	18

series continues on next page



(con't)

BP1B Series

Skin Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/16	.0625	7/8	1-7/8	011304	2
5/64	.0781	1	2	011305	2
3/32	.0938	1-1/4	2-1/4	011306	2
7/64	.1094	1-1/2	2-5/8	011307	2
1/8	.1250	1-5/8	2-3/4	011308	2
9/64	.1406	1-3/4	2-7/8	011309	1
5/32	.1562	2	3-1/8	011310	1
11/64	.1719	2-1/8	3-1/4	011311	1
3/16	.1875	2-5/16	3-1/2	011312	1
13/64	.2031	2-7/16	3-5/8	011313	1
7/32	.2188	2-1/2	3-3/4	011314	1
15/64	.2344	2-5/8	3-7/8	011315	1
1/4	.2500	2-3/4	4	011316	1
17/64	.2656	2-7/8	4-1/8	011317	1
9/32	.2812	2-15/16	4-1/4	011318	1
19/64	.2969	3-1/16	4-3/8	011319	1
5/16	.3125	3-3/16	4-1/2	011320	1
21/64	.3281	3-5/16	4-5/8	011321	1
11/32	.3438	3-7/16	4-3/4	011322	1
23/64	.3594	3-1/2	4-7/8	011323	1
3/8	.3750	3-5/8	5	011324	1
25/64	.3906	3-3/4	5-1/8	011325	1
13/32	.4062	3-7/8	5-1/4	011326	1
27/64	.4219	3-15/16	5-3/8	011327	1
7/16	.4375	4-1/16	5-1/2	011328	1
29/64	.4531	4-3/16	5-5/8	011329	1
15/32	.4688	4-5/16	5-3/4	011330	1
31/64	.4844	4-3/8	5-7/8	011331	1
1/2	.5000	4-1/2	6	011332	1

T2B Series

Envelope

60	.0400	11/16	1-5/8	012260	12
59	.0410	11/16	1-5/8	012259	12
58	.0420	11/16	1-5/8	012258	12
57	.0430	3/4	1-3/4	012257	12
56	.0465	3/4	1-3/4	012256	12
55	.0520	7/8	1-7/8	012255	12
54	.0550	7/8	1-7/8	012254	12
53	.0595	7/8	1-7/8	012253	12
52	.0635	7/8	1-7/8	012252	12
51	.0670	1	2	012251	12
50	.0700	1	2	012250	12
49	.0730	1	2	012249	12
48	.0760	1	2	012248	12
47	.0785	1	2	012247	12
46	.0810	1-1/8	2-1/8	012246	12
45	.0820	1-1/8	2-1/8	012245	12
44	.0860	1-1/8	2-1/8	012244	12
43	.0890	1-1/4	2-1/4	012243	12
42	.0935	1-1/4	2-1/4	012242	12
41	.0960	1-3/8	2-3/8	012241	12
40	.0980	1-3/8	2-3/8	012240	12
39	.0995	1-3/8	2-3/8	012239	12
38	.1015	1-7/16	2-1/2	012238	12
37	.1040	1-7/16	2-1/2	012237	12
36	.1065	1-7/16	2-1/2	012236	12
35	.1100	1-1/2	2-5/8	012235	12
34	.1110	1-1/2	2-5/8	012234	12
33	.1130	1-1/2	2-5/8	012233	12
32	.1160	1-5/8	2-3/4	012232	12
31	.1200	1-5/8	2-3/4	012231	12
30	.1285	1-5/8	2-3/4	012230	12

continued in next column

T2B Series (con't)

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
29	.1360	1-3/4	2-7/8	012229	12
28	.1405	1-3/4	2-7/8	012228	12
27	.1440	1-7/8	3	012227	12
26	.1470	1-7/8	3	012226	12
25	.1495	1-7/8	3	012225	12
24	.1520	2	3-1/8	012224	12
23	.1540	2	3-1/8	012223	12
22	.1570	2	3-1/8	012222	12
21	.1590	2-1/8	3-1/4	012221	12
20	.1610	2-1/8	3-1/4	012220	12
19	.1660	2-1/8	3-1/4	012219	12
18	.1695	2-1/8	3-1/4	012218	12
17	.1730	2-3/16	3-3/8	012217	12
16	.1770	2-3/16	3-3/8	012216	12
15	.1800	2-3/16	3-3/8	012215	12
14	.1820	2-3/16	3-3/8	012214	12
13	.1850	2-5/16	3-1/2	012213	12
12	.1890	2-5/16	3-1/2	012212	12
11	.1910	2-5/16	3-1/2	012211	12
10	.1935	2-7/16	3-5/8	012210	12
9	.1960	2-7/16	3-5/8	012209	12
8	.1990	2-7/16	3-5/8	012208	12
7	.2010	2-7/16	3-5/8	012207	12
6	.2040	2-1/2	3-3/4	012206	12
5	.2055	2-1/2	3-3/4	012205	12
4	.2090	2-1/2	3-3/4	012204	12
3	.2130	2-1/2	3-3/4	012203	12
2	.2210	2-5/8	3-7/8	012202	12
1	.2280	2-5/8	3-7/8	012201	12

T2B Series

Bulk Master Pack

60	.0400	11/16	1-5/8	012260.20	288
59	.0410	11/16	1-5/8	012259.20	288
58	.0420	11/16	1-5/8	012258.20	288
57	.0430	3/4	1-3/4	012257.20	288
56	.0465	3/4	1-3/4	012256.20	288
55	.0520	7/8	1-7/8	012255.20	288
54	.0550	7/8	1-7/8	012254.20	288
53	.0595	7/8	1-7/8	012253.20	288
52	.0635	7/8	1-7/8	012252.20	288
51	.0670	1	2	012251.20	288
50	.0700	1	2	012250.20	288
49	.0730	1	2	012249.20	288
48	.0760	1	2	012248.20	288
47	.0785	1	2	012247.20	288
46	.0810	1-1/8	2-1/8	012246.20	288
45	.0820	1-1/8	2-1/8	012245.20	288
44	.0860	1-1/8	2-1/8	012244.20	288
43	.0890	1-1/4	2-1/4	012243.20	288
42	.0935	1-1/4	2-1/4	012242.20	288
41	.0960	1-3/8	2-3/8	012241.20	288
40	.0980	1-3/8	2-3/8	012240.20	288
39	.0995	1-3/8	2-3/8	012239.20	288
38	.1015	1-7/16	2-1/2	012238.20	288
37	.1040	1-7/16	2-1/2	012237.20	288
36	.1065	1-7/16	2-1/2	012236.20	288
35	.1100	1-1/2	2-5/8	012235.20	288
34	.1110	1-1/2	2-5/8	012234.20	288
33	.1130	1-1/2	2-5/8	012233.20	288
32	.1160	1-5/8	2-3/4	012232.20	288
31	.1200	1-5/8	2-3/4	012231.20	288
30	.1285	1-5/8	2-3/4	012230.20	288

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(con't)

T2B Series (con't)

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
29	.1360	1-3/4	2-7/8	012229.20	288
28	.1405	1-3/4	2-7/8	012228.20	288
27	.1440	1-7/8	3	012227.20	288
26	.1470	1-7/8	3	012226.20	288
25	.1495	1-7/8	3	012225.20	288
24	.1520	2	3-1/8	012224.20	288
23	.1540	2	3-1/8	012223.20	288
22	.1570	2	3-1/8	012222.20	288
21	.1590	2-1/8	3-1/4	012221.20	288
20	.1610	2-1/8	3-1/4	012220.20	288
19	.1660	2-1/8	3-1/4	012219.20	288
18	.1695	2-1/8	3-1/4	012218.20	288
17	.1730	2-3/16	3-3/8	012217.20	288
16	.1770	2-3/16	3-3/8	012216.20	288
15	.1800	2-3/16	3-3/8	012215.20	288
14	.1820	2-3/16	3-3/8	012214.20	288
13	.1850	2-5/16	3-1/2	012213.20	288
12	.1890	2-5/16	3-1/2	012212.20	288
11	.1910	2-5/16	3-1/2	012211.20	288
10	.1935	2-7/16	3-5/8	012210.20	288
9	.1960	2-7/16	3-5/8	012209.20	288
8	.1990	2-7/16	3-5/8	012208.20	288
7	.2010	2-7/16	3-5/8	012207.20	288
6	.2040	2-1/2	3-3/4	012206.20	288
5	.2055	2-1/2	3-3/4	012205.20	288
4	.2090	2-1/2	3-3/4	012204.20	288
3	.2130	2-1/2	3-3/4	012203.20	288
2	.2210	2-5/8	3-7/8	012202.20	288
1	.2280	2-5/8	3-7/8	012201.20	288

T3B Series

Envelope

A	.2340	2-5/8	3-7/8	013201	12
B	.2380	2-3/4	4	013202	12
C	.2420	2-3/4	4	013203	12
D	.2460	2-3/4	4	013204	12
E	.2500	2-3/4	4	013205	12
F	.2570	2-7/8	4-1/8	013206	12
G	.2610	2-7/8	4-1/8	013207	12
H	.2660	2-7/8	4-1/8	013208	12
I	.2720	2-7/8	4-1/8	013209	12
J	.2770	2-7/8	4-1/8	013210	12
K	.2810	2-15/16	4-1/4	013211	12
L	.2900	2-15/16	4-1/4	013212	12
M	.2950	3-1/16	4-3/8	013213	12
N	.3020	3-1/16	4-3/8	013214	12
O	.3160	3-3/16	4-1/2	013215	6
P	.3230	3-5/16	4-5/8	013216	6
Q	.3320	3-7/16	4-3/4	013217	6
R	.3390	3-7/16	4-3/4	013218	6
S	.3480	3-1/2	4-7/8	013219	6
T	.3580	3-1/2	4-7/8	013220	6
U	.3680	3-5/8	5	013221	6
V	.3770	3-5/8	5	013222	6
W	.3860	3-3/4	5-1/8	013223	6
X	.3970	3-3/4	5-1/8	013224	6
Y	.4040	3-7/8	5-1/4	013225	6
Z	.4130	3-7/8	5-1/4	013226	6

T3B Series

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
A	.2340	2-5/8	3-7/8	013201.20	72
B	.2380	2-3/4	4	013202.20	72
C	.2420	2-3/4	4	013203.20	72
D	.2460	2-3/4	4	013204.20	72
E	.2500	2-3/4	4	013205.20	72
F	.2570	2-7/8	4-1/8	013206.20	72
G	.2610	2-7/8	4-1/8	013207.20	72
H	.2660	2-7/8	4-1/8	013208.20	72
I	.2720	2-7/8	4-1/8	013209.20	72
J	.2770	2-7/8	4-1/8	013210.20	72
K	.2810	2-15/16	4-1/4	013211.20	72
L	.2900	2-15/16	4-1/4	013212.20	72
M	.2950	3-1/16	4-3/8	013213.20	72
N	.3020	3-1/16	4-3/8	013214.20	72
O	.3160	3-3/16	4-1/2	013215.20	72
P	.3230	3-5/16	4-5/8	013216.20	72
Q	.3320	3-7/16	4-3/4	013217.20	72
R	.3390	3-7/16	4-3/4	013218.20	72
S	.3480	3-1/2	4-7/8	013219.20	72
T	.3580	3-1/2	4-7/8	013220.20	72
U	.3680	3-5/8	5	013221.20	72
V	.3770	3-5/8	5	013222.20	72
W	.3860	3-3/4	5-1/8	013223.20	72
X	.3970	3-3/4	5-1/8	013224.20	72
Y	.4040	3-7/8	5-1/4	013225.20	72
Z	.4130	3-7/8	5-1/4	013226.20	72

Corresponding Drill Sets



MM19B	Metal Index	19 Piece	1.00 mm-10.00 mm by .5 mm	090668
MM25B	Metal Index	25 Piece	1.00 mm-13.00 mm by .5 mm	090674
SAD13B	Select-A-Drill	13 Piece	1/16"-1/4" by 64ths	099715
SAD21B	Select-A-Drill	21 Piece	1/16"-3/8" by 64ths	099720
T13B	Plastic Case	13 Piece	1/16"-1/4" by 64ths	099710
T17B	Metal Index	29 Piece	1/16"-1/2" by 64ths	099802
T18B	Metal Index	15 Piece	1/16"-1/2" by 32nds	099808
T19B	Metal Index	13 Piece	1/16"-1/4" by 64ths	099814
T22B	Metal Index	60 Piece	#1 - #60	099820
T25B	Metal Index	26 Piece	A - Z	099827
T123B	Metal Index	115 Piece	1/16"-1/2 by 64ths, #1-#60, A-Z	099832
T180B	Metal Index	21 Piece	1/16"-3/8" by 64ths	099835
T815B*	Metal Index	15 Piece	1/16"-1/2" by 32nds,	099812
T829B*	Metal Index	29 Piece	1/16"-1/2" by 64ths	099833

*3/8" Reduced Shank



118° Point, High Speed Steel, General Purpose, Bright Finish

- Designed for light-to-intermediate duty applications
- Good all around general purpose drill

T1 Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/64	.0156	3/16	3/4	011001	12
1/32	.0312	1/2	1-3/8	011002	12
3/64	.0469	3/4	1-3/4	011003	12
1/16	.0625	7/8	1-7/8	011004	12
5/64	.0781	1	2	011005	12
3/32	.0938	1-1/4	2-1/4	011006	12
7/64	.1094	1-1/2	2-5/8	011007	12
1/8	.1250	1-5/8	2-3/4	011008	12
9/64	.1406	1-3/4	2-7/8	011009	12
5/32	.1562	2	3-1/8	011010	12
11/64	.1719	2-1/8	3-1/4	011011	12
3/16	.1875	2-5/16	3-1/2	011012	12
13/64	.2031	2-7/16	3-5/8	011013	12
7/32	.2188	2-1/2	3-3/4	011014	12
15/64	.2344	2-5/8	3-7/8	011015	12
1/4	.2500	2-3/4	4	011016	12
17/64	.2656	2-7/8	4-1/8	011017	12
9/32	.2812	2-15/16	4-1/4	011018	12
19/64	.2969	3-1/16	4-3/8	011019	12
5/16	.3125	3-3/16	4-1/2	011020	6
21/64	.3281	3-5/16	4-5/8	011021	6
11/32	.3438	3-7/16	4-3/4	011022	6
23/64	.3594	3-1/2	4-7/8	011023	6
3/8	.3750	3-5/8	5	011024	6
25/64	.3906	3-3/4	5-1/8	011025	6
13/32	.4062	3-7/8	5-1/4	011026	6
27/64	.4219	3-15/16	5-3/8	011027	6
7/16	.4375	4-1/16	5-1/2	011028	6
29/64	.4531	4-3/16	5-5/8	011029	6
15/32	.4688	4-5/16	5-3/4	011030	6
31/64	.4844	4-3/8	5-7/8	011031	6
1/2	.5000	4-1/2	6	011032	6

T1 Series

Bulk Master Pack

1/32	.0312	1/2	1-3/8	011002.20	288
3/64	.0469	3/4	1-3/4	011003.20	288
1/16	.0625	7/8	1-7/8	011004.20	288
5/64	.0781	1	2	011005.20	288
3/32	.0938	1-1/4	2-1/4	011006.20	288
7/64	.1094	1-1/2	2-5/8	011007.20	288
1/8	.1250	1-5/8	2-3/4	011008.20	288
9/64	.1406	1-3/4	2-7/8	011009.20	288
5/32	.1562	2	3-1/8	011010.20	288
11/64	.1719	2-1/8	3-1/4	011011.20	288

continued in next column

T1 Series (con't)

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
3/16	.1875	2-5/16	3-1/2	011012.20	288
13/64	.2031	2-7/16	3-5/8	011013.20	288
7/32	.2188	2-1/2	3-3/4	011014.20	288
15/64	.2344	2-5/8	3-7/8	011015.20	288
1/4	.2500	2-3/4	4	011016.20	288
17/64	.2656	2-7/8	4-1/8	011017.20	144
9/32	.2812	2-15/16	4-1/4	011018.20	144
19/64	.2969	3-1/16	4-3/8	011019.20	144
5/16	.3125	3-3/16	4-1/2	011020.20	144
21/64	.3281	3-5/16	4-5/8	011021.20	144
11/32	.3438	3-7/16	4-3/4	011022.20	144
23/64	.3594	3-1/2	4-7/8	011023.20	144

BP1 Series

Skin Pack

1/16	.0625	7/8	1-7/8	011604	2
5/64	.0781	1	2	011605	2
3/32	.0938	1-1/4	2-1/4	011606	2
7/64	.1094	1-1/2	2-5/8	011607	2
1/8	.1250	1-5/8	2-3/4	011608	2
9/64	.1406	1-3/4	2-7/8	011609	1
5/32	.1562	2	3-1/8	011610	1
11/64	.1719	2-1/8	3-1/4	011611	1
3/16	.1875	2-5/16	3-1/2	011612	1
13/64	.2031	2-7/16	3-5/8	011613	1
7/32	.2188	2-1/2	3-3/4	011614	1
15/64	.2344	2-5/8	3-7/8	011615	1
1/4	.2500	2-3/4	4	011616	1
17/64	.2656	2-7/8	4-1/8	011617	1
9/32	.2812	2-15/16	4-1/4	011618	1
19/64	.2969	3-1/16	4-3/8	011619	1
5/16	.3125	3-3/16	4-1/2	011620	1
21/64	.3281	3-5/16	4-5/8	011621	1
11/32	.3438	3-7/16	4-3/4	011622	1
23/64	.3594	3-1/2	4-7/8	011623	1
3/8	.3750	3-5/8	5	011624	1
25/64	.3906	3-3/4	5-1/8	011625	1
13/32	.4062	3-7/8	5-1/4	011626	1
27/64	.4219	3-15/16	5-3/8	011627	1
7/16	.4375	4-1/16	5-1/2	011628	1
29/64	.4531	4-3/16	5-5/8	011629	1
15/32	.4688	4-5/16	5-3/4	011630	1
31/64	.4844	4-3/8	5-7/8	011631	1
1/2	.5000	4-1/2	6	011632	1

Please Refer to the Material Application Guide on Page 3



(con't)

T2 Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
80	.0135	1/8	3/4	012080	12
79	.0145	1/8	3/4	012079	12
78	.0160	3/16	7/8	012078	12
77	.0180	3/16	7/8	012077	12
76	.0200	3/16	7/8	012076	12
75	.0210	1/4	1	012075	12
74	.0225	1/4	1	012074	12
73	.0240	5/16	1-1/8	012073	12
72	.0250	5/16	1-1/8	012072	12
71	.0260	3/8	1-1/4	012071	12
70	.0280	3/8	1-1/4	012070	12
69	.0292	1/2	1-3/8	012069	12
68	.0310	1/2	1-3/8	012068	12
67	.0320	1/2	1-3/8	012067	12
66	.0330	1/2	1-3/8	012066	12
65	.0350	5/8	1-1/2	012065	12
64	.0360	5/8	1-1/2	012064	12
63	.0370	5/8	1-1/2	012063	12
62	.0380	5/8	1-1/2	012062	12
61	.0390	11/16	1-5/8	012061	12
60	.0400	11/16	1-5/8	012060	12
59	.0410	11/16	1-5/8	012059	12
58	.0420	11/16	1-5/8	012058	12
57	.0430	3/4	1-3/4	012057	12
56	.0465	3/4	1-3/4	012056	12
55	.0520	7/8	1-7/8	012055	12
54	.0550	7/8	1-7/8	012054	12
53	.0595	7/8	1-7/8	012053	12
52	.0635	7/8	1-7/8	012052	12
51	.0670	1	2	012051	12
50	.0700	1	2	012050	12
49	.0730	1	2	012049	12
48	.0760	1	2	012048	12
47	.0785	1	2	012047	12
46	.0810	1-1/8	2-1/8	012046	12
45	.0820	1-1/8	2-1/8	012045	12
44	.0860	1-1/8	2-1/8	012044	12
43	.0890	1-1/4	2-1/4	012043	12
42	.0935	1-1/4	2-1/4	012042	12
41	.0960	1-3/8	2-3/8	012041	12
40	.0980	1-3/8	2-3/8	012040	12
39	.0995	1-3/8	2-3/8	012039	12
38	.1015	1-7/16	2-1/2	012038	12
37	.1040	1-7/16	2-1/2	012037	12
36	.1065	1-7/16	2-1/2	012036	12
35	.1100	1-1/2	2-5/8	012035	12
34	.1110	1-1/2	2-5/8	012034	12
33	.1130	1-1/2	2-5/8	012033	12
32	.1160	1-5/8	2-3/4	012032	12
31	.1200	1-5/8	2-3/4	012031	12
30	.1285	1-5/8	2-3/4	012030	12
29	.1360	1-3/4	2-7/8	012029	12
28	.1405	1-3/4	2-7/8	012028	12
27	.1440	1-7/8	3	012027	12
26	.1470	1-7/8	3	012026	12
25	.1495	1-7/8	3	012025	12
24	.1520	2	3-1/8	012024	12
23	.1540	2	3-1/8	012023	12
22	.1570	2	3-1/8	012022	12
21	.1590	2-1/8	3-1/4	012021	12

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T2 Series (con't)

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
20	.1610	2-1/8	3-1/4	012020	12
19	.1660	2-1/8	3-1/4	012019	12
18	.1695	2-1/8	3-1/4	012018	12
17	.1730	2-3/16	3-3/8	012017	12
16	.1770	2-3/16	3-3/8	012016	12
15	.1800	2-3/16	3-3/8	012015	12
14	.1820	2-3/16	3-3/8	012014	12
13	.1850	2-5/16	3-1/2	012013	12
12	.1890	2-5/16	3-1/2	012012	12
11	.1910	2-5/16	3-1/2	012011	12
10	.1935	2-7/16	3-5/8	012010	12
9	.1960	2-7/16	3-5/8	012009	12
8	.1990	2-7/16	3-5/8	012008	12
7	.2010	2-7/16	3-5/8	012007	12
6	.2040	2-1/2	3-3/4	012006	12
5	.2055	2-1/2	3-3/4	012005	12
4	.2090	2-1/2	3-3/4	012004	12
3	.2130	2-1/2	3-3/4	012003	12
2	.2210	2-5/8	3-7/8	012002	12
1	.2280	2-5/8	3-7/8	012001	12

T2 Series

Bulk Master Pack

80	.0135	1/8	3/4	012080.20	288
79	.0145	1/8	3/4	012079.20	288
78	.0160	3/16	7/8	012078.20	288
77	.0180	3/16	7/8	012077.20	288
76	.0200	3/16	7/8	012076.20	288
75	.0210	1/4	1	012075.20	288
74	.0225	1/4	1	012074.20	288
73	.0240	5/16	1-1/8	012073.20	288
72	.0250	5/16	1-1/8	012072.20	288
71	.0260	3/8	1-1/4	012071.20	288
70	.0280	3/8	1-1/4	012070.20	288
69	.0292	1/2	1-3/8	012069.20	288
68	.0310	1/2	1-3/8	012068.20	288
67	.0320	1/2	1-3/8	012067.20	288
66	.0330	1/2	1-3/8	012066.20	288
65	.0350	5/8	1-1/2	012065.20	288
64	.0360	5/8	1-1/2	012064.20	288
63	.0370	5/8	1-1/2	012063.20	288
62	.0380	5/8	1-1/2	012062.20	288
61	.0390	11/16	1-5/8	012061.20	288
60	.0400	11/16	1-5/8	012060.20	288
59	.0410	11/16	1-5/8	012059.20	288
58	.0420	11/16	1-5/8	012058.20	288
57	.0430	3/4	1-3/4	012057.20	288
56	.0465	3/4	1-3/4	012056.20	288
55	.0520	7/8	1-7/8	012055.20	288
54	.0550	7/8	1-7/8	012054.20	288
53	.0595	7/8	1-7/8	012053.20	288
52	.0635	7/8	1-7/8	012052.20	288
51	.0670	1	2	012051.20	288
50	.0700	1	2	012050.20	288
49	.0730	1	2	012049.20	288
48	.0760	1	2	012048.20	288
47	.0785	1	2	012047.20	288
46	.0810	1-1/8	2-1/8	012046.20	288
45	.0820	1-1/8	2-1/8	012045.20	288
44	.0860	1-1/8	2-1/8	012044.20	288

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(con't)

T2 Series (con't)

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Bulk Stock#	Pkg Qty
43	.0890	1-1/4	2-1/4	012043.20	288
42	.0935	1-1/4	2-1/4	012042.20	288
41	.0960	1-3/8	2-3/8	012041.20	288
40	.0980	1-3/8	2-3/8	012040.20	288
39	.0995	1-3/8	2-3/8	012039.20	288
38	.1015	1-7/16	2-1/2	012038.20	288
37	.1040	1-7/16	2-1/2	012037.20	288
36	.1065	1-7/16	2-1/2	012036.20	288
35	.1100	1-1/2	2-5/8	012035.20	288
34	.1110	1-1/2	2-5/8	012034.20	288
33	.1130	1-1/2	2-5/8	012033.20	288
32	.1160	1-5/8	2-3/4	012032.20	288
31	.1200	1-5/8	2-3/4	012031.20	288
30	.1285	1-5/8	2-3/4	012030.20	288
29	.1360	1-3/4	2-7/8	012029.20	288
28	.1405	1-3/4	2-7/8	012028.20	288
27	.1440	1-7/8	3	012027.20	288
26	.1470	1-7/8	3	012026.20	288
25	.1495	1-7/8	3	012025.20	288
24	.1520	2	3-1/8	012024.20	288
23	.1540	2	3-1/8	012023.20	288
22	.1570	2	3-1/8	012022.20	288
21	.1590	2-1/8	3-1/4	012021.20	288
20	.1610	2-1/8	3-1/4	012020.20	288
19	.1660	2-1/8	3-1/4	012019.20	288
18	.1695	2-1/8	3-1/4	012018.20	288
17	.1730	2-3/16	3-3/8	012017.20	288
16	.1770	2-3/16	3-3/8	012016.20	288
15	.1800	2-3/16	3-3/8	012015.20	288
14	.1820	2-3/16	3-3/8	012014.20	288
13	.1850	2-5/16	3-1/2	012013.20	288
12	.1890	2-5/16	3-1/2	012012.20	288
11	.1910	2-5/16	3-1/2	012011.20	288
10	.1935	2-7/16	3-5/8	012010.20	288
9	.1960	2-7/16	3-5/8	012009.20	288
8	.1990	2-7/16	3-5/8	012008.20	288
7	.2010	2-7/16	3-5/8	012007.20	288
6	.2040	2-1/2	3-3/4	012006.20	288
5	.2055	2-1/2	3-3/4	012005.20	288
4	.2090	2-1/2	3-3/4	012004.20	288
3	.2130	2-1/2	3-3/4	012003.20	288
2	.2210	2-5/8	3-7/8	012002.20	288
1	.2280	2-5/8	3-7/8	012001.20	288

T3 Series (con't)

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Bulk Stock#	Pkg Qty
A	.2340	2-5/8	3-7/8	013001	12
B	.2380	2-3/4	4	013002	12
C	.2420	2-3/4	4	013003	12
D	.2460	2-3/4	4	013004	12
E	.2500	2-3/4	4	013005	12
F	.2570	2-7/8	4-1/8	013006	12
G	.2610	2-7/8	4-1/8	013007	12
H	.2660	2-7/8	4-1/8	013008	12
I	.2720	2-7/8	4-1/8	013009	12
J	.2770	2-7/8	4-1/8	013010	12
K	.2810	2-15/16	4-1/4	013011	12
L	.2900	2-15/16	4-1/4	013012	12
M	.2950	3-1/16	4-3/8	013013	12
N	.3020	3-1/16	4-3/8	013014	12
O	.3160	3-3/16	4-1/2	013015	6
P	.3230	3-5/16	4-5/8	013016	6
Q	.3320	3-7/16	4-3/4	013017	6
R	.3390	3-7/16	4-3/4	013018	6
S	.3480	3-1/2	4-7/8	013019	6
T	.3580	3-1/2	4-7/8	013020	6
U	.3680	3-5/8	5	013021	6
V	.3770	3-5/8	5	013022	6
W	.3860	3-3/4	5-1/8	013023	6
X	.3970	3-3/4	5-1/8	013024	6
Y	.4040	3-7/8	5-1/4	013025	6
Z	.4130	3-7/8	5-1/4	013026	6

T3 Series

Bulk Master Pack

A	.2340	2-5/8	3-7/8	013001.20	72
B	.2380	2-3/4	4	013002.20	72
C	.2420	2-3/4	4	013003.20	72
D	.2460	2-3/4	4	013004.20	72
E	.2500	2-3/4	4	013005.20	72
F	.2570	2-7/8	4-1/8	013006.20	72
G	.2610	2-7/8	4-1/8	013007.20	72
H	.2660	2-7/8	4-1/8	013008.20	72
I	.2720	2-7/8	4-1/8	013009.20	72
J	.2770	2-7/8	4-1/8	013010.20	72
K	.2810	2-15/16	4-1/4	013011.20	72
L	.2900	2-15/16	4-1/4	013012.20	72
M	.2950	3-1/16	4-3/8	013013.20	72
N	.3020	3-1/16	4-3/8	013014.20	72
O	.3160	3-3/16	4-1/2	013015.20	72
P	.3230	3-5/16	4-5/8	013016.20	72
Q	.3320	3-7/16	4-3/4	013017.20	72
R	.3390	3-7/16	4-3/4	013018.20	72
S	.3480	3-1/2	4-7/8	013019.20	72
T	.3580	3-1/2	4-7/8	013020.20	72
U	.3680	3-5/8	5	013021.20	72
V	.3770	3-5/8	5	013022.20	72
W	.3860	3-3/4	5-1/8	013023.20	72
X	.3970	3-3/4	5-1/8	013024.20	72
Y	.4040	3-7/8	5-1/4	013025.20	72
Z	.4130	3-7/8	5-1/4	013026.20	72



(con't)

MM1 Series (ANSI)

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1.00	.0394	17	41	013910	12
1.20	.0472	22	48	013912	12
1.50	.0591	22	48	013915	12
2.00	.0787	25	51	013920	12
2.50	.0984	35	60	013925	12
3.00	.1181	41	70	013930	12
3.30	.1299	44	73	013933	12
3.50	.1378	44	73	013935	12
4.00	.1575	54	83	013940	12
4.20	.1654	54	83	013942	12
4.50	.1772	56	86	013945	12
5.00	.1969	62	92	013950	12
5.10	.2008	62	92	013951	12
5.30	.2087	64	95	013953	12
5.50	.2165	64	95	013955	12
6.00	.2362	70	102	013960	12
6.50	.2559	73	105	013965	12
6.90	.2717	73	105	013969	6
7.00	.2756	73	105	013970	6
7.20	.2835	75	108	013972	6
7.50	.2953	78	111	013975	6
8.00	.3150	81	114	013980	6
8.30	.3268	84	117	013983	6
8.50	.3346	87	121	013985	6
9.00	.3543	89	124	013990	6
10.00	.3937	95	130	013800	6
10.50	.4134	98	133	013805	6
11.00	.4331	103	140	013810	6
11.50	.4528	106	143	013811	6
12.00	.4724	111	149	013812	6
12.50	.4921	114	152	013813	6
13.00	.5118	114	152	013814	Tube

MM1 Series (ANSI)

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1.00	.0394	17	41	013910.20	72
1.20	.0472	22	48	013912.20	72
1.50	.0591	22	48	013915.20	72
2.00	.0787	25	51	013920.20	72
2.50	.0984	35	60	013925.20	72
3.00	.1181	41	70	013930.20	72
3.30	.1299	44	73	013933.20	72
3.50	.1378	44	73	013935.20	72
4.00	.1575	54	83	013940.20	72
4.20	.1654	54	83	013942.20	72
4.50	.1772	56	86	013945.20	72
5.00	.1969	62	92	013950.20	72
5.10	.2008	62	92	013951.20	72
5.30	.2087	64	95	013953.20	72
5.50	.2165	64	95	013955.20	72
6.00	.2362	70	102	013960.20	72
6.50	.2559	73	105	013965.20	72
6.90	.2717	73	105	013969.20	72
7.00	.2756	73	105	013970.20	72
7.20	.2835	75	108	013972.20	72
7.50	.2953	78	111	013975.20	72
8.00	.3150	81	114	013980.20	72
8.30	.3268	84	117	013983.20	72
8.50	.3346	87	121	013985.20	72
9.00	.3543	89	124	013990.20	72
9.50	.3740	92	127	013995.20	72
10.00	.3937	95	130	013800.20	72
10.50	.4134	98	133	013805.20	72
11.00	.4331	103	140	013810.20	72
11.50	.4528	106	143	013811.20	72
12.00	.4724	111	149	013812.20	72
12.50	.4921	114	152	013813.20	72
13.00	.5118	114	152	013814.20	72

Corresponding Drill Sets

MM123	Metal Index	114 Piece	1/16"-1/2" by 64ths, 1-13 mm by .5 mm, A-Z	090679
SAD13	Select-A-Drill	13 Piece	1/16"-1/4" by 64ths	090490
SAD21	Select-A-Drill	21 Piece	1/16"-3/8" by 64ths	090491
T10P	Plastic Case	10 Piece	(1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16, 7/32", 1/4")	090610
T13P	Plastic Case	13 Piece	(1/16"-1/4" by 64ths	090613
T14P*	Plastic Case	14 Piece	1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32, 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2")	090614
T17	Metal Index	29 Piece	1/16"-1/2" by 64ths	090517
T18	Metal Index	15 Piece	1/16"-1/2" by 32nds	090518
T19	Metal Index	13 Piece	1/16"-1/4" by 64ths	090519
T22	Metal Index	60 Piece	#1-#60	090522
T23	Metal Index	20 Piece	#61-#80	090523
T180	Metal Index	21 Piece	1/16"-3/8" by 64ths	090580
T123	Metal Index	115 Piece	1/16"-1/2" by 64ths, #1-#60, A-Z	090560
T815	Metal Index	15 Piece	1/16"-1/2" by 32nds, with 3/8" reduced shank	090815
T829	Metal Index	29 Piece	1/16"-1/2" by 64ths, with 3/8" reduced shank	090829

*Sizes over 1/4" have 1/4" reduced shank





TRIUMPH TWIST DRILL

Jobber Length Drills



135° Split Point, High Speed Steel, Cobalt, Bronze Oxide

- Heavy-duty construction
- Designed for difficult to drill alloy applications

T1C Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/16	.0625	7/8	1-7/8	011504	12
5/64	.0781	1	2	011505	12
3/32	.0938	1-1/4	2-1/4	011506	12
7/64	.1094	1-1/2	2-5/8	011507	12
1/8	.1250	1-5/8	2-3/4	011508	12
9/64	.1406	1-3/4	2-7/8	011509	12
5/32	.1562	2	3-1/8	011510	12
11/64	.1719	2-1/8	3-1/4	011511	12
3/16	.1875	2-5/16	3-1/2	011512	12
13/64	.2031	2-7/16	3-5/8	011513	12
7/32	.2188	2-1/2	3-3/4	011514	12
15/64	.2344	2-5/8	3-7/8	011515	12
1/4	.2500	2-3/4	4	011516	12
17/64	.2656	2-7/8	4-1/8	011517	12
9/32	.2812	2-15/16	4-1/4	011518	12
19/64	.2969	3-1/16	4-3/8	011519	12
5/16	.3125	3-3/16	4-1/2	011520	6
21/64	.3281	3-5/16	4-5/8	011521	6
11/32	.3438	3-7/16	4-3/4	011522	6
23/64	.3594	3-1/2	4-7/8	011523	6
3/8	.3750	3-5/8	5	011524	6
25/64	.3906	3-3/4	5-1/8	011525	6
13/32	.4062	3-7/8	5-1/4	011526	6
27/64	.4219	3-15/16	5-3/8	011527	6
7/16	.4375	4-1/16	5-1/2	011528	6
29/64	.4531	4-3/16	5-5/8	011529	6
15/32	.4688	4-5/16	5-3/4	011530	6
31/64	.4844	4-3/8	5-7/8	011531	6
1/2	.5000	4-1/2	6	011532	6

T1C Series

Bulk Master Pack

1/16	.0625	7/8	1-7/8	011504.20	288
5/64	.0781	1	2	011505.20	288
3/32	.0938	1-1/4	2-1/4	011506.20	288
7/64	.1094	1-1/2	2-5/8	011507.20	288
1/8	.1250	1-5/8	2-3/4	011508.20	288
9/64	.1406	1-3/4	2-7/8	011509.20	288
5/32	.1562	2	3-1/8	011510.20	288
11/64	.1719	2-1/8	3-1/4	011511.20	288
3/16	.1875	2-5/16	3-1/2	011512.20	288
13/64	.2031	2-7/16	3-5/8	011513.20	288
7/32	.2188	2-1/2	3-3/4	011514.20	288
15/64	.2344	2-5/8	3-7/8	011515.20	288

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T1C Series (con't)

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/4	.2500	2-3/4	4	011516.20	288
17/64	.2656	2-7/8	4-1/8	011517.20	144
9/32	.2812	2-15/16	4-1/4	011518.20	144
19/64	.2969	3-1/16	4-3/8	011519.20	144
5/16	.3125	3-3/16	4-1/2	011520.20	144
21/64	.3281	3-5/16	4-5/8	011521.20	144
11/32	.3438	3-7/16	4-3/4	011522.20	144
23/64	.3594	3-1/2	4-7/8	011523.20	144
3/8	.3750	3-5/8	5	011524.20	144
25/64	.3906	3-3/4	5-1/8	011525.20	144
13/32	.4062	3-7/8	5-1/4	011526.20	144
27/64	.4219	3-15/16	5-3/8	011527.20	144
7/16	.4375	4-1/16	5-1/2	011528.20	144
29/64	.4531	4-3/16	5-5/8	011529.20	144
15/32	.4688	4-5/16	5-3/4	011530.20	144
31/64	.4844	4-3/8	5-7/8	011531.20	144
1/2	.5000	4-1/2	6	011532.20	144

BP1C Series

Skin Pack

1/16	.0625	7/8	1-7/8	014204	1
5/64	.0781	1	2	014205	1
3/32	.0938	1-1/4	2-1/4	014206	1
7/64	.1094	1-1/2	2-5/8	014207	1
1/8	.1250	1-5/8	2-3/4	014208	1
9/64	.1406	1-3/4	2-7/8	014209	1
5/32	.1562	2	3-1/8	014210	1
11/64	.1719	2-1/8	3-1/4	014211	1
3/16	.1875	2-5/16	3-1/2	014212	1
13/64	.2031	2-7/16	3-5/8	014213	1
7/32	.2188	2-1/2	3-3/4	014214	1
15/64	.2344	2-5/8	3-7/8	014215	1
1/4	.2500	2-3/4	4	014216	1
17/64	.2656	2-7/8	4-1/8	014217	1
9/32	.2812	2-15/16	4-1/4	014218	1
19/64	.2969	3-1/16	4-3/8	014219	1
5/16	.3125	3-3/16	4-1/2	014220	1
21/64	.3281	3-5/16	4-5/8	014221	1
11/32	.3438	3-7/16	4-3/4	014222	1
23/64	.3594	3-1/2	4-7/8	014223	1
3/8	.3750	3-5/8	5	014224	1
25/64	.3906	3-3/4	5-1/8	014225	1
13/32	.4062	3-7/8	5-1/4	014226	1
27/64	.4219	3-15/16	5-3/8	014227	1
7/16	.4375	4-1/16	5-1/2	014228	1
29/64	.4531	4-3/16	5-5/8	014229	1
15/32	.4688	4-5/16	5-3/4	014230	1
31/64	.4844	4-3/8	5-7/8	014231	1
1/2	.5000	4-1/2	6	014232	1



Corresponding Drill Sets

T19C	Metal Index	13 Piece	1/16"-1/4" by 64ths	099823
T18C	Metal Index	15 Piece	1/16"-1/2" by 32nds	099826
T180C	Metal Index	21 Piece	1/16"-3/8" by 64ths	099825
T17C	Metal Index	29 Piece	1/16"-1/2" by 64ths	099822
T123C	Metal Index	115 Piece	1/16"-1/2" by 64ths, #1-#60, A-Z	099831
T829C	Metal Index	29 Piece	1/16"-1/2" by 64ths, 3/8" Reduced Shank	099100

Please Refer to the Material Application Guide on Page 3



(con't)

T2C Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
60	.0400	11/16	1-5/8	011760	12
59	.0410	11/16	1-5/8	011759	12
58	.0420	11/16	1-5/8	011758	12
57	.0430	3/4	1-3/4	011757	12
56	.0465	3/4	1-3/4	011756	12
55	.0520	7/8	1-7/8	011755	12
54	.0550	7/8	1-7/8	011754	12
53	.0595	7/8	1-7/8	011753	12
52	.0635	7/8	1-7/8	011752	12
51	.0670	1	2	011751	12
50	.0700	1	2	011750	12
49	.0730	1	2	011749	12
48	.0760	1	2	011748	12
47	.0785	1	2	011747	12
46	.0810	1-1/8	2-1/8	011746	12
45	.0820	1-1/8	2-1/8	011745	12
44	.0860	1-1/8	2-1/8	011744	12
43	.0890	1-1/4	2-1/4	011743	12
42	.0935	1-1/4	2-1/4	011742	12
41	.0960	1-3/8	2-3/8	011741	12
40	.0980	1-3/8	2-3/8	011740	12
39	.0995	1-3/8	2-3/8	011739	12
38	.1015	1-7/16	2-1/2	011738	12
37	.1040	1-7/16	2-1/2	011737	12
36	.1065	1-7/16	2-1/2	011736	12
35	.1100	1-1/2	2-5/8	011735	12
34	.1110	1-1/2	2-5/8	011734	12
33	.1130	1-1/2	2-5/8	011733	12
32	.1160	1-5/8	2-3/4	011732	12
31	.1200	1-5/8	2-3/4	011731	12
30	.1285	1-5/8	2-3/4	011730	12
29	.1360	1-3/4	2-7/8	011729	12
28	.1405	1-3/4	2-7/8	011728	12
27	.1440	1-7/8	3	011727	12
26	.1470	1-7/8	3	011726	12
25	.1495	1-7/8	3	011725	12
24	.1520	2	3-1/8	011724	12
23	.1540	2	3-1/8	011723	12
22	.1570	2	3-1/8	011722	12
21	.1590	2-1/8	3-1/4	011721	12
20	.1610	2-1/8	3-1/4	011720	12
19	.1660	2-1/8	3-1/4	011719	12
18	.1695	2-1/8	3-1/4	011718	12
17	.1730	2-3/16	3-3/8	011717	12
16	.1770	2-3/16	3-3/8	011716	12
15	.1800	2-3/16	3-3/8	011715	12
14	.1820	2-3/16	3-3/8	011714	12
13	.1850	2-5/16	3-1/2	011713	12
12	.1890	2-5/16	3-1/2	011712	12
11	.1910	2-5/16	3-1/2	011711	12
10	.1935	2-7/16	3-5/8	011710	12
9	.1960	2-7/16	3-5/8	011709	12
8	.1990	2-7/16	3-5/8	011708	12
7	.2010	2-7/16	3-5/8	011707	12
6	.2040	2-1/2	3-3/4	011706	12
5	.2055	2-1/2	3-3/4	011705	12
4	.2090	2-1/2	3-3/4	011704	12
3	.2130	2-1/2	3-3/4	011703	12
2	.2210	2-5/8	3-7/8	011702	12
1	.2280	2-5/8	3-7/8	011701	12

T2C Series

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
60	.0400	11/16	1-5/8	011760.20	288
59	.0410	11/16	1-5/8	011759.20	288
58	.0420	11/16	1-5/8	011758.20	288
57	.0430	3/4	1-3/4	011757.20	288
56	.0465	3/4	1-3/4	011756.20	288
55	.0520	7/8	1-7/8	011755.20	288
54	.0550	7/8	1-7/8	011754.20	288
53	.0595	7/8	1-7/8	011753.20	288
52	.0635	7/8	1-7/8	011752.20	288
51	.0670	1	2	011751.20	288
50	.0700	1	2	011750.20	288
49	.0730	1	2	011749.20	288
48	.0760	1	2	011748.20	288
47	.0785	1	2	011747.20	288
46	.0810	1-1/8	2-1/8	011746.20	288
45	.0820	1-1/8	2-1/8	011745.20	288
44	.0860	1-1/8	2-1/8	011744.20	288
43	.0890	1-1/4	2-1/4	011743.20	288
42	.0935	1-1/4	2-1/4	011742.20	288
41	.0960	1-3/8	2-3/8	011741.20	288
40	.0980	1-3/8	2-3/8	011740.20	288
39	.0995	1-3/8	2-3/8	011739.20	288
38	.1015	1-7/16	2-1/2	011738.20	288
37	.1040	1-7/16	2-1/2	011737.20	288
36	.1065	1-7/16	2-1/2	011736.20	288
35	.1100	1-1/2	2-5/8	011735.20	288
34	.1110	1-1/2	2-5/8	011734.20	288
33	.1130	1-1/2	2-5/8	011733.20	288
32	.1160	1-5/8	2-3/4	011732.20	288
31	.1200	1-5/8	2-3/4	011731.20	288
30	.1285	1-5/8	2-3/4	011730.20	288
29	.1360	1-3/4	2-7/8	011729.20	288
28	.1405	1-3/4	2-7/8	011728.20	288
27	.1440	1-7/8	3	011727.20	288
26	.1470	1-7/8	3	011726.20	288
25	.1495	1-7/8	3	011725.20	288
24	.1520	2	3-1/8	011724.20	288
23	.1540	2	3-1/8	011723.20	288
22	.1570	2	3-1/8	011722.20	288
21	.1590	2-1/8	3-1/4	011721.20	288
20	.1610	2-1/8	3-1/4	011720.20	288
19	.1660	2-1/8	3-1/4	011719.20	288
18	.1695	2-1/8	3-1/4	011718.20	288
17	.1730	2-3/16	3-3/8	011717.20	288
16	.1770	2-3/16	3-3/8	011716.20	288
15	.1800	2-3/16	3-3/8	011715.20	288
14	.1820	2-3/16	3-3/8	011714.20	288
13	.1850	2-5/16	3-1/2	011713.20	288
12	.1890	2-5/16	3-1/2	011712.20	288
11	.1910	2-5/16	3-1/2	011711.20	288
10	.1935	2-7/16	3-5/8	011710.20	288
9	.1960	2-7/16	3-5/8	011709.20	288
8	.1990	2-7/16	3-5/8	011708.20	288
7	.2010	2-7/16	3-5/8	011707.20	288
6	.2040	2-1/2	3-3/4	011706.20	288
5	.2055	2-1/2	3-3/4	011705.20	288
4	.2090	2-1/2	3-3/4	011704.20	288
3	.2130	2-1/2	3-3/4	011703.20	288
2	.2210	2-5/8	3-7/8	011702.20	288
1	.2280	2-5/8	3-7/8	011701.20	288

Jobber Length Drills



118° Point, High Speed Steel, Left Hand
Bright Finish

- Premium grade steel
- Designed for light to intermediate duty applications

T1L Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/16	.0625	7/8	1-7/8	011104	12
5/64	.0781	1	2	011105	12
3/32	.0938	1-1/4	2-1/4	011106	12
7/64	.1094	1-1/2	2-5/8	011107	12
1/8	.1250	1-5/8	2-3/4	011108	12
9/64	.1406	1-3/4	2-7/8	011109	12
5/32	.1562	2	3-1/8	011110	12
11/64	.1719	2-1/8	3-1/4	011111	12
3/16	.1875	2-5/16	3-1/2	011112	12
13/64	.2031	2-7/16	3-5/8	011113	12
7/32	.2188	2-1/2	3-3/4	011114	12
15/64	.2344	2-5/8	3-7/8	011115	12
1/4	.2500	2-3/4	4	011116	12
17/64	.2656	2-7/8	4-1/8	011117	12
9/32	.2812	2-15/16	4-1/4	011118	12
19/64	.2969	3-1/16	4-3/8	011119	12
5/16	.3125	3-3/16	4-1/2	011120	6
21/64	.3281	3-5/16	4-5/8	011121	6
11/32	.3438	3-7/16	4-3/4	011122	6
23/64	.3594	3-1/2	4-7/8	011123	6
3/8	.3750	3-5/8	5	011124	6
25/64	.3906	3-3/4	5-1/8	011125	6
13/32	.4062	3-7/8	5-1/4	011126	6
27/64	.4219	3-15/16	5-3/8	011127	6
7/16	.4375	4-1/16	5-1/2	011128	6
29/64	.4531	4-3/16	5-5/8	011129	6
15/32	.4688	4-5/16	5-3/4	011130	6
31/64	.4844	4-3/8	5-7/8	011131	6
1/2	.5000	4-1/2	6	011132	6

T1L Series

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/16	.0625	7/8	1-7/8	011104.20	288
5/64	.0781	1	2	011105.20	288
3/32	.0938	1-1/4	2-1/4	011106.20	288
7/64	.1094	1-1/2	2-5/8	011107.20	288
1/8	.1250	1-5/8	2-3/4	011108.20	288
9/64	.1406	1-3/4	2-7/8	011109.20	288
5/32	.1562	2	3-1/8	011110.20	288
11/64	.1719	2-1/8	3-1/4	011111.20	288
3/16	.1875	2-5/16	3-1/2	011112.20	288
13/64	.2031	2-7/16	3-5/8	011113.20	288
7/32	.2188	2-1/2	3-3/4	011114.20	288
15/64	.2344	2-5/8	3-7/8	011115.20	288
1/4	.2500	2-3/4	4	011116.20	288
17/64	.2656	2-7/8	4-1/8	011117.20	144
9/32	.2812	2-15/16	4-1/4	011118.20	144
19/64	.2969	3-1/16	4-3/8	011119.20	144
5/16	.3125	3-3/16	4-1/2	011120.20	144
21/64	.3281	3-5/16	4-5/8	011121.20	144
11/32	.3438	3-7/16	4-3/4	011122.20	144
23/64	.3594	3-1/2	4-7/8	011123.20	144
3/8	.3750	3-5/8	5	011124.20	144
25/64	.3906	3-3/4	5-1/8	011125.20	144
13/32	.4062	3-7/8	5-1/4	011126.20	144
27/64	.4219	3-15/16	5-3/8	011127.20	144
7/16	.4375	4-1/16	5-1/2	011128.20	144
29/64	.4531	4-3/16	5-5/8	011129.20	144
15/32	.4688	4-5/16	5-3/4	011130.20	144
31/64	.4844	4-3/8	5-7/8	011131.20	144
1/2	.5000	4-1/2	6	011132.20	144

Corresponding Drill Set

T17L	Metal Index	29 Piece, 1/16”-1/2” by 64ths	011199



Please Refer to the Material Application Guide on Page 3



THUNDERBIT®

High Performance, 135° Split Point, High Speed Steel, Black & Bronze Oxide

- Premium grade steel
- Short length and heavy-duty construction provides additional strength
- Unique flute design for superior material removal

See Page 4 to learn about the additional benefits of the **ThunderBit®** drill construction

T4HD Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/16	.0625	5/8	1-5/8	060404	12
5/64	.0781	11/16	1-11/16	060405	12
3/32	.0938	3/4	1-3/4	060406	12
7/64	.1094	13/16	1-13/16	060407	12
1/8	.1250	7/8	1-7/8	060408	12
9/64	.1406	15/16	1-15/16	060409	12
5/32	.1562	1	2-1/16	060410	12
11/64	.1719	1-1/16	2-1/8	060411	12
3/16	.1875	1-1/8	2-3/16	060412	12
13/64	.2031	1-3/16	2-1/4	060413	12
7/32	.2188	1-1/4	2-3/8	060414	12
15/64	.2344	1-5/16	2-7/16	060415	12
1/4	.2500	1-3/8	2-1/2	060416	12
17/64	.2656	1-7/16	2-5/8	060417	12
9/32	.2812	1-1/2	2-11/16	060418	12
19/64	.2969	1-9/16	2-3/4	060419	12
5/16	.3125	1-5/8	2-13/16	060420	6
21/64	.3281	1-11/16	2-15/16	060421	6
11/32	.3438	1-11/16	3	060422	6
23/64	.3594	1-3/4	3-1/16	060423	6
3/8	.3750	1-13/16	3-1/8	060424	6
25/64	.3906	1-7/8	3-1/4	060425	6
13/32	.4062	1-15/16	3-5/16	060426	6
27/64	.4219	2	3-3/8	060427	6
7/16	.4375	2-1/16	3-7/16	060428	6
29/64	.4531	2-1/8	3-9/16	060429	6
15/32	.4688	2-1/8	3-5/8	060430	6
31/64	.4844	2-3/16	3-11/16	060431	6
1/2	.5000	2-1/4	3-3/4	060432	6

T4HD Series

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/16	.0625	5/8	1-5/8	060404.20	288
5/64	.0781	11/16	1-11/16	060405.20	288
3/32	.0938	3/4	1-3/4	060406.20	288
7/64	.1094	13/16	1-13/16	060407.20	288
1/8	.1250	7/8	1-7/8	060408.20	288
9/64	.1406	15/16	1-15/16	060409.20	288
5/32	.1562	1	2-1/16	060410.20	288
11/64	.1719	1-1/16	2-1/8	060411.20	288
3/16	.1875	1-1/8	2-3/16	060412.20	288
13/64	.2031	1-3/16	2-1/4	060413.20	288
7/32	.2188	1-1/4	2-3/8	060414.20	288
15/64	.2344	1-5/16	2-7/16	060415.20	288
1/4	.2500	1-3/8	2-1/2	060416.20	288
17/64	.2656	1-7/16	2-5/8	060417.20	72
9/32	.2812	1-1/2	2-11/16	060418.20	72
19/64	.2969	1-9/16	2-3/4	060419.20	72
5/16	.3125	1-5/8	2-13/16	060420.20	72
21/64	.3281	1-11/16	2-15/16	060421.20	72
11/32	.3438	1-11/16	3	060422.20	72
23/64	.3594	1-3/4	3-1/16	060423.20	72
3/8	.3750	1-13/16	3-1/8	060424.20	72
25/64	.3906	1-7/8	3-1/4	060425.20	72
13/32	.4062	1-15/16	3-5/16	060426.20	72
27/64	.4219	2	3-3/8	060427.20	72
7/16	.4375	2-1/16	3-7/16	060428.20	72
29/64	.4531	2-1/8	3-9/16	060429.20	72
15/32	.4688	2-1/8	3-5/8	060430.20	72
31/64	.4844	2-3/16	3-11/16	060431.20	72
1/2	.5000	2-1/4	3-3/4	060432.20	72

Please Refer to the Material Application Guide on Page 3

Screw Machine Length Drills



135° Split Point, High Speed Steel, Black Oxide

- Black oxide finish for added lubricity
- Short length and heavy-duty construction provides additional strength
- Unique flute design for superior material removal

T4 Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
3/64*	.0469	1/2	1-3/8	044403	12
1/16	.0625	5/8	1-5/8	044404	12
5/64	.0781	11/16	1-11/16	044405	12
3/32	.0938	3/4	1-3/4	044406	12
7/64	.1094	13/16	1-13/16	044407	12
1/8	.1250	7/8	1-7/8	044408	12
9/64	.1406	15/16	1-15/16	044409	12
5/32	.1562	1	2-1/16	044410	12
11/64	.1719	1-1/16	2-1/8	044411	12
3/16	.1875	1-1/8	2-3/16	044412	12
13/64	.2031	1-3/16	2-1/4	044413	12
7/32	.2188	1-1/4	2-3/8	044414	12
15/64	.2344	1-5/16	2-7/16	044415	12
1/4	.2500	1-3/8	2-1/2	044416	12
17/64	.2656	1-7/16	2-5/8	044417	12
9/32	.2812	1-1/2	2-11/16	044418	12
19/64	.2969	1-9/16	2-3/4	044419	12
5/16	.3125	1-5/8	2-13/16	044420	6
21/64	.3281	1-11/16	2-15/16	044421	6
11/32	.3438	1-11/16	3	044422	6
23/64	.3594	1-3/4	3-1/16	044423	6
3/8	.3750	1-13/16	3-1/8	044424	6
25/64	.3906	1-7/8	3-1/4	044425	6
13/32	.4062	1-15/16	3-5/16	044426	6
27/64	.4219	2	3-3/8	044427	6
7/16	.4375	2-1/16	3-7/16	044428	6
29/64	.4531	2-1/8	3-9/16	044429	6
15/32	.4688	2-1/8	3-5/8	044430	6
31/64	.4844	2-3/16	3-11/16	044431	6
1/2	.5000	2-1/4	3-3/4	044432	6

* Not split point

T4 Series

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/16	.0625	5/8	1-5/8	044404.20	144
5/64	.0781	11/16	1-11/16	044405.20	144
3/32	.0938	3/4	1-3/4	044406.20	144
7/64	.1094	13/16	1-13/16	044407.20	144
1/8	.1250	7/8	1-7/8	044408.20	144
9/64	.1406	15/16	1-15/16	044409.20	144
5/32	.1562	1	2-1/16	044410.20	144
11/64	.1719	1-1/16	2-1/8	044411.20	144
3/16	.1875	1-1/8	2-3/16	044412.20	144
13/64	.2031	1-3/16	2-1/4	044413.20	144
7/32	.2188	1-1/4	2-3/8	044414.20	144
15/64	.2344	1-5/16	2-7/16	044415.20	144
1/4	.2500	1-3/8	2-1/2	044416.20	144
17/64	.2656	1-7/16	2-5/8	044417.20	144
9/32	.2812	1-1/2	2-11/16	044418.20	144
19/64	.2969	1-9/16	2-3/4	044419.20	144
5/16	.3125	1-5/8	2-13/16	044420.20	144
21/64	.3281	1-11/16	2-15/16	044421.20	144
11/32	.3438	1-11/16	3	044422.20	144
23/64	.3594	1-3/4	3-1/16	044423.20	144
3/8	.3750	1-13/16	3-1/8	044424.20	144
25/64	.3906	1-7/8	3-1/4	044425.20	144
13/32	.4062	1-15/16	3-5/16	044426.20	144
27/64	.4219	2	3-3/8	044427.20	144
7/16	.4375	2-1/16	3-7/16	044428.20	144
29/64	.4531	2-1/8	3-9/16	044429.20	144
15/32	.4688	2-1/8	3-5/8	044430.20	144
31/64	.4844	2-3/16	3-11/16	044431.20	144
1/2	.5000	2-1/4	3-3/4	044432.20	144

Corresponding Drill Set

T29	Metal Index	29 Piece	1/16”-1/2” by 64ths	090569
T32	Metal Index	60 Piece	#1-#60	090532



Please Refer to the Material Application Guide on Page 3



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T5 Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
60*	.0400	1/2	1-3/8	044560	12
59*	.0410	1/2	1-3/8	044559	12
58*	.0420	1/2	1-3/8	044558	12
57*	.0430	1/2	1-3/8	044557	12
56*	.0465	1/2	1-3/8	044556	12
55*	.0520	5/8	1-5/8	044555	12
54*	.0550	5/8	1-5/8	044554	12
53*	.0595	5/8	1-5/8	044553	12
52	.0635	11/16	1-11/16	044552	12
51	.0670	11/16	1-11/16	044551	12
50	.0700	11/16	1-11/16	044550	12
49	.0730	11/16	1-11/16	044549	12
48	.0760	11/16	1-11/16	044548	12
47	.0785	11/16	1-11/16	044547	12
46	.0810	3/4	1-3/4	044546	12
45	.0820	3/4	1-3/4	044545	12
44	.0860	3/4	1-3/4	044544	12
43	.0890	3/4	1-3/4	044543	12
42	.0935	3/4	1-3/4	044542	12
41	.0960	13/16	1-13/16	044541	12
40	.0980	13/16	1-13/16	044540	12
39	.0995	13/16	1-13/16	044539	12
38	.1015	13/16	1-13/16	044538	12
37	.1040	13/16	1-13/16	044537	12
36	.1065	13/16	1-13/16	044536	12
35	.1100	7/8	1-7/8	044535	12
34	.1110	7/8	1-7/8	044534	12
33	.1130	7/8	1-7/8	044533	12
32	.1160	7/8	1-7/8	044532	12
31	.1200	7/8	1-7/8	044531	12
30	.1285	15/16	1-15/16	044530	12
29	.1360	15/16	1-15/16	044529	12
28	.1405	15/16	1-15/16	044528	12
27	.1440	1	2-1/16	044527	12
26	.1470	1	2-1/16	044526	12
25	.1495	1	2-1/16	044525	12
24	.1520	1	2-1/16	044524	12
23	.1540	1	2-1/16	044523	12
22	.1570	1-1/16	2-1/8	044522	12
21	.1590	1-1/16	2-1/8	044521	12
20	.1610	1-1/16	2-1/8	044520	12
19	.1660	1-1/16	2-1/8	044519	12
18	.1695	1-1/16	2-1/8	044518	12
17	.1730	1-1/8	2-3/16	044517	12
16	.1770	1-1/8	2-3/16	044516	12
15	.1800	1-1/8	2-3/16	044515	12
14	.1820	1-1/8	2-3/16	044514	12
13	.1850	1-1/8	2-3/16	044513	12
12	.1890	1-3/16	2-1/4	044512	12
11	.1910	1-3/16	2-1/4	044511	12
10	.1935	1-3/16	2-1/4	044510	12
9	.1960	1-3/16	2-1/4	044509	12
8	.1990	1-3/16	2-1/4	044508	12
7	.2010	1-3/16	2-1/4	044507	12
6	.2040	1-1/4	2-3/8	044506	12
5	.2055	1-1/4	2-3/8	044505	12
4	.2090	1-1/4	2-3/8	044504	12
3	.2130	1-1/4	2-3/8	044503	12
2	.2210	1-5/16	2-7/16	044502	12
1	.2280	1-5/16	2-7/16	044501	12

* Not split point

T5 Series

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
60*	.0400	1/2	1-3/8	044560.20	72
59*	.0410	1/2	1-3/8	044559.20	72
58*	.0420	1/2	1-3/8	044558.20	72
57*	.0430	1/2	1-3/8	044557.20	72
56*	.0465	1/2	1-3/8	044556.20	72
55*	.0520	5/8	1-5/8	044555.20	72
54*	.0550	5/8	1-5/8	044554.20	72
53*	.0595	5/8	1-5/8	044553.20	72
52	.0635	11/16	1-11/16	044552.20	72
51	.0670	11/16	1-11/16	044551.20	72
50	.0700	11/16	1-11/16	044550.20	72
49	.0730	11/16	1-11/16	044549.20	72
48	.0760	11/16	1-11/16	044548.20	72
47	.0785	11/16	1-11/16	044547.20	72
46	.0810	3/4	1-3/4	044546.20	72
45	.0820	3/4	1-3/4	044545.20	72
44	.0860	3/4	1-3/4	044544.20	72
43	.0890	3/4	1-3/4	044543.20	72
42	.0935	3/4	1-3/4	044542.20	72
41	.0960	13/16	1-13/16	044541.20	72
40	.0980	13/16	1-13/16	044540.20	72
39	.0995	13/16	1-13/16	044539.20	72
38	.1015	13/16	1-13/16	044538.20	72
37	.1040	13/16	1-13/16	044537.20	72
36	.1065	13/16	1-13/16	044536.20	72
35	.1100	7/8	1-7/8	044535.20	72
34	.1110	7/8	1-7/8	044534.20	72
33	.1130	7/8	1-7/8	044533.20	72
32	.1160	7/8	1-7/8	044532.20	72
31	.1200	7/8	1-7/8	044531.20	72
30	.1285	15/16	1-15/16	044530.20	72
29	.1360	15/16	1-15/16	044529.20	72
28	.1405	15/16	1-15/16	044528.20	72
27	.1440	1	2-1/16	044527.20	72
26	.1470	1	2-1/16	044526.20	72
25	.1495	1	2-1/16	044525.20	72
24	.1520	1	2-1/16	044524.20	72
23	.1540	1	2-1/16	044523.20	72
22	.1570	1-1/16	2-1/8	044522.20	72
21	.1590	1-1/16	2-1/8	044521.20	72
20	.1610	1-1/16	2-1/8	044520.20	72
19	.1660	1-1/16	2-1/8	044519.20	72
18	.1695	1-1/16	2-1/8	044518.20	72
17	.1730	1-1/8	2-3/16	044517.20	72
16	.1770	1-1/8	2-3/16	044516.20	72
15	.1800	1-1/8	2-3/16	044515.20	72
14	.1820	1-1/8	2-3/16	044514.20	72
13	.1850	1-1/8	2-3/16	044513.20	72
12	.1890	1-3/16	2-1/4	044512.20	72
11	.1910	1-3/16	2-1/4	044511.20	72
10	.1935	1-3/16	2-1/4	044510.20	72
9	.1960	1-3/16	2-1/4	044509.20	72
8	.1990	1-3/16	2-1/4	044508.20	72
7	.2010	1-3/16	2-1/4	044507.20	72
6	.2040	1-1/4	2-3/8	044506.20	72
5	.2055	1-1/4	2-3/8	044505.20	72
4	.2090	1-1/4	2-3/8	044504.20	72
3	.2130	1-1/4	2-3/8	044503.20	72
2	.2210	1-5/16	2-7/16	044502.20	72
1	.2280	1-5/16	2-7/16	044501.20	72

* Not split point

Extra Length Drills



135° Split Point, High Speed Steel, 6” Aircraft Extension, Black Oxide

- Black oxide finish for added lubricity
- Heavy-duty construction provides additional strength

T6HH Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/16	.0625	7/8	6	057504	6
5/64	.0781	1	6	057505	6
3/32	.0938	1-1/4	6	057506	6
7/64	.1094	1-1/2	6	057507	6
1/8	.1250	1-5/8	6	057508	6
9/64	.1406	1-3/4	6	057509	6
5/32	.1562	2	6	057510	6
11/64	.1719	2-1/8	6	057511	6
3/16	.1875	2-5/16	6	057512	6
13/64	.2031	2-7/16	6	057513	6
7/32	.2188	2-1/2	6	057514	6
15/64	.2344	2-5/8	6	057515	6
1/4	.2500	2-3/4	6	057516	6
17/64	.2656	2-7/8	6	057517	6
9/32	.2812	2-15/16	6	057518	6
19/64	.2969	3-1/16	6	057519	6
5/16	.3125	3-3/16	6	057520	6
21/64	.3281	3-5/16	6	057521	6
11/32	.3438	3-7/16	6	057522	6
23/64	.3594	3-1/2	6	057523	6
3/8	.3750	3-5/8	6	057524	6
7/16	.4375	4-1/16	6	057528	6
1/2	.5000	4-1/2	6	057532	6

T6WW Series

Envelope

40	.0980	1-3/8	6	057640	6
33	.1130	1-1/2	6	057633	6
30	.1285	1-5/8	6	057630	6
29	.1360	1-3/4	6	057629	6
27	.1440	1-7/8	6	057627	6
25	.1495	1-7/8	6	057625	6
21	.1590	2-1/8	6	057621	6
20	.1610	2-1/8	6	057620	6
19	.1660	2-1/8	6	057619	6
18	.1695	2-1/8	6	057618	6
11	.1910	2-5/16	6	057611	6
10	.1935	2-7/16	6	057610	6
9	.1960	2-7/16	6	057609	6
6	.2040	2-1/2	6	057606	6
5	.2055	2-1/2	6	057605	6
2	.2210	2-5/8	6	057602	6

T6HH Series

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/16	.0625	7/8	6	057504.20	144
5/64	.0781	1	6	057505.20	144
3/32	.0938	1-1/4	6	057506.20	144
7/64	.1094	1-1/2	6	057507.20	144
1/8	.1250	1-5/8	6	057508.20	144
9/64	.1406	1-3/4	6	057509.20	144
5/32	.1562	2	6	057510.20	144
11/64	.1719	2-1/8	6	057511.20	144
3/16	.1875	2-5/16	6	057512.20	144
13/64	.2031	2-7/16	6	057513.20	144
7/32	.2188	2-1/2	6	057514.20	144
15/64	.2344	2-5/8	6	057515.20	144
1/4	.2500	2-3/4	6	057516.20	144
17/64	.2656	2-7/8	6	057517.20	72
9/32	.2812	2-15/16	6	057518.20	72
19/64	.2969	3-1/16	6	057519.20	72
5/16	.3125	3-3/16	6	057520.20	72
21/64	.3281	3-5/16	6	057521.20	72
11/32	.3438	3-7/16	6	057522.20	72
23/64	.3594	3-1/2	6	057523.20	72
3/8	.3750	3-5/8	6	057524.20	72
7/16	.4375	4-1/16	6	057528.20	72
1/2	.5000	4-1/2	6	057532.20	72

T6WW Series

Bulk Master Pack

20	.1610	2-1/8	6	057620.20	144
21	.1590	2-1/8	6	057621.20	144
30	.1285	1-5/8	6	057630.20	144
40	.0980	1-3/8	6	057640.20	144

BP6HH Series

Skin Pack

1/8	.1250	1-5/8	6	057708	1
3/16	.1875	2-5/16	6	057712	1
1/4	.2500	2-3/4	6	057716	1
5/16	.3125	3-3/16	6	057720	1
3/8	.3750	3-5/8	6	057724	1
7/16	.4375	4-1/16	6	057728	1
1/2	.5000	4-1/2	6	057732	1

Please Refer to the Material Application Guide on Page 3



135° Split Point, High Speed Steel, 12”Aircraft Extension Black Oxide

- Black oxide finish for added lubricity
- Heavy-duty construction provides additional strength

T12HH Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/16	.0625	7/8	12	058504	6
5/64	.0781	1	12	058505	6
3/32	.0938	1-1/4	12	058506	6
7/64	.1094	1-1/2	12	058507	6
1/8	.1250	1-5/8	12	058508	6
9/64	.1406	1-3/4	12	058509	6
5/32	.1562	2	12	058510	6
11/64	.1719	2-1/8	12	058511	6
3/16	.1875	2-5/16	12	058512	6
13/64	.2031	2-7/16	12	058513	6
7/32	.2188	2-1/2	12	058514	6
15/64	.2344	2-5/8	12	058515	6
1/4	.2500	2-3/4	12	058516	6
17/64	.2656	2-7/8	12	058517	6
9/32	.2812	2-15/16	12	058518	6
19/64	.2969	3-1/16	12	058519	6
5/16	.3125	3-3/16	12	058520	3
11/32	.3438	3-7/16	12	058522	3
3/8	.3750	3-5/8	12	058524	3
13/32	.4062	3-7/8	12	058526	3
7/16	.4375	4-1/16	12	058528	3
15/32	.4688	4-5/16	12	058530	3
1/2	.5000	4-1/2	12	058532	3

BP12HH Series

Skin Pack

1/8	.1250	1-5/8	12	058408	1
3/16	.1875	2-5/16	12	058412	1
7/32	.2188	2-1/2	12	058414	1
1/4	.2500	2-3/4	12	058416	1
5/16	.3125	3-3/16	12	058420	1
3/8	.3750	3-5/8	12	058424	1
7/16	.4375	4-1/16	12	058428	1
1/2	.5000	4-1/2	12	058432	1

T12WW Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1	.2280	2-5/8	12	058601	6
7	.2010	2-7/16	12	058607	6
10	.1935	2-7/16	12	058610	6
11	.1910	2-5/16	12	058611	6
17	.1730	2-3/16	12	058617	6
20	.1610	2-1/8	12	058620	6
30	.1285	1-5/8	12	058630	6
40	.0980	1-3/8	12	058640	6



118° Point, High Speed Steel, 12”Overall Length Bright Finish

- Bright Finish
- General Purpose

T1290 Series

Tube

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/8	.1250	9	12	059808	1
5/32	.1562	9	12	059810	1
3/16	.2031	9	12	059812	1
7/32	.2188	9	12	059814	1
1/4	.2500	9	12	059816	1
9/32	.2812	9	12	059818	1
5/16	.3125	9	12	059820	1
11/32	.3438	9	12	059822	1
3/8	.3750	9	12	059824	1
13/32	.4062	9	12	059826	1
7/16	.4375	9	12	059828	1
15/32	.4688	9	12	059830	1
1/2	.5000	9	12	059832	1
17/32*	.5312	9	12	059834	1
9/16*	.5625	9	12	059836	1
5/8*	.6250	9	12	059840	1

* Sizes over 1/2” are black oxide

T1290 Series

Bulk Master Pack

3/16	.2031	9	12	059812.20	288
1/4	.2500	9	12	059816.20	144
3/8	.3750	9	12	059824.20	72
1/2	.5000	9	12	059832.20	50



118° Point, High Speed Steel, 18”Overall Length

- Bright Finish
- General Purpose

T1813 Series

Sleeve

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/4	.2500	13	18	059916	1
5/16	.3125	13	18	059920	1
3/8	.3750	13	18	059924	1
7/16	.4375	13	18	059928	1
1/2	.5000	13	18	059932	1
9/16*	.5625	13	18	059936	1
5/8*	.6250	13	18	059940	1

* Sizes over 1/2” are black oxide; packaged in tubes

Please Refer to the Material Application Guide on Page 3

Reduced Shank Drills



THUNDERBIT®

High Performance, 118° Split Point, 1/2" Shank, 3-Flats on Shank, High Speed Steel, Black & Bronze Oxide

- Premium grade steel
- Heavy-duty construction
- Flatted shank prevents slippage

See Page 4 to learn about the additional benefits of the ThunderBit® drill construction

T9FHD Series

Tube

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
33/64	.5156	3	6	094133	1
17/32	.5312	3	6	094134	1
35/64	.5469	3	6	094135	1
9/16	.5625	3	6	094136	1
37/64	.5781	3	6	094137	1
19/32	.5938	3	6	094138	1
39/64	.6094	3	6	094139	1
5/8	.6250	3	6	094140	1
41/64	.6406	3	6	094141	1
21/32	.6562	3	6	094142	1
43/64	.6719	3	6	094143	1
11/16	.6875	3	6	094144	1
45/64	.7031	3	6	094145	1
23/32	.7188	3	6	094146	1
47/64	.7344	3	6	094147	1
3/4	.7500	3	6	094148	1
49/64	.7656	3	6	094149	1
25/32	.7812	3	6	094150	1
51/64	.7969	3	6	094151	1
13/16	.8125	3	6	094152	1
53/64	.8281	3	6	094153	1
27/32	.8438	3	6	094154	1
55/64	.8594	3	6	094155	1
7/8	.8750	3	6	094156	1
57/64	.8906	3	6	094157	1
29/32	.9062	3	6	094158	1
59/64	.9219	3	6	094159	1
15/16	.9375	3	6	094160	1
61/64	.9531	3	6	094161	1
31/32	.9688	3	6	094162	1
63/64	.9844	3	6	094163	1
1"	1.0000	3	6	094164	1

T9FHD Series

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
33/64	.5156	3	6	094133.20	25
17/32	.5312	3	6	094134.20	25
35/64	.5469	3	6	094135.20	25
9/16	.5625	3	6	094136.20	25
37/64	.5781	3	6	094137.20	25
19/32	.5938	3	6	094138.20	25
39/64	.6094	3	6	094139.20	25
5/8	.6250	3	6	094140.20	25
41/64	.6406	3	6	094141.20	25
21/32	.6562	3	6	094142.20	25
43/64	.6719	3	6	094143.20	25
11/16	.6875	3	6	094144.20	25
45/64	.7031	3	6	094145.20	25
23/32	.7188	3	6	094146.20	25
47/64	.7344	3	6	094147.20	25
3/4	.7500	3	6	094148.20	25
49/64	.7656	3	6	094149.20	25
25/32	.7812	3	6	094150.20	25
51/64	.7969	3	6	094151.20	25
13/16	.8125	3	6	094152.20	25
53/64	.8281	3	6	094153.20	25
27/32	.8438	3	6	094154.20	25
55/64	.8594	3	6	094155.20	25
7/8	.8750	3	6	094156.20	25
57/64	.8906	3	6	094157.20	25
29/32	.9062	3	6	094158.20	25
59/64	.9219	3	6	094159.20	25
15/16	.9375	3	6	094160.20	25
61/64	.9531	3	6	094161.20	25
31/32	.9688	3	6	094162.20	25
63/64	.9844	3	6	094163.20	25
1"	1.0000	3	6	094164.20	25

Please Refer to the Material Application Guide on Page 3



118° Point, Silver & Deming, 1/2" Round Shank, High Speed Steel, Black Oxide Flutes

- Premium grade steel
- Heavy-duty construction
- Not designed to enlarge existing holes

T9 Series

Tube

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
33/64	.5156	3	6	091733	1
17/32	.5312	3	6	091734	1
35/64	.5469	3	6	091735	1
9/16	.5625	3	6	091736	1
37/64	.5781	3	6	091737	1
19/32	.5938	3	6	091738	1
39/64	.6094	3	6	091739	1
5/8	.6250	3	6	091740	1
41/64	.6406	3	6	091741	1
21/32	.6562	3	6	091742	1
43/64	.6719	3	6	091743	1
11/16	.6875	3	6	091744	1
45/64	.7031	3	6	091745	1
23/32	.7188	3	6	091746	1
47/64	.7344	3	6	091747	1
3/4	.7500	3	6	091748	1
49/64	.7656	3	6	091749	1
25/32	.7812	3	6	091750	1
51/64	.7969	3	6	091751	1
13/16	.8125	3	6	091752	1
53/64	.8281	3	6	091753	1
27/32	.8438	3	6	091754	1
55/64	.8594	3	6	091755	1
7/8	.8750	3	6	091756	1
57/64	.8906	3	6	091757	1
29/32	.9062	3	6	091758	1
59/64	.9219	3	6	091759	1
15/16	.9375	3	6	091760	1
61/64	.9531	3	6	091761	1
31/32	.9688	3	6	091762	1
63/64	.9844	3	6	091763	1
1	1.0000	3	6	091764	1
1-1/64	1.0156	3	6	091765	1
1-1/32	1.0312	3	6	091766	1
1-3/64	1.0469	3	6	091767	1
1-1/16	1.0625	3	6	091768	1
1-3/32	1.0938	3	6	091770	1
1-1/8	1.1250	3	6	091772	1
1-5/32	1.1562	3	6	091774	1
1-3/16	1.1875	3	6	091776	1
1-7/32	1.2188	3	6	091778	1
1-1/4	1.2500	3	6	091780	1
1-9/32	1.2812	3	6	091782	1
1-5/16	1.3125	3	6	091784	1
1-3/8	1.3750	3	6	091788	1
1-7/16	1.4375	3	6	091792	1
1-1/2	1.5000	3	6	091796	1

T9 Series

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
33/64	.5156	3	6	091733.20	25
17/32	.5312	3	6	091734.20	25
35/64	.5469	3	6	091735.20	25
9/16	.5625	3	6	091736.20	25
37/64	.5781	3	6	091737.20	25
19/32	.5938	3	6	091738.20	25
39/64	.6094	3	6	091739.20	25
5/8	.6250	3	6	091740.20	25
41/64	.6406	3	6	091741.20	25
21/32	.6562	3	6	091742.20	25
43/64	.6719	3	6	091743.20	25
11/16	.6875	3	6	091744.20	25
45/64	.7031	3	6	091745.20	25
23/32	.7188	3	6	091746.20	25
47/64	.7344	3	6	091747.20	25
3/4	.7500	3	6	091748.20	25
49/64	.7656	3	6	091749.20	25
25/32	.7812	3	6	091750.20	25
51/64	.7969	3	6	091751.20	25
13/16	.8125	3	6	091752.20	25
53/64	.8281	3	6	091753.20	25
27/32	.8438	3	6	091754.20	25
55/64	.8594	3	6	091755.20	25
7/8	.8750	3	6	091756.20	25
57/64	.8906	3	6	091757.20	25
29/32	.9062	3	6	091758.20	25
59/64	.9219	3	6	091759.20	25
15/16	.9375	3	6	091760.20	25
61/64	.9531	3	6	091761.20	25
31/32	.9688	3	6	091762.20	25
63/64	.9844	3	6	091763.20	25
1"	1.0000	3	6	091764.20	25
1-1/64	1.0156	3	6	091765.20	25
1-1/32	1.0312	3	6	091766.20	25
1-3/64	1.0469	3	6	091767.20	25
1-1/16	1.0625	3	6	091768.20	25
1-3/32	1.0938	3	6	091770.20	25
1-1/8	1.1250	3	6	091772.20	25
1-5/32	1.1562	3	6	091774.20	25
1-3/16	1.1875	3	6	091776.20	25
1-7/32	1.2188	3	6	091778.20	25
1-1/4	1.2500	3	6	091780.20	25
1-9/32	1.2812	3	6	091782.20	25
1-5/16	1.3125	3	6	091784.20	20
1-3/8	1.3750	3	6	091788.20	20
1-7/16	1.4375	3	6	091792.20	15
1-1/2	1.5000	3	6	091796.20	15



Corresponding Drill Sets

T98	Molded Case	8 Piece, 9/16"-1" by 16ths	090598
T98F	Molded Case	8 Piece, 9/16"-1" by 16ths	090596
T98FHD	Molded Case	8 Piece, 9/16"-1" by 16ths	090595
T933	Metal Stand	33 Piece, 1/2"-1" by 64ths	090599
T933FHD	Metal Stand	33 Piece, 1/2"-1" by 64ths	090593

Please Refer to the Material Application Guide on Page 3

Reduced Shank Drills



118° Point, 1/2" Shank, 3-Flats on Shank, High Speed Steel, Black Oxide Flutes

- Premium grade steel
- Heavy-duty construction
- Not designed to enlarge existing holes
- Flatted shank prevents slippage

T9F Series

Tube

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
33/64	.5156	3	6	092833	1
17/32	.5312	3	6	092834	1
35/64	.5469	3	6	092835	1
9/16	.5625	3	6	092836	1
37/64	.5781	3	6	092837	1
19/32	.5938	3	6	092838	1
39/64	.6094	3	6	092839	1
5/8	.6250	3	6	092840	1
41/64	.6406	3	6	092841	1
21/32	.6562	3	6	092842	1
43/64	.6719	3	6	092843	1
11/16	.6875	3	6	092844	1
45/64	.7031	3	6	092845	1
23/32	.7188	3	6	092846	1
47/64	.7344	3	6	092847	1
3/4	.7500	3	6	092848	1
49/64	.7656	3	6	092849	1
25/32	.7812	3	6	092850	1
51/64	.7969	3	6	092851	1
13/16	.8125	3	6	092852	1
53/64	.8281	3	6	092853	1
27/32	.8438	3	6	092854	1
55/64	.8594	3	6	092855	1
7/8	.8750	3	6	092856	1
57/64	.8906	3	6	092857	1
29/32	.9062	3	6	092858	1
59/64	.9219	3	6	092859	1
15/16	.9375	3	6	092860	1
61/64	.9531	3	6	092861	1
31/32	.9688	3	6	092862	1
63/64	.9844	3	6	092863	1
1	1.0000	3	6	092864	1
1-1/32	1.0312	3	6	092866	1
1-1/16	1.0625	3	6	092868	1
1-3/32	1.0938	3	6	092870	1
1-1/8	1.1250	3	6	092872	1
1-5/32	1.1562	3	6	092874	1
1-3/16	1.1875	3	6	092876	1
1-7/32	1.2188	3	6	092878	1
1-1/4	1.2500	3	6	092880	1
1-5/16	1.3125	3	6	092884	1
1-3/8	1.3750	3	6	092888	1
1-7/16	1.4375	3	6	092892	1
1-1/2	1.5000	3	6	092896	1

T9F Series

Bulk Master Pack

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
33/64	.5156	3	6	092833.20	25
17/32	.5312	3	6	092834.20	25
35/64	.5469	3	6	092835.20	25
9/16	.5625	3	6	092836.20	25
37/64	.5781	3	6	092837.20	25
19/32	.5938	3	6	092838.20	25
39/64	.6094	3	6	092839.20	25
5/8	.6250	3	6	092840.20	25
41/64	.6406	3	6	092841.20	25
21/32	.6562	3	6	092842.20	25
43/64	.6719	3	6	092843.20	25
11/16	.6875	3	6	092844.20	25
45/64	.7031	3	6	092845.20	25
23/32	.7188	3	6	092846.20	25
47/64	.7344	3	6	092847.20	25
3/4	.7500	3	6	092848.20	25
49/64	.7656	3	6	092849.20	25
25/32	.7812	3	6	092850.20	25
51/64	.7969	3	6	092851.20	25
13/16	.8125	3	6	092852.20	25
53/64	.8281	3	6	092853.20	25
27/32	.8438	3	6	092854.20	25
55/64	.8594	3	6	092855.20	25
7/8	.8750	3	6	092856.20	25
57/64	.8906	3	6	092857.20	25
29/32	.9062	3	6	092858.20	25
59/64	.9219	3	6	092859.20	25
15/16	.9375	3	6	092860.20	25
61/64	.9531	3	6	092861.20	25
31/32	.9688	3	6	092862.20	25
63/64	.9844	3	6	092863.20	25
1	1.0000	3	6	092864.20	25
1-1/32	1.0312	3	6	092866.20	25
1-1/16	1.0625	3	6	092868.20	25
1-3/32	1.0938	3	6	092870.20	25
1-1/8	1.1250	3	6	092872.20	25
1-5/32	1.1562	3	6	092874.20	25
1-3/16	1.1875	3	6	092876.20	25
1-7/32	1.2188	3	6	092878.20	25
1-1/4	1.2500	3	6	092880.20	25
1-5/16	1.3125	3	6	092884.20	20
1-3/8	1.3750	3	6	092888.20	20
1-7/16	1.4375	3	6	092892.20	15
1-1/2	1.5000	3	6	092896.20	15

Please Refer to the Material Application Guide on Page 3



118° Split Point, Cobalt, Silver & Deming, 1/2" Reduced Shank, Black & Bronze Oxide

- Premium grade steel
- Heavy-duty construction
- Not designed to enlarge existing holes

T9C Series

Tube

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
33/64	.5156	3	6	092033	1
17/32	.5312	3	6	092034	1
35/64	.5469	3	6	092035	1
9/16	.5625	3	6	092036	1
37/64	.5781	3	6	092037	1
19/32	.5938	3	6	092038	1
39/64	.6094	3	6	092039	1
5/8	.6250	3	6	092040	1
41/64	.6406	3	6	092041	1
21/32	.6562	3	6	092042	1
43/64	.6719	3	6	092043	1
11/16	.6875	3	6	092044	1
45/64	.7031	3	6	092045	1
23/32	.7188	3	6	092046	1
47/64	.7344	3	6	092047	1
3/4	.7500	3	6	092048	1
49/64	.7656	3	6	092049	1
25/32	.7812	3	6	092050	1
51/64	.7969	3	6	092051	1
13/16	.8125	3	6	092052	1
53/64	.8281	3	6	092053	1
27/32	.8438	3	6	092054	1
55/64	.8594	3	6	092055	1
7/8	.8750	3	6	092056	1
57/64	.8906	3	6	092057	1
29/32	.9062	3	6	092058	1
59/64	.9219	3	6	092059	1
15/16	.9375	3	6	092060	1
61/64	.9531	3	6	092061	1
31/32	.9688	3	6	092062	1
63/64	.9844	3	6	092063	1
1"	1.0000	3	6	092064	1



THUNDERBIT®

High Performance, 135° Split Point, 3/8" Reduced Shank, High Speed Steel, Black & Bronze Oxide

- Premium grade steel
- Heavy-duty construction
- Unique flute design for superior material removal

T8HD Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
25/64	.3906	3-3/4	5-1/8	092125	6
13/32	.4062	3-7/8	5-1/4	092126	6
27/64	.4219	3-15/16	5-3/8	092127	6
7/16	.4375	4-1/16	5-1/2	092128	6
29/64	.4531	4-3/16	5-5/8	092129	6
15/32	.4688	4-5/16	5-3/4	092130	6
31/64	.4844	4-3/8	5-7/8	092131	6
1/2	.5000	4-1/2	6	092132	6
17/32*	.5312	2–3/4	5	091834	1
9/16*	.5625	2–3/4	5	091836	1
5/8*	.6250	2–3/4	5	091840	1
11/16*	.6875	2–3/4	5	091844	1
3/4*	.7500	2–3/4	5	091848	1

* Packaging: Tube

BP8HD Series

Skin Card

25/64	.3906	3-3/4	5-1/8	095125	1
13/32	.4062	3-7/8	5-1/4	095126	1
27/64	.4219	3-15/16	5-3/8	095127	1
7/16	.4375	4-1/16	5-1/2	095128	1
29/64	.4531	4-3/16	5-5/8	095129	1
15/32	.4688	4-5/16	5-3/4	095130	1
31/64	.4844	4-3/8	5-7/8	095131	1
1/2	.5000	4-1/2	6	095132	1



Corresponding Drill Sets

T815HD*	Metal Index	15 Piece, 1/16"-1/2" by 32nds	099104
T829HD*	Metal Index	29 Piece, 1/16"-1/2" by 64ths	099101

*3/8" Reduced Shank

Please Refer to the Material Application Guide on Page 3



118° Point, 1/4" Reduced Shank, Economy Length, Bright Finish

- Premium grade steel
- Designed for light-to-intermediate duty applications

BP7 Series

Skin Card

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
5/16	.3125	2-1/4	4	091670	1
3/8	.3750	2-1/4	4	091674	1
7/16	.4375	2-1/4	4	091678	1
1/2	.5000	2-1/4	4	091682	1



118° Point, 3/8" Reduced Shank, Bright Finish

- Premium grade steel
- Designed for light-to-intermediate duty applications

BP8 Series

Skin Card

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
7/16	.4375	4-1/16	5-1/2	091928	1
1/2	.5000	4-1/2	6	091932	1



118° Split Point, 1/4" Reduced Shank, Intermediate Length, Bright Finish

- Premium grade steel
- Designed for light-to-intermediate duty applications

BP10 Series

Skin Card

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
5/16	.3125	2-1/2	3-13/16	091640	1
3/8	.3750	2-7/8	4-1/4	091644	1
7/16	.4375	3-3/8	4-11/16	091648	1
1/2	.5000	3-5/8	5-1/16	091652	1

T8 Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
25/64	.3906	3-3/4	5-1/8	091825	6
13/32	.4062	3-7/8	5-1/4	091826	6
27/64	.4219	3-15/16	5-3/8	091827	6
7/16	.4375	4-1/16	5-1/2	091928	6
29/64	.4531	4-3/16	5-5/8	091829	6
15/32	.4688	4-5/16	5-3/4	091830	6
31/64	.4844	4-3/8	5-7/8	091831	6
1/2	.5000	4-1/2	6	091932	6



Corresponding Drill Sets

T815*	Metal Index	15 Piece, 1/16"-1/2" by 32nds	090815
T829*	Metal Index	29 Piece 1/16"-1/2" by 64ths	090829

*3/8" reduced shank

Please Refer to the Material Application Chart on Page 3



Annular Cutter, Chipbreaker Tooth Design
Cobalt High Speed Steel, Bright Finish

- Manufactured from heat-resistant cobalt high speed steel
- Spring-loaded pilot ejects the center as a “slug”
- Designed for cutting large diameter holes accurately, cleanly and effortlessly
- Faster feed, lower thrust, longer tool life
- Recommended for use in the building and construction market in such materials as thin sheet metal and angle iron

TAC Series

Clear Plastic Tube

Cutter Diameter	1” Depth of Cut	2” Depth of Cut	Pkg Qty
7/16	087501	087527	1
1/2	087502	087528	1
9/16	087503	087529	1
5/8	087504	087530	1
11/16	087505	087531	1
3/4	087506	087532	1
13/16	087507	087533	1
7/8	087508	087534	1
15/16	087509	087535	1
1”	087510	087536	1
1-1/16	087511	087537	1
1-1/8	087512	087538	1
1-3/16	087513	087539	1
1-1/4	087514	087540	1
1-5/16	087515	087541	1
1-3/8	087516	087542	1
1-7/16	087517	087543	1
1-1/2	087518	087544	1
1-9/16	087519	087545	1
1-5/8	087520	087546	1
1-11/16	087521	087547	1
1-3/4	087522	087548	1
1-13/16	087523	087549	1
1-7/8	087524	087550	1
1-15/16	087525	087551	1
2”	087526	087552	1

TAC Series

Ejector Pilots

Ejector Pilots (For 7/16" Diameter Annular Cutters)

For 1” Depth of Cut, Short	3/16” x 3”	087499	1
For 2” Depth of Cut, Long	3/16” x 4”	087498	1

Ejector Pilots (For 1/2" Diameter and Over Annular Cutters)

For 1” Depth of Cut, Short	1/4” x 3”	087497	1
For 2” Depth of Cut, Long	1/4” x 4”	087496	1



Solid Carbide Burs, Double Cut, 1/4” Shank, Tubed, Bright Finish

- Produces smooth finish for general purpose applications
- Faster penetration and stock removal with minimal bounce or chatter

Recommended Applications Highlighted in Orange

Aluminum
Brass, Bronze, Copper
Fiberglass
Cast Iron
Plastics
Steel, 40-55 rc
Steel, 55-60 rc
Steel, Nickel, Chrome
Stainless Steel
Steel Weldments
Titanium
Zinc



SA Series (Cylinder)

Style	Cutting Diameter	Length of Cut	Stock #	Pkg Qty
SA-1	1/4"	5/8	071423	1
SA-3	3/8"	3/4	071424	1
SA-5	1/2"	1	071425	1
SA-7	3/4"	1	071426	1



SB Series (Cylinder with End Cut)

SB-1	1/4"	5/8	071427	1
SB-3	3/8"	3/4	071428	1
SB-5	1/2"	1	071429	1
SB-7	3/4"	1	071430	1



SC Series (Cylinder with Radius, Ball Nose)

SC-1	1/4"	5/8	071433	1
SC-3	3/8"	3/4	071434	1
SC-5	1/2"	1	071435	1
SC-6	5/8"	1	071436	1



SD Series (Ball)

SD-1	1/4"	1/4	071439	1
SD-3	3/8"	3/8	071440	1
SD-5	1/2"	1/2	071441	1



SE Series (Oval)

Style	Cutting Diameter	Length of Cut	Stock #	Pkg Qty
SE-1	1/4"	3/8	071443	1
SE-3	3/8"	5/8	071444	1
SE-5	1/2"	7/8	071445	1
SE-6	5/8"	1	071446	



SF Series (Tree with Radius)

SF-1	1/4"	5/8	071449	1
SF-3	3/8"	3/4	071450	1
SF-5	1/2"	1	071451	1
SF-6	5/8"	1	071452	1



SG Series (Tree Shape)

SG-1	1/4"	5/8	071455	1
SG-3	3/8"	3/4	071456	1
SG-5	1/2"	1	071457	1



SH Series (Flame)

SH-1	1/4"	1/2	071459	1
SH-5	1/2"	1-1/4	071460	1

Solid Carbide Burs (con't)



SJ Series (60° Cone)

Style	Cutting Diameter	Length of Cut	Stock #	Pkg Qty
SJ-1	1/4"	3/16	071462	1
SJ-3	3/8"	1/4	071463	1
SJ-5	1/2"	7/16	071464	1



SK Series (90° Cone)

SK-1	1/4"	1/8	071466	1
SK-3	3/8"	3/16	071467	1
SK-5	1/2"	1/4	071468	1



SL Series (14° Taper with Radius)

SL-1	1/4"	5/8	071470	1
SL-3	3/8"	1-1/16	071471	1
SL-4	1/2"	1-1/8	071472	1
SL-5	5/8"	1-3/16	071473	1
SL-7	3/4"	1-1/2	071474	1



SM Series (Cone)

SM-2	1/4"	3/4	071477	1
SM-4	3/8"	5/8	071478	1
SM-5	1/2"	7/8	071479	1



SN Series (Inverted Cone)

SN-1	1/4"	5/16	071481	1
SN-2	3/8"	3/8	071482	1
SN-4	1/2"	1/2	071483	1

Solid Carbide *Miniature* Burs, Double Cut, 1/8" Shank, Tubed, Bright Finish

Style	Cutting Diameter	Length of Cut	Stock #	Pkg Qty
SA-51	1/4"	1/2	071421	1
SC-51	1/4"	1/2	071431	1
SD-51	1/4"	7/32	071437	1
SE-51	1/4"	3/8	071442	1
SF-51	1/4"	1/2	071447	1
SG-51	1/4"	1/2	071453	1
SM-51	1/4"	1/2	071475	1

Miniature Burs, 1-1/2"Overall Length

SA-43	1/8"	9/16	071422	1
SC-42	1/8"	9/16	071432	1
SD-42	1/8"	1/8	071438	1
SE-41	1/8"	7/32	071484	1
SF-42	1/8"	1/2	071448	1
SG-43	1/8"	3/8	071454	1
SH-41	1/8"	1/4	071458	1
SJ-42	1/8"	3/32	071461	1
SK-42	1/8"	1/16	071465	1
SL-42	1/8"	1/2	071469	1
SM-42	1/8"	7/16	071476	1
SN-42	1/8"	3/16	071480	1

Corresponding Bur Sets

9-Piece Sets, Metal Index



BUR 14 SET, 1/4" Cut, 1/4" Shank SA-1, SC-1, SD-1, SE-1, SF-1, SG-1, SH-1, SL-1, SM-1	071485
BUR 18 SET, 1/8" Cut, 1/8" Shank SA-43, SC-42, SD-42, SE-41, SF-42, SG-43, SH-41, SL-42, SN-42	071486
BUR 38 SET, 3/8" Cut, 1/4" Shank SA-3, SC-3, SD-3, SE-3, SF-3, SG-3, SH-1, SL-1, SM-4	071487
BUR 12 SET, 1/2" Cut, 1/4" Shank SA-5, SC-5, SD-5, SE-5, SF-5, SG-5, SH-5, SL-4, SM-5	071488



118° Point, Carbide-Tip, Masonry, High Helix, Black Oxide

- Fast spiral flutes improve dust removal
- For best performance, use slow speed and apply enough feed pressure to keep the drill cutting
- For recommended use in hard concrete aggregates

BP11 Series

Skin Card

Size	Minimum Diameter Equivalent	Shank Dia.	Overall Length	Stock#	Pkg Qty
1/8	.134	1/8	3	038208	1
3/16	.198	3/16	4	038212	1
1/4	.260	1/4	4	038216	1
1/4	.260	1/4	6	038217	1
5/16	.327	1/4	4	038220	1
5/16	.327	1/4	6	038221	1
3/8	.390	1/4	4	038224	1
3/8	.390	1/4	6	038225	1
7/16	.458	1/4	4	038228	1
7/16	.458	1/4	6	038229	1
1/2	.525	1/4	4	038232	1
1/2	.525	3/8	6	038233	1
9/16	.587	3/8	6	038236	1
5/8	.650	1/2	6	038240	1
3/4	.775	1/2	6	038248	1
7/8	.905	1/2	6	038256	1
1	1.030	1/2	6	038264	1

Corresponding Drill Set

T154	Vinyl Pouch	4 Piece	1/4”-1/2”	038917



118° Point, Carbide-Tip, Masonry, Regular Helix, Black Oxide

- Wide flutes improve dust removal
- For best performance, use slow speed and apply enough feed pressure to keep the drill cutting
- For recommended use in brick, concrete and sandstone

BP12 Series

Skin Card

Size	Minimum Diameter Equivalent	Shank Dia.	Overall Length	Stock#	Pkg Qty
1/8	.134	1/8	3	038508	1
5/32	.165	5/32	3-1/2	038510	1
3/16	.198	3/16	4	038512	1
1/4	.260	1/4	4	038516	1
1/4	.260	1/4	6	038517	1
5/16	.327	1/4	4	038520	1
5/16	.327	1/4	6	038521	1
3/8	.390	1/4	4	038524	1
3/8	.390	1/4	6	038525	1
1/2	.525	1/4	4	038532	1
1/2	.525	3/8	6	038533	1
5/8	.650	1/2	6	038540	1



118° Point, Carbide-Tip, Masonry, Extra Length, Regular Helix, Black Oxide

- Heavy-duty construction
- Wide flutes improve dust removal
- For recommended use in brick, concrete and sandstone

T1212 Series (13” Overall Length)

Tube

Size	Minimum Diameter Equivalent	Shank Diameter	Overall Length	Stock#	Pkg Qty
1/4	.260	1/4	13	038716	1
5/16	.327	1/4	13	038717	1
3/8	.390	1/4	13	038718	1
1/2	.525	1/4	13	038720	1
5/8	.650	1/2	13	038721	1
3/4	.775	1/2	13	038722	1
7/8	.905	1/2	13	038723	1
1”	1.030	1/2	13	038764	1

T1213 Series (18” Overall Length)

Sleeve

1/4	.260	1/4	13	038816	1
3/8	.390	3/8	13	038818	1
1/2	.525	1/4	13	038819	1
3/4*	.775	1/2	13	038821	1
1” *	1.030	1/2	13	038864	1

* Tubed



Glass & Tile, Spear Carbide Tip Point, Gray Finish

- Spear point reduces cutting pressure for cleaner holes
- Carbide tip for longer life
- For recommended use in glass, tile, mirrors, and ceramics

TG6 Series

Skin Card

Size	Minimum Diameter Equivalent	Shank Dia.	Overall Length	Stock#	Pkg Qty
1/8	.134	.107	2-1/8	039108	1
3/16	.198	.155	2-1/4	039112	1
1/4	.260	.175	2-9/16	039116	1
5/16	.327	.215	3”	039120	1
3/8	.390	.235	3-1/2	039124	1
1/2	.525	.312	3-1/2	039132	1



Alignment Reamer, 1/2” Shank, High Speed Steel, 3-Flatted Shank, Black & Bronze Oxide

- 3 flats on shank prevents slippage in three-jaw chuck
- Engineered exclusively to enlarge and align existing holes
- Ideal for maintenance and repair

TCR Series

Tube

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
3/8*	.3750	3	5	072280	1
1/2	.5000	3-15/16	5-15/16	072281	1
9/16	.5625	3-15/16	5-15/16	072282	1
5/8	.6250	4-1/2	6-9/16	072283	1
11/16	.6875	4-1/2	6-9/16	072284	1
3/4	.7500	4-15/16	7	072285	1
13/16	.8125	4-15/16	7	072286	1
7/8	.8750	5-3/16	7-1/4	072287	1
15/16	.9375	5-3/16	7-1/4	072288	1
1”	1.0000	5-3/16	7-1/4	072289	1

*3/8” shank

Corresponding Reamer Set



TCR3	Resealable Plastic Tube	3 Piece, 1/2”, 5/8”, 3/4”	072290



Center Reamer/Countersink, 82° Point High Speed Steel, Black Oxide

- Used for centering lathe work on pre-dilled holes
- Used for countersinking screw heads

T401 Series

Tube

Size	Shank Diameter	Overall Length	Stock#	Pkg Qty
1/4	3/16	1-1/2	039416	1
3/8	1/4	1-3/4	039417	1
1/2	3/8	2	039418	1
5/8	3/8	2-1/4	039419	1
3/4	1/2	2-5/8	039420	1
1”	1/2	3	039464	1



Hole Saw Pilot Drill, 118° Split Point, High Speed Steel Bright Finish

- 118° self-centering split point
- Three-flatted shank prevents slippage in drill chuck
- Fits most popular hole saws

PD3F Series

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/4	.2500	1-3/8	4-1/4	093216	12

Bulk Master Pack

1/4	.2500	1-3/8	4-1/4	093216.20	288



1/4" Hex Shank, 118° Self-Centering Split Point, High Speed Steel, Black Oxide

- For hex or adjustable power tool chucks
- Designed for drilling precise holes
- For recommended use in hard wood, soft wood, plywood, particle board, plastic, metal

HEXT4 Series

Skin Card

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/16	.0625	5/8	2-1/4	045404	1
3/32	.0938	3/4	2-7/16	045406	1
1/8	.1250	7/8	2-5/8	045408	1
5/32	.1562	1	2-13/16	045410	1
3/16	.1875	1-1/8	3	045412	1
7/32	.2188	1-1/4	3-1/8	045414	1
1/4	.2500	1-3/8	3-3/16	045416	1

HEXT4 Series

Bulk Master Pack

1/16	.0625	5/8	2-1/4	045404.20	72
3/32	.0938	3/4	2-7/16	045406.20	72
1/8	.1250	7/8	2-5/8	045408.20	72
5/32	.1562	1	2-13/16	045410.20	72
3/16	.1875	1-1/8	3	045412.20	72
7/32	.2188	1-1/4	3-1/8	045414.20	72
1/4	.2500	1-3/8	3-3/16	045416.20	72



Corresponding Drill Set

T47HEX	Clamshell	7 Piece, 1/16"-1/4" by 32nds	045432



Body Drill, 135° Split Point, High Speed Steel Black Oxide

- Popular for pop-rivet drilling applications
- Use for drilling any thin sheet metal
- For recommended use in thin sheet metal

TSM7 Series (Single End)

Envelope

Size	Decimal Equivalent	Flute Length	Overall Length	Stock#	Pkg Qty
1/8	.1250	1/2	1-7/8	098708	12
3/16	.1875	1/2	2-3/16	098712	12
Wire					
30	.1285	1/2	1-15/16	098730	12

TSM8 Series (Double End)

Envelope

7/64	.1094	1/2	1-7/8	098807	12
1/8	.1250	1/2	2	098808	12
9/64	.1406	1/2	2	098809	12
5/32	.1562	1/2	2-1/16	098810	12
3/16	.1875	1/2	2-3/16	098812	12
7/32	.2188	1/2	2-3/8	098814	12
1/4	.2500	1/2	2-1/2	098816	12
11	.1910	1/2	2-1/4	098811	12
20	.1610	1/2	2-1/8	098820	12
30	.1285	1/2	2	098830	12

TSM8 Series (Double End)

Bulk Master Pack

7/64	.1094	1/2	1-7/8	098807.20	288
1/8	.1250	1/2	2	098808.20	288
9/64	.1406	1/2	2	098809.20	288
5/32	.1562	1/2	2-1/16	098810.20	288
3/16	.1875	1/2	2-3/16	098812.20	288
7/32	.2188	1/2	2-3/8	098814.20	288
1/4	.2500	1/2	2-1/2	098816.20	288
11	.1910	1/2	2-1/4	098811.20	288
20	.1610	1/2	2-1/8	098820.20	288
30	.1285	1/2	2	098830.20	288



Screw Extractor, Carbon Steel
Gray Finish

- Removes broken screws, bolts and studs quickly and easily
- Heat-treated finish to resist rust
- Use for removing threaded pipe sections

T13CX Series

Envelope

Screw Ext	For Removing Screw Size	Use Drill Size	Stock#	Pkg Qty
1	3/32 to 5/32	1/16 to 5/64	098131	12
2	5/32 to 7/32	3/32 to 7/64	098132	12
3	7/32 to 9/32	9/64 to 5/32	098133	12
4	9/32 to 3/8	7/32 to 1/4	098134	6
5	3/8 to 5/8, 1/8 and 1/4 pipe	17/64 to 19/64	098135	6
6*	5/8 to 7/8, 3/8 pipe	25/64 to 27/64	098136	1
7*	7/8 to 1-1/8, 1/2 pipe	33/64 to 35/64	098137	1
8*	1-1/8 to 1-3/8, 3/4 pipe	25/32 to 27/32	098138	1
9*	1-3/8 and up, 1" pipe	1-1/16 to 1-1/8	098139	1

*Packaging: Tubed

BP13CX Series

Skin Card

1	3/32 to 5/32	1/16 to 5/64	098231	1
2	5/32 to 7/32	3/32 to 7/64	098232	1
3	7/32 to 9/32	9/64 to 5/32	098233	1
4	9/32 to 3/8	7/32 to 1/4	098234	1
5	3/8 to 5/8, 1/8 & 1/4 pipe	17/64 to 19/64	098235	1

Corresponding Screw Extractor Sets



T40CX	4 Piece	#2 - #5	098140
T20CX	6 Piece	#1 - #6	098145
T50CX	10 Piece	#1-5 and 5/64, 7/64, 5/32, 1/4, 17/64	098150



Flat Woodboring Bit, Spade Point, Three Flats, Carbon Steel, Gray Finish

- Spade style with hollow ground point for clean hole finish
- For recommended use in hard wood, formica, particleboard

BPFWB Series

Skin Card

Size	Decimal Equivalent	Overall Length	Stock#	Pkg Qty
5/16	.3125	6	094620	1
3/8	.3750	6	094624	1
7/16	.4375	6	094628	1
1/2	.5000	6	094632	1
9/16	.5625	6	094636	1
5/8	.6250	6	094640	1
11/16	.6875	6	094644	1
3/4	.7500	6	094648	1
13/16	.8125	6	094652	1
7/8	.8750	6	094656	1
15/16	.9375	6	094660	1
1	1.0000	6	094664	1
1-1/8	1.1250	6	094708	1
1-1/4	1.2500	6	094716	1
1-3/8	1.3750	6	094724	1
1-1/2	1.5000	6	094732	1

Corresponding Drill Set



FWB6	Vinyl Pouch	6 Piece	3/8"-1" by 8ths	094286



Quick Change Chuck, Three Flats, Black Oxide

- Positive locking feature holds 1/4" hex shank drills and screw driver bits in place when withdrawing from working materials
- Installs in 3/8"or larger chucks
- Rust-resistant black oxide finish

TQCCI Series

Stock #099200 Packaging: Skin Card (1)