

JOBBERS LENGTH DRILLS - FRACTIONAL SIZES

SERIES 26: HIGH SPEED STEEL - BLACK OXIDE

SERIES 728: H.S.S. BRIGHT FINISH (Ground)

SERIES 848: H.S.S. HEAVY DUTY GOLD (TIN) COATED (Ground - 135° Split Point)

SERIES 529: H.S.S. FAST SPIRAL (For use with soft materials such as aluminum.)

SERIES 527: COBALT (M42) STEEL - 135° SPLIT POINT



Size	Dec. Equiv.	Flute Lgth.	Overall Lgth.	HIGH SPEED STEEL								Cobalt (M42)	
				Black Oxide		Bright Finish		Gold (TIN) Coated		Fast Spiral		Order No.	Price
				Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price		
1/64	.0156	3/16	3/4	1050001		7280101		8480101		-		-	
1/32	.0312	1/2	1-3/8	1050002		7280102		8480102		-		-	
3/64	.0469	3/4	1-3/4	1050003		7280103		8480103		-		5270103	
1/16	.0625	7/8	1-7/8	1050004		7280104		8480104		5290104		5270104	
5/64	.0781	1	2	1050005		7280105		8480105		5290105		5270105	
3/32	.0938	1-1/4	2-1/2	1050006		7280106		8480106		5290106		5270106	
7/64	.1094	1-1/2	2-5/8	1050007		7280107		8480107		5290107		5270107	
1/8	.1250	1-5/8	2-3/4	1050008		7280108		8480108		5290108		5270108	
9/64	.1406	1-3/4	2-7/8	1050009		7280109		8480109		5290109		5270109	
5/32	.1562	2	3-1/8	1050010		7280110		8480110		5290110		5270110	
11/64	.1719	2-1/8	3-1/4	1050011		7280111		8480111		5290111		5270111	
3/16	.1875	2-5/16	3-1/2	1050012		7280112		8480112		5290112		5270112	
13/64	.2031	2-7/16	3-5/8	1050013		7280113		8480113		5290113		5270113	
7/32	.2188	2-1/2	3-3/4	1050014		7280114		8480114		5290114		5270114	
15/64	.2344	2-5/8	3-7/8	1050015		7280315		8480115		5290115		5270115	
1/4	.2500	2-3/4	4	1050016		7280116		8480116		5290116		5270116	
17/64	.2656	2-7/8	4-1/8	1050017		7280117		8480117		5290117		5270117	
9/32	.2812	2-15/16	4-1/4	1050018		7280118		8480118		5290118		5270118	
19/64	.2969	3-1/16	4-3/8	1050019		7280119		8480119		5290119		5270119	
5/16	.3125	3-3/16	4-1/2	1050020		7280120		8480120		5290120		5270120	
21/64	.3281	3-5/16	4-5/8	1050021		7280121		8480121		5290121		5270121	
11/32	.3438	3-7/16	4-3/4	1050022		7280122		8480122		5290122		5270122	
23/64	.3594	3-1/2	4-7/8	1050023		7280123		8480123		5290123		5270123	
3/8	.3750	3-5/8	5	1050024		7280124		8480124		5290124		5270124	
25/64	.3906	3-3/4	5-1/8	1050025		7280125		8480125		5290125		5270125	
13/32	.4062	3-7/8	5-1/4	1050026		7280126		8480126		5290126		5270126	
27/64	.4219	3-15/16	5-3/8	1050027		7280127		8480127		5290127		5270127	
7/16	.4375	4-1/16	5-1/2	1050028		7280128		8480128		5290128		5270128	
29/64	.4531	4-3/16	5-5/8	1050029		7280129		8480129		5290129		5270129	
15/32	.4688	4-5/16	5-3/4	1050030		7280130		8480130		5290130		5270130	
31/64	.4844	4-3/8	5-7/8	1050031		7280131		8480131		5290131		5270131	
1/2	.5000	4-1/2	6	1050032		7280132		8480132		5290132		5270132	
33/64	.5156	4-13/16	6-5/8	1050033								5270133	
17/32	.5312	4-13/16	6-5/8	1050034								5270134	
35/64	.5469	4-13/16	6-5/8	1050035								5270135	
9/16	.5625	4-13/16	6-5/8	1050036								5270136	
37/64	.5781	4-13/16	6-5/8	1050037								5270137	
19/32	.5938	5-3/16	7-1/8	1050038								5270138	
39/64	.6094	5-3/16	7-1/8	1050039								5270139	
5/8	.6250	5-3/16	7-1/8	1050040								5270140	
41/64	.6406	5-3/16	7-1/8	1050041								5270141	
21/32	.6562	5-3/16	7-1/8	1050042								5270142	
43/64	.6719	5-5/8	7-5/8	1050043								5270143	
11/16	.6875	5-5/8	7-5/8	1050044								5270144	
3/4	.7500	5-5/8	7-5/8	1050048								-	
25/32	.7812	6-1/8	8-1/8	1050050								-	

CUTTING TOOLS - DRILLS

DRILL SETS - JOBBERS LENGTH - HIGH SPEED STEEL

SERIES 29:

All supplied in metal indexes unless otherwise specified.



Set Description	Pieces per Set	MEDA				STAR USA		VERMONT TAP & DIE		
		Surface Treated		Bright Finish		Bright Finish		Surface Treated	Bright Finish	
		Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Order No.	Price
Wire Gage - #1 thru #60	60	1450160		7280160		5280160		174726	174722	
Fractional - 1/16" thru 1/2" by 64ths	29	1450432		7280432		5280432		174700	174702	
Metric - 1mm thru 13mm by .5mm	25	1450113		-		-		174304	-	
Combination (inch) - #1 thru #60, 1/16" thru 1/2" by 64ths, A thru Z (All in one case)	115	1450115		7280115		5281115		174742	174743	

JOBBERS LENGTH DRILLS - WIRE GAUGE SIZES

SERIES 25: HIGH SPEED STEEL - BLACK OXIDE

SERIES 728: H.S.S. BRIGHT FINISH (Ground)

SERIES 848: H.S.S. HEAVY DUTY GOLD (TIN) COATED (Ground - 135° Split Point)

SERIES 529: H.S.S. FAST SPIRAL (For use with soft materials such as aluminum.)

SERIES 527: COBALT (M42) STEEL - 135° SPLIT POINT



CUTTING TOOLS - DRILLS

Size	Dec. Equiv	Flute Lgth	Overall Lgth.	HIGH SPEED STEEL								Cobalt (M42)	
				Black Oxide		Bright Finish		Gold (TN) Coated		Fast Spiral		Cobalt (M42)	
				Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1	.2280	2-5/8	3-7/8	1045001		7280001		848001		5290001		5270001	
2	.2210	2-5/8	3-7/8	1045002		7280002		848002		5290002		5270002	
3	.2130	2-1/2	3-3/4	1045003		7280003		848003		5290003		5270003	
4	.2090	2-1/2	3-3/4	1045004		7280004		848004		5290004		5270004	
5	.2055	2-1/2	3-3/4	1045005		7280005		848005		5290005		5270005	
6	.2040	2-1/2	3-3/4	1045006		7280006		848006		5290006		5270006	
7	.2010	2-7/16	3-5/8	1045007		7280007		848007		5290007		5270007	
8	.1990	2-7/16	3-5/8	1045008		7280008		848008		5290008		5270008	
9	.1960	2-7/16	3-5/8	1045009		7280009		848009		5290009		5270009	
10	.1935	2-7/16	3-5/8	1045010		7280010		848010		5290010		5270010	
11	.1910	2-5/16	3-1/2	1045011		7280011		848011		5290011		5270011	
12	.1890	2-5/16	3-1/2	1045012		7280012		848012		5290012		5270012	
13	.1850	2-5/16	3-1/2	1045013		7280013		848013		5290013		5270013	
14	.1820	2-3/16	3-3/8	1045014		7280014		848014		5290014		5270014	
15	.1800	2-3/16	3-3/8	1045015		7280015		848015		5290015		5270015	
16	.1770	2-3/16	3-3/8	1045016		7280016		848016		5290016		5270016	
17	.1730	2-3/16	3-3/8	1045017		7280017		848017		5290017		5270017	
18	.1695	2-1/8	3-1/4	1045018		7280018		848018		5290018		5270018	
19	.1660	2-1/8	3-1/4	1045019		7280019		848019		5290019		5270019	
20	.1610	2-1/8	3-1/4	1045020		7280020		848020		5290020		5270020	
21	.1590	2-1/8	3-1/4	1045021		7280021		848021		5290021		5270021	
22	.1570	2	3-1/8	1045022		7280022		848022		5290022		5270022	
23	.1540	2	3-1/8	1045023		7280023		848023		5290023		5270023	
24	.1520	2	3-1/8	1045024		7280024		848024		5290024		5270024	
25	.1495	1-7/8	3	1045025		7280025		848025		5290025		5270025	
26	.1470	1-7/8	3	1045026		7280026		848026		5290026		5270026	
27	.1440	1-7/8	3	1045027		7280027		848027		5290027		5270027	
28	.1405	1-3/4	2-7/8	1045028		7280028		848028		5290028		5270028	
29	.1360	1-3/4	2-7/8	1045029		7280029		848029		5290029		5270029	
30	.1285	1-5/8	2-3/4	1045030		7280030		848030		5290030		5270030	
31	.1200	1-5/8	2-3/4	1045031		7280031		848031		5290031		5270031	
32	.1160	1-5/8	2-3/4	1045032		7280032		848032		5290032		5270032	
33	.1130	1-1/2	2-5/8	1045033		7280033		848033		5290033		5270033	
34	.1110	1-1/2	2-5/8	1045034		7280034		848034		5290034		5270034	
35	.1100	1-1/2	2-5/8	1045035		7280035		848035		5290035		5270035	
36	.1065	1-7/16	2-1/2	1045036		7280036		848036		5290036		5270036	
37	.1040	1-7/16	2-1/2	1045037		7280037		848037		5290037		5270037	
38	.1015	1-7/16	2-1/2	1045038		7280038		848038		5290038		5270038	
39	.0995	1-3/8	2-3/8	1045039		7280039		848039		5290039		5270039	
40	.0980	1-3/8	2-3/8	1045040		7280040		848040		5290040		5270040	
41	.0960	1-3/8	2-3/8	1045041		7280041		848041		5290041		5270041	
42	.0935	1-1/4	2-1/4	1045042		7280042		848042		5290042		5270042	
43	.0890	1-1/4	2-1/4	1045043		7280043		848043		5290043		5270043	
44	.0860	1-1/8	2-1/8	1045044		7280044		848044		5290044		5270044	
45	.0820	1-1/8	2-1/8	1045045		7280045		848045		5290045		5270045	
46	.0810	1-1/8	2-1/8	1045046		7280046		848046		5290046		5270046	
47	.0785	1	2	1045047		7280047		848047		5290047		5270047	
48	.0760	1	2	1045048		7280048		848048		5290048		5270048	
49	.0730	1	2	1045049		7280049		848049		5290049		5270049	
50	.0700	1	2	1045050		7280050		848050		5290050		5270050	
51	.0670	1	2	1045051		7280051		848051		5290051		5270051	
52	.0635	7/8	1-7/8	1045052		7280052		848052		5290052		5270052	
53	.0595	7/8	1-7/8	1045053		7280053		848053		5290053		5270053	
54	.0550	7/8	1-7/8	1045054		7280054		848054		5290054		5270054	
55	.0521	7/8	1-7/8	1045055		7280055		848055		5290055		5270055	
56	.0465	3/4	1-3/4	1045056		7280056		848056		5290056		5270056	
57	.0430	3/4	1-3/4	1045057		7280057		848057		5290057		5270057	
58	.0420	11/16	1-5/8	1045058		7280058		848058		5290058		5270058	
59	.0410	11/16	1-5/8	1045059		7280059		848059		5290059		5270059	
60	.0400	11/16	1-5/8	1045060		7280060		848060		5290060		5270060	
61	.0390	11/16	1-5/8	1045061		7280061				5290061		5270061	
62	.0380	5/8	1-1/2	1045062		7280062				5290062		5270062	
63	.0370	5/8	1-1/2	1045063		7280063				5290063		5270063	
64	.0360	5/8	1-1/2	1045064		7280064				5290064		5270064	
65	.0350	5/8	1-1/2	1045065		7280065				5290065		5270065	
66	.0330	1/2	1-3/8	1045066		7280066				5290066		5270066	
67	.0320	1/2	1-3/8	1045067		7280067				5290067		5270067	
68	.0310	1/2	1-3/8	1045068		7280068				5290068		5270068	
69	.0292	1/2	1-3/8	1045069		7280069				5290069		5270069	
70	.0280	3/8	1-1/4	1045070		7280070				5290070		5270070	
71	.0260	3/8	1-1/4	1045071		7280071				5290071		5270071	
72	.0250	5/16	1-1/8	1045072		7280072				5290072		5270072	
73	.0240	5/16	1-1/8	1045073		7280073				5290073		5270073	
74	.0225	1/4	1	1045074		7280074				5290074		5270074	
75	.0210	1/4	1	1045075		7280075				5290075		5270075	
76	.0200	3/16	7/8	1045076		7280076				5290076		5270076	
77	.0180	3/16	7/8	1045077		7280077				5290077		5270077	
78	.0160	3/16	7/8	1045078		7280078				5290078		5270078	
79	.0145	3/16	3/4	1045079		7280079				5290079		5270079	
80	.0135	3/16	3/4	1045080		7280080				5290080		5270080	

HIGH SPEED STEEL

JOBBER'S LENGTH DRILLS - BLACK OXIDE

VERMONT TAP & DIE

SERIES 840:



SENSITIVE DRILL FEED

SERIES 318:



Pictured with optional drill chuck.

- 1/2" straight shank to Jacobs Taper 0.
- Finger sensitive control reduces drill breakage and amount of rejected parts when drilling small holes using high speed machinery.
- Applicable in Mills, Lathes, Drill Presses and Jig Borers.
- For use with any Drill Chucks having a JT0 back.

Order No.: 7360000

Price:

Drill Size	Dec. Equiv.	Overall Lgth.	Flute Lgth.	Order No.	Price
81	.0130	3/4	3/32	117295	
82	.0125	3/4	3/32	117287	
83	.0120	3/4	3/32	117279	
84	.0115	3/4	3/32	117261	
85	.0110	3/4	5/64	117253	
86	.0105	3/4	5/64	117246	
87	.0100	3/4	5/64	117238	
88	.0095	3/4	5/64	117220	
89	.0094	3/4	1/16	9117212	
90	.0087	3/4	1/16	117204	

Quality Cutting Tools



The Choice Is Yours!!!

JOBBER'S LENGTH DRILLS - LETTER SIZES

SERIES 27: HIGH SPEED STEEL - BLACK OXIDE

SERIES 728: H.S.S. BRIGHT FINISH (Ground)

SERIES 848: H.S.S. HEAVY DUTY GOLD (TIN) COATED (Ground - 135° Split Point)

SERIES 529: H.S.S. FAST SPIRAL (For use with soft materials such as aluminum.)

SERIES 527: COBALT (M42) STEEL - 135° SPLIT POINT



Size	Dec. Equiv.	Flute Lgth.	Overall Lgth.	HIGH SPEED STEEL									
				Black Oxide		Bright Finish		Gold (TIN) Coated		Fast Spiral		Cobalt (M42)	
				Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
A	.2340	2-5/8	3-7/8	1055001		7280201		8480201		5290201		5270201	
B	.2380	2-3/4	4	1055002		7280202		8480202		5290202		5270202	
C	.2420	2-3/4	4	1055003		7280203		8480203		5290203		5270203	
D	.2460	2-3/4	4	1055004		7280204		8480204		5290204		5270204	
E	.2500	2-3/4	4	1055005		7280205		8480205		5290205		5270205	
F	.2570	2-7/8	4-1/8	1055006		7280206		8480206		5290206		5270206	
G	.2610	2-7/8	4-1/8	1055007		7280207		8480207		5290207		5270207	
H	.2660	2-7/8	4-1/8	1055008		7280208		8480208		5290208		5270208	
I	.2720	2-7/8	4-1/8	1055009		7280209		8480209		5290209		5270209	
J	.2770	2-7/8	4-1/8	1055010		7280210		8480210		5290210		5270210	
K	.2810	2-15/16	4-1/4	1055011		7280211		8480211		5290211		5270211	
L	.2900	2-15/16	4-1/4	1055012		7280212		8480112		5290212		5270212	
M	.2950	3-1/16	4-3/8	1055013		7280213		8480213		5290213		5270213	
N	.3020	3-1/16	4-3/8	1055014		7280214		8480214		5290214		5270214	
O	.3160	3-3/16	4-1/2	1055015		7280215		8480215		5290215		5270215	
P	.3230	3-5/16	4-5/8	1055016		7280216		8480216		5290216		5270216	
Q	.3320	3-7/16	4-3/4	1055017		7280217		8480217		5290217		5270217	
R	.3390	3-7/16	4-3/4	1055018		7280218		8480218		5290218		5270218	
S	.3480	3-1/2	4-7/8	1055019		7280219		8480219		5290219		5270219	
T	.3580	3-1/2	4-7/8	1055020		7280220		8480220		5290220		5270220	
U	.3680	3-5/8	5	1055021		7280221		8480221		5290221		5270221	
V	.3770	3-5/8	5	1055022		7280222		8480222		5290222		5270222	
W	.3860	3-3/4	5-1/8	1055023		7280223		8480223		5290223		5270223	
X	.3970	3-3/4	5-1/8	1055024		7280224		8480224		5290224		5270224	
Y	.4040	3-7/8	5-1/4	1055025		7280225		8480225		5290225		5270225	
Z	.4130	3-7/8	5-1/4	1055026		7280226		8480226		5290226		5270226	

JOBBERS LENGTH DRILLS



SERIES 528: HIGH SPEED STEEL - RIGHT HAND
 SERIES 844: H.S.S. HEAVY DUTY - 135° SPLIT POINT
 SERIES 846: H.S.S. GOLD (TIN) COATED
 SERIES 845: COBALT (M42) - 135° SPLIT POINT
 SERIES 976: HIGH SPEED STEEL - LEFT HAND



CUTTING TOOLS - DRILLS

Size	Dec. Equiv.	Flute Lgth.	OAL	H.S.S. - RH		H.S.S. Heavy Duty		H.S.S. Gold Ctd.		Cobalt		H.S.S. - LH	
				Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/64	.0156	3/16	3/4	5280101		-		-		-		-	
1/32	.0312	1/2	1-3/8	5280102		-		-		-		-	
3/64	.0469	3/4	1-3/4	5280103		-		-		-		9760103	
1/16	.0625	7/8	1-7/8	5280104		8440104		8460104		8450104		9760104	
5/64	.0781	1	2	5280105		8440105		8460105		8450105		760105	
3/32	.0938	1-1/4	2-1/2	5280106		8440106		8460106		8450106		9760106	
7/64	.1094	1-1/2	2-5/8	5280107		8440107		8460107		8450107		9760107	
1/8	.1250	1-5/8	2-3/4	5280108		8440108		8460108		8450108		9760108	
9/64	.1406	1-3/4	2-7/8	5280109		8440109		8460109		8450109		9760109	
5/32	.1562	2	3-1/8	5280110		8440110		8460110		8450110		760110	
11/64	.1719	2-1/8	3-1/4	5280111		8440111		8460111		8450111		9760111	
3/16	.1875	2-5/16	3-1/2	5280112		8440112		8460112		8450112		9760112	
13/64	.2031	2-7/16	3-5/8	5280113		8440113		8460113		8450113		9760113	
7/32	.2188	2-1/2	3-3/4	5280114		8440114		8460114		8450114		9760114	
15/64	.2344	2-5/8	3-7/8	5280115		8440115		8460115		8450115		760115	
1/4	.2500	2-3/4	4	5280116		8440116		8460116		8450116		9760116	
17/64	.2656	2-7/8	4-1/8	5280117		8440117		8460117		8450117		9760117	
9/32	.2812	2-15/16	4-1/4	5280118		8440118		8460118		8450118		9760118	
19/64	.2969	3-1/16	4-3/8	5280119		8440119		8460119		8450119		9760119	
5/16	.3125	3-3/16	4-1/2	5280120		8440120		8460120		8450120		760120	
21/64	.3281	3-5/16	4-5/8	5280121		8440121		8460121		8450121		9760121	
11/32	.3438	3-7/16	4-3/4	5280122		8440122		8460122		8450122		9760122	
23/64	.3594	3-1/2	4-7/8	5280123		8440123		8460123		8450123		9760123	
3/8	.3750	3-5/8	5	5280124		8440124		8460124		8450124		9760124	
25/64	.3906	3-3/4	5-1/8	5280125		8440125		8460125		8450125		760125	
13/32	.4062	3-7/8	5-1/4	5280126		8440126		8460126		8450126		9760126	
27/64	.4219	3-15/16	5-3/8	5280127		8440127		8460127		8450127		9760127	
7/16	.4375	4-1/16	5-1/2	5280128		8440128		8460128		8450128		9760128	
29/64	.4531	4-3/16	5-5/8	5280129		8440129		8460129		8450129		9760129	
15/32	.4688	4-5/16	5-3/4	5280130		8440130		8460130		8450130		9760130	
31/64	.4844	4-3/8	5-7/8	5280131		8440131		8460131		8450131		9760131	
1/2	.5000	4-1/2	6	5280132		8440132		8460132		8450132		9760132	

JOBBERS LENGTH DRILLS

VERMONT TAP & DIE



SERIES 840:

- H.S.S. BLACK OXIDE
- H.S.S. BRIGHT FINISH
- H.S.S. FAST SPIRAL
- COBALT (M42)
- H.S.S. GOLD (TIN) COATED

Size	Flute Lgth.	Overall Lgth.	HIGH SPEED STEEL						Cobalt (M42)		H.S.S. Gold (TIN) Coated	
			Black Oxide		Bright Finish		Fast Spiral		Order No.	Price	Order No.	Price
			Order No.	Price	Order No.	Price	Order No.	Price				
1/64	3/16	3/4	110001		111008		-		-		-	
1/32	1/2	1-3/8	110019		111016		-		-		-	
3/64	3/4	1-3/4	110027		111024		121602		-		-	
1/16	7/8	1-7/8	110035		111032		121610		130637		111038	
5/64	1	2	110043		111040		121628		130645		111046	
3/32	1-1/4	2-1/2	110050		111057		121636		130652		111053	
7/64	1-1/2	2-5/8	110068		111065		121644		130660		111061	
1/8	1-5/8	2-3/4	110076		111073		121651		130678		111079	
9/64	1-3/4	2-7/8	110084		111081		121669		130686		111087	
5/32	2	3-1/8	110092		111099		121677		130694		111095	
11/64	2-1/8	3-1/4	110099		111007		121685		130702		111103	
3/16	2-5/16	3-1/2	110118		111115		121693		130710		111111	
13/64	2-7/16	3-5/8	110126		111123		121702		130728		111129	
7/32	2-1/2	3-3/4	110134		111131		121719		130736		111137	
15/64	2-5/8	3-7/8	110142		111149		121727		130744		111145	
1/4	2-3/4	4	110159		111156		121735		130751		111152	
17/64	2-7/8	4-1/8	110167		111164		121743		130769		111160	
9/32	2-15/16	4-1/4	110175		111172		121750		130777		111178	
19/64	3-1/16	4-3/8	110183		111180		121768		130785		111186	
5/16	3-3/16	4-1/2	110191		111198		121776		130793		111194	

JOBBERS LENGTH DRILLS (Continued)

VERMONT TAP & DIE



SERIES 840:

- H.S.S. BLACK OXIDE
- H.S.S. BRIGHT FINISH
- H.S.S. FAST SPIRAL
- H.S.S. COBALT (M42)
- H.S.S. GOLD (TIN) COATED

Size	Flute Lgth.	Overall Lgth.	HIGH SPEED STEEL						Cobalt (M42)		H.S.S. Gold (TIN) Coated	
			Black Oxide		Bright Finish		Fast Spiral		Order No.	Price	Order No.	Price
			Order No.	Price	Order No.	Price	Order No.	Price				
21/64	3-5/16	4-5/8	110209		111206		121784		130802		111202	
11/32	3-7/16	4-3/4	110217		111214		121792		130819		111210	
23/64	3-1/2	4-7/8	110225		111222		121799		130827		111228	
3/8	3-5/8	5	110233		111230		121818		130835		111236	
25/64	3-3/4	5-1/8	110241		111248		121826		130843		111244	
13/32	3-7/8	5-1/4	110258		111255		121834		130850		111251	
27/64	3-15/16	5-3/8	110266		111263		121842		130868		111269	
7/16	4-1/16	5-1/2	110274		111271		121859		130876		111277	
29/64	4-3/16	5-5/8	110282		111289		121867		130884		111285	
15/32	4-5/16	5-3/4	110290		111297		121875		130892		111293	
31/64	4-3/8	5-7/8	110308		111305		121883		130899		111302	
1/2	4-1/2	6	110316		111313		121891		130918		111319	
33/64	4-13/16	6-5/8	110324		111321		-		-		111327	
17/32	4-13/16	6-5/8	110332		111339		-		-		111335	
35/64	4-13/16	6-5/8	110340		111347		-		-		111343	
9/16	4-13/16	6-5/8	110357		111354		-		-		111350	
37/64	4-13/16	6-5/8	110365		111362		-		-		111368	
19/32	5-3/16	7-1/8	110373		111370		-		-		111376	
39/64	5-3/16	7-1/8	110381		111388		-		-		111384	
5/8	5-3/16	7-1/8	110399		111396		-		-		111392	
41/64	5-3/16	7-1/8	110407		111404		-		-		111399	
21/32	5-3/16	7-1/8	110415		111412		-		-		111418	
43/64	5-5/8	7-5/8	110423		111420		-		-		111426	
11/16	5-5/8	7-5/8	110431		111438		-		-		111434	

HIGH SPEED STEEL / UNCOATED AND GOLD (TIN) COATED

JOBBERS LENGTH DRILLS - HEAVY DUTY 135° SPLIT POINT & PARABOLIC

VERMONT TAP & DIE

SERIES 840:



Drill Size	Decimal Equivalent	Overall Length	Flute Length	Heavy Duty		H.D. Coated		Parabolic		Parabolic Coated	
				Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
3/64	.0469	1-3/4	3/4	119002		-		-		-	
1/16	.0625	1-7/8	7/8	119010		119016		-		-	
5/64	.0781	2	1	119028		119024		-		-	
3/32	.0938	2-1/4	1-1/4	119036		9119032		-		-	
7/64	.1094	2-5/8	1-1/2	119044		119040		-		-	
1/8	.1250	2-3/4	1-5/8	119051		119057		245302		245308	
9/64	.1406	2-7/8	1-3/4	119069		119065		245310		245316	
5/32	.1562	3-1/8	2	119077		119073		245328		245324	
11/64	.1719	3-1/4	2-1/8	119085		119081		245336		245332	
3/16	.1875	3-1/2	2-5/16	119093		119099		245344		245340	
13/64	.2031	3-5/8	2-7/16	119101		119107		245351		245357	
7/32	.2188	3-3/4	2-1/2	119119		119115		245369		245365	
15/64	.2344	3-7/8	2-5/8	119127		119123		245377		245373	
1/4	.2500	4	2-3/4	119135		9119131		245385		245381	
17/64	.2656	4-1/8	2-7/8	119143		119149		245393		245399	
9/32	.2812	4-1/4	2-15/16	119150		119156		245401		245407	
19/64	.2969	4-3/8	3-1/16	119168		119164		245419		245415	
5/16	.3125	4-1/2	3-3/16	119176		9119172		245427		245423	
21/64	.3281	4-5/8	3-5/16	119184		119180		245435		245431	
11/32	.3438	4-3/4	3-7/16	119192		119198		245443		245449	
23/64	.3594	4-7/8	3-1/2	119200		119206		245450		245456	
3/8	.3750	5	3-5/8	119218		9119214		245468		245464	
25/64	.3906	5-1/8	3-3/4	119226		119222		245476		245472	
13/32	.4062	5-1/4	3-7/8	119234		119230		245484		245480	
27/64	.4219	5-3/8	3-15/16	119242		119248		245492		245498	
7/16	.4375	5-1/2	4-1/16	119259		9119255		245501		245506	
29/64	.4531	5-5/8	4-3/16	119267		119263		245518		245514	
15/32	.4688	5-3/4	4-5/16	119275		119271		245527		245522	
31/64	.4844	5-7/8	4-3/8	119283		119289		245534		245530	
1/2	.5000	6	4-1/2	119291		9119297		245542		245548	

JOBBERS LENGTH DRILLS

SERIES 528: HIGH SPEED STEEL - RIGHT HAND
 SERIES 844: H.S.S. HEAVY DUTY - 135° SPLIT POINT
 SERIES 845: COBALT (M42) STEEL - 135° SPLIT POINT
 SERIES 976: HIGH SPEED STEEL - LEFT HAND



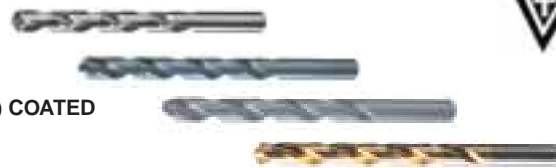
CUTTING TOOLS - DRILLS

Size	Dec. Equiv	Flute Lgth.	Overall Length	H.S.S - RH		H.S.S. Heavy Duty		Cobalt (M42)		H.S.S. - LH	
				Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1	.2280	2-5/8	3-7/8	5280001		8440001		8450001		976001	
2	.2210	2-5/8	3-7/8	5280002		8440002		8450002		976002	
3	.2130	2-1/2	3-3/4	5280003		8440003		8450003		976003	
4	.2090	2-1/2	3-3/4	5280004		8440004		8451004		976004	
5	.2055	2-1/2	3-3/4	5280005		8440005		8450005		976005	
6	.2040	2-1/2	3-3/4	5280006		8440006		8450006		976006	
7	.2010	2-7/16	3-5/8	5280007		8440007		8450007		976007	
8	.1990	2-7/16	3-5/8	5280008		8440008		8450008		976008	
9	.1960	2-7/16	3-5/8	5280009		8440009		8450009		976009	
10	.1935	2-7/16	3-5/8	5280010		8440010		8450010		976010	
11	.1910	2-5/16	3-1/2	5280011		8440011		8450011		976011	
12	.1890	2-5/16	3-1/2	5280012		8440012		8450012		976012	
13	.1850	2-5/16	3-1/2	5280013		8440013		8450013		976013	
14	.1820	2-3/16	3-3/8	5280014		8440014		8450014		976014	
15	.1800	2-3/16	3-3/8	5280015		8440015		8450015		976015	
16	.1770	2-3/16	3-3/8	5280016		8440016		8450016		976016	
17	.1730	2-3/16	3-3/8	5280017		8440017		8450017		976017	
18	.1695	2-1/8	3-1/4	5280018		8440018		8450018		976018	
19	.1660	2-1/8	3-1/4	5280019		8440019		8450019		976019	
20	.1610	2-1/8	3-1/4	5280020		8440020		8450020		976020	
21	.1590	2-1/8	3-1/4	5280021		8440021		8450021		976021	
22	.1570	2	3-1/8	5280022		8440022		8450022		976022	
23	.1540	2	3-1/8	5280023		8440023		8450023		976023	
24	.1520	2	3-1/8	5280024		8440024		8450024		976024	
25	.1495	1-7/8	3	5280025		8440025		8450025		976025	
26	.1470	1-7/8	3	5280026		8440026		8450026		976026	
27	.1440	1-7/8	3	5280027		8440027		8450027		976027	
28	.1405	1-3/4	2-7/8	5280028		8440028		8450028		976028	
29	.1360	1-3/4	2-7/8	5280029		8440029		8450029		976029	
30	.1285	1-5/8	2-3/4	5280030		8440030		8450030		976030	
31	.1200	1-5/8	2-3/4	5280031		8440031		8450031		976031	
32	.1160	1-5/8	2-3/4	5280032		8440032		8450032		976032	
33	.1130	1-1/2	2-5/8	5280033		8440033		8450033		976033	
34	.1110	1-1/2	2-5/8	5280034		8440034		8450034		976034	
35	.1100	1-1/2	2-5/8	5280035		8440035		8450035		976035	
36	.1065	1-7/16	2-1/2	5280036		8440036		8450036		976036	
37	.1040	1-7/16	2-1/2	5280037		8440037		8450037		976037	
38	.1015	1-7/16	2-1/2	5280038		8440038		8450038		976038	
39	.0995	1-3/8	2-3/8	5280039		8440039		8450039		976039	
40	.0980	1-3/8	2-3/8	5280040		8440040		8450040		976040	
41	.0960	1-3/8	2-3/8	5280041		8440041		8450041		976041	
42	.0935	1-1/4	2-1/4	5280042		8440042		8450042		976042	
43	.0890	1-1/4	2-1/4	5280043		8440043		8450043		976043	
44	.0860	1-1/8	2-1/8	5280044		8440044		8450044		976044	
45	.0820	1-1/8	2-1/8	5280045		8440045		8450045		976045	
46	.0810	1-1/8	2-1/8	5280046		8440046		8450046		976046	
47	.0785	1	2	5280047		8440047		8450047		976047	
48	.0760	1	2	5280048		8440048		8450048		976048	
49	.0730	1	2	5280049		8440049		8450049		976049	
50	.0700	1	2	5280050		8442050		8450050		976050	
51	.0670	1	2	5280051		8440051		8450051		976051	
52	.0635	7/8	1-7/8	5280052		8440052		8450052		976052	
53	.0595	7/8	1-7/8	5280053		8440053		8450053		976053	
54	.0550	7/8	1-7/8	5280054		8440054		8450054		976054	
55	.0521	7/8	1-7/8	5280055		8440055		8450055		976055	
56	.0465	3/4	1-3/4	5280056		8440056		8450056		976056	
57	.0430	3/4	1-3/4	5280057		8440057		8450057		976057	
58	.0420	11/16	1-5/8	5280058		8440058		8450058		976058	
59	.0410	11/16	1-5/8	5280059		8440059		8450059		976059	
60	.0400	11/16	1-5/8	5280060		8440060		8450060		976060	
61	.0390	11/16	1-5/8	5280061		-		8450061		-	
62	.0380	5/8	1-1/2	5280062		-		8450062		-	
63	.0370	5/8	1-1/2	5280063		-		8450063		-	
64	.0360	5/8	1-1/2	5280064		-		8450064		-	
65	.0350	5/8	1-1/2	5280065		-		8450065		-	
66	.0330	1/2	1-3/8	5280066		-		8450066		-	
67	.0320	1/2	1-3/8	5280067		-		8450067		-	
68	.0310	1/2	1-3/8	5280068		-		8450068		-	
69	.0292	1/2	1-3/8	5280069		-		8450069		-	
70	.0280	3/8	1-1/4	5280070		-		8450070		-	
71	.0260	3/8	1-1/4	5280071		-		8450071		-	
72	.0250	5/16	1-1/8	5280072		-		8450072		-	
73	.0240	5/16	1-1/8	5280073		-		8450073		-	
74	.0225	1/4	1	5280074		-		8450074		-	
75	.0210	1/4	1	5280075		-		8450075		-	
76	.0200	3/16	7/8	5280076		-		8450076		-	
77	.0180	3/16	7/8	5280077		-		8450077		-	
78	.0160	3/16	7/8	5280078		-		8450078		-	
79	.0146	3/16	3/4	5280079		-		8450079		-	
80	.0135	3/16	3/4	5280080		-		8450080		-	

HIGH SPEED STEEL
JOBBERS LENGTH DRILLS

VERMONT TAP & DIE

SERIES 840: • BRIGHT FINISH • BLACK OXIDE
HEAVY DUTY 135° SPLIT POINT - SURFACE TREATED AND GOLD (TIN) COATED



Size	Dec. Equiv.	Flute Lgth.	OAL	Black Oxide	Bright Finish	Price	Black Oxide Heavy Duty		Gold (TIN) Coated Heavy Duty	
				Order No.	Order No.		Order No.	Price	Order No.	Price
1	.2280	2-5/8	3-7/8	113799	114796		120596		120592	
2	.2210	2-5/8	3-7/8	113781	114788		120588		120584	
3	.2130	2-1/2	3-3/4	113773	114770		120570		120576	
4	.2090	2-1/2	3-3/4	113765	114762		120562		120568	
5	.2055	2-1/2	3-3/4	113757	114754		120554		120550	
6	.2040	2-1/2	3-3/4	113740	114747		120547		120543	
7	.2010	2-7/16	3-5/8	113732	114739		120539		120535	
8	.1990	2-7/16	3-5/8	113724	114721		120521		120527	
9	.1960	2-7/16	3-5/8	113716	114713		120513		120519	
10	.1935	2-7/16	3-5/8	113708	114705		120505		120501	
11	.1910	2-5/16	3-1/2	113690	114697		120497		120493	
12	.1890	2-5/16	3-1/2	113682	114689		120489		120485	
13	.1850	2-5/16	3-1/2	113674	114671		120471		120477	
14	.1820	2-3/16	3-3/8	113666	114663		120463		120469	
15	.1800	2-3/16	3-3/8	113658	114655		120455		120451	
16	.1770	2-3/16	3-3/8	113641	114648		120448		120444	
17	.1730	2-3/16	3-3/8	113633	114630		120430		120436	
18	.1695	2-1/8	3-1/4	113625	114622		120422		120428	
19	.1660	2-1/8	3-1/4	113617	114614		120414		120410	
20	.1610	2-1/8	3-1/4	113609	114606		120406		120402	
21	.1590	2-1/8	3-1/4	113591	114598		120398		120394	
22	.1570	2	3-1/8	113583	114580		120380		120386	
23	.1540	2	3-1/8	113575	114572		120372		120378	
24	.1520	2	3-1/8	113567	114564		120364		120360	
25	.1495	1-7/8	3	113559	114556		120356		120352	
26	.1470	1-7/8	3	113542	114549		120349		120345	
27	.1440	1-7/8	3	113534	114531		120331		120337	
28	.1405	1-3/4	2-7/8	113526	114523		120323		120329	
29	.1360	1-3/4	2-7/8	113518	114515		120315		120311	
30	.1285	1-5/8	2-3/4	113500	114507		120307		120303	
31	.1200	1-5/8	2-3/4	113499	114499		120299		120295	
32	.1160	1-5/8	2-3/4	113484	114481		120281		120287	
33	.1130	1-1/2	2-5/8	113476	114473		120273		120279	
34	.1110	1-1/2	2-5/8	113468	114465		120265		120261	
35	.1100	1-1/2	2-5/8	113450	114457		120257		120253	
36	.1065	1-7/16	2-1/2	113443	114440		120240		120246	
37	.1040	1-7/16	2-1/2	113435	114432		120232		120238	
38	.1015	1-7/16	2-1/2	113427	114424		120224		120220	
39	.0995	1-3/8	2-3/8	113419	114416		120216		120212	
40	.0980	1-3/8	2-3/8	113401	114408		120208		9120204	
41	.0960	1-3/8	2-3/8	113393	114390		120190		120196	
42	.0935	1-1/4	2-1/4	113385	114382		120182		120188	
43	.0890	1-1/4	2-1/4	113377	114374		120174		120170	
44	.0860	1-1/8	2-1/8	113369	114366		120166		120162	
45	.0820	1-1/8	2-1/8	113351	114358		120158		120154	
46	.0810	1-1/8	2-1/8	113344	114341		120141		120147	
47	.0785	1	2	113336	114333		120133		120139	
48	.0760	1	2	113328	114325		120125		120121	
49	.0730	1	2	113310	114317		120117		120113	
50	.0700	1	2	113302	114309		120109		120105	
51	.0670	1	2	113294	114291		120091		120097	
52	.0635	7/8	1-7/8	113286	114283		120083		120089	
53	.0595	7/8	1-7/8	113278	114275		120075		120630	
54	.0550	7/8	1-7/8	113260	114267		120067		120631	
55	.0521	7/8	1-7/8	113252	114259		120059		9920632	
56	.0465	3/4	1-3/4	113245	114242		120042		120633	
57	.0430	3/4	1-3/4	113237	114234		120034		120634	
58	.0420	11/16	1-5/8	113229	114226		120026		120635	
59	.0410	11/16	1-5/8	113211	114218		120018		120636	
60	.0400	11/16	1-5/8	113203	114199		120000		120637	
61	.0390	11/16	1-5/8	-	113195		120001		120638	
62	.0380	5/8	1-1/2	-	113187		120002		120639	
63	.0370	5/8	1-1/2	-	113179		120003		9120640	
64	.0360	5/8	1-1/2	-	113161		120004		120641	
65	.0350	5/8	1-1/2	-	113153		120005		120642	
66	.0330	1/2	1-3/8	-	113146		120006		120643	
67	.0320	1/2	1-3/8	-	113138		120007		120644	
68	.0310	1/2	1-3/8	-	113120		120008		120645	
69	.0292	1/2	1-3/8	-	113112		120009		120646	
70	.0280	3/8	1-1/4	-	113104		120010		120647	
71	.0260	3/8	1-1/4	-	113096		120011		120648	
72	.0250	5/16	1-1/8	-	113088		120012		120649	
73	.0240	5/16	1-1/8	-	113070		120013		120650	
74	.0225	1/4	1	-	113062		120014		120651	
75	.0210	1/4	1	-	113054		120015		120652	
76	.0200	3/16	7/8	-	113047		120016		120653	
77	.0180	3/16	7/8	-	113039		120017		120654	
78	.0160	3/16	7/8	-	113021		120019		120655	
79	.0146	3/16	3/4	-	113013		120020		120656	
80	.0135	3/16	3/4	-	113005		120021		120657	

CUTTING TOOLS - DRILLS

JOBBERS LENGTH DRILLS -

VERMONT TAP & DIE

SERIES 840: • FAST SPIRAL • COBALT (M42)

• PARABOLIC • GOLD (TIN) COATED



CUTTING TOOLS - DRILLS

Size	Dec. Equiv.	Flute Lgth.	Overall Lgth.	H.S.S. Fast Spiral		Cobalt (M42)		H.S.S. Parabolic		H.S.S. Gold (TIN) Ctd.	
				Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1	.2280	2-5/8	3-7/8	121902		131593		969141		114792	
2	.2210	2-5/8	3-7/8	121903		131585		969142		114784	
3	.2130	2-1/2	3-3/4	121904		131577		969143		114776	
4	.2090	2-1/2	3-3/4	121905		131569		969144		114768	
5	.2055	2-1/2	3-3/4	121906		131551		969145		114750	
6	.2040	2-1/2	3-3/4	121907		131544		969146		114743	
7	.2010	2-7/16	3-5/8	121908		131536		969147		114735	
8	.1990	2-7/16	3-5/8	121909		131528		969148		114727	
9	.1960	2-7/16	3-5/8	121910		131510		969149		114719	
10	.1935	2-7/16	3-5/8	121911		131502		969150		114701	
11	.1910	2-5/16	3-1/2	121912		131494		969151		114693	
12	.1890	2-5/16	3-1/2	121913		131486		969152		114685	
13	.1850	2-5/16	3-1/2	121914		131478		969153		114677	
14	.1820	2-3/16	3-3/8	121915		131460		969154		114669	
15	.1800	2-3/16	3-3/8	121916		131452		969155		114651	
16	.1770	2-3/16	3-3/8	121917		131445		969156		114644	
17	.1730	2-3/16	3-3/8	121918		131437		969157		114636	
18	.1695	2-1/8	3-1/4	121919		131429		969158		114628	
19	.1660	2-1/8	3-1/4	121920		131411		969159		114610	
20	.1610	2-1/8	3-1/4	121921		131403		969160		114602	
21	.1590	2-1/8	3-1/4	121922		131395		969161		114594	
22	.1570	2	3-1/8	121923		131387		969162		114586	
23	.1540	2	3-1/8	121924		131379		969163		114578	
24	.1520	2	3-1/8	121925		131361		969164		114560	
25	.1495	1-7/8	3	121926		131353		969165		114552	
26	.1470	1-7/8	3	121927		131346		969166		114545	
27	.1440	1-7/8	3	121928		131338		969167		114537	
28	.1405	1-3/4	2-7/8	121929		131320		969168		114529	
29	.1360	1-3/4	2-7/8	121930		131312		969169		114511	
30	.1285	1-5/8	2-3/4	121931		131304		969170		114503	
31	.1200	1-5/8	2-3/4	121932		131296		969171		114495	
32	.1160	1-5/8	2-3/4	121933		131288		969172		114487	
33	.1130	1-1/2	2-5/8	121934		131270		969173		114479	
34	.1110	1-1/2	2-5/8	121935		131262		969174		114461	
35	.1100	1-1/2	2-5/8	121936		131254		969175		114453	
36	.1065	1-7/16	2-1/2	121937		131247		969176		114446	
37	.1040	1-7/16	2-1/2	121938		131239		969177		114438	
38	.1015	1-7/16	2-1/2	121939		131221		969178		114420	
39	.0995	1-3/8	2-3/8	121940		131213		969179		114412	
40	.0980	1-3/8	2-3/8	121941		131205		969180		114404	
41	.0960	1-3/8	2-3/8	121942		131197		969181		114396	
42	.0935	1-1/4	2-1/4	121943		131189		969182		114388	
43	.0890	1-1/4	2-1/4	121944		131171		969183		114370	
44	.0860	1-1/8	2-1/8	121945		131163		969184		114362	
45	.0820	1-1/8	2-1/8	121946		131155		969185		114354	
46	.0810	1-1/8	2-1/8	121947		131148		969186		114347	
47	.0785	1	2	121948		131130		969187		114339	
48	.0760	1	2	121949		131122		969188		114321	
49	.0730	1	2	121950		131114		969189		114313	
50	.0700	1	2	121951		138376		969190		114305	
51	.0670	1	2	121952		131098		969191		114297	
52	.0635	7/8	1-7/8	121953		131080		969192		114289	
53	.0595	7/8	1-7/8	121954		131072		-		114271	
54	.0550	7/8	1-7/8	121955		131064		-		114263	
55	.0521	7/8	1-7/8	121956		131056		-		114255	
56	.0465	3/4	1-3/4	121957		131049		-		114248	
57	.0430	3/4	1-3/4	121958		131037		-		114230	
58	.0420	11/16	1-5/8	121959		131035		-		114222	
59	.0410	11/16	1-5/8	121960		131033		-		114214	
60	.0400	11/16	1-5/8	121961		131003		-		114206	
61	.0390	11/16	1-5/8	121962		131002		-		114198	
62	.0380	5/8	1-1/2	121963		130995		-		114190	
63	.0370	5/8	1-1/2	121964		130987		-		114182	
64	.0360	5/8	1-1/2	121965		130979		-		114174	
65	.0350	5/8	1-1/2	121966		130971		-		114166	
66	.0330	1/2	1-3/8	121967		130963		-		114158	
67	.0320	1/2	1-3/8	121968		130955		-		114150	
68	.0310	1/2	1-3/8	121969		130947		-		114142	
69	.0292	1/2	1-3/8	121970		130939		-		114134	
70	.0280	3/8	1-1/4	121971		130931		-		114126	
71	.0260	3/8	1-1/4	121972		130923		-		114118	
72	.0250	5/16	1-1/8	121973		130915		-		114110	
73	.0240	5/16	1-1/8	121974		130907		-		114102	
74	.0225	1/4	1	121975		130898		-		114094	
75	.0210	1/4	1	121976		130891		-		114086	
76	.0200	3/16	7/8	121977		130883		-		114078	
77	.0180	3/16	7/8	121978		130875		-		114070	
78	.0160	3/16	7/8	121979		130867		-		9114062	
79	.0146	3/16	3/4	121980		130859		-		114054	
80	.0135	3/16	3/4	121981		130851		-		114046	

JOBBERS LENGTH DRILLS

SERIES 528: HIGH SPEED STEEL - BRIGHT FINISH
 SERIES 844: H.S.S. HEAVY DUTY - 135° SPLIT POINT
 SERIES 845: COBALT (M42) STEEL - 135° SPLIT POINT



HIGH SPEED STEEL
 JOBBER LENGTH DRILLS -
 VERMONT TAP & DIE
 SERIES 840: • BRIGHT • BLACK • HEAVY DUTY -
 135° SPLIT POINT



Size	Flute Lgth	Overall Lgth	STAR USA						VERMONT TAP & DIE				
			H.S.S		Heavy Duty		Cobalt (M42)		Black Oxide	Bright Finish		Heavy Duty	
			Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Order No.	Price	Order No.	Price
A	2-5/8	3-7/8	5280201		8440201		8450201		116008	116403		119408	
B	2-3/4	4	5280202		8440202		8450202		116016	116411		119416	
C	2-3/4	4	5280203		8440203		8450203		116024	116429		119424	
D	2-3/4	4	5280204		8440204		8450204		116032	116437		119432	
E, 1/4	2-3/4	4	5280205		8440205		8450205		111156	110159		119135	
F	2-7/8	4-1/8	5280206		8440206		8450206		116057	116452		119457	
G	2-7/8	4-1/8	5280207		8440207		8450207		116065	116460		119465	
H	2-7/8	4-1/8	5280208		8440208		8450208		116073	116478		119473	
I	2-7/8	4-1/8	5280209		8440209		8450209		116081	116486		119481	
J	2-7/8	4-1/8	5280210		8440210		8450210		116099	116494		119499	
K	2-15/16	4-1/4	5280211		8440211		8450211		116107	116502		119507	
L	2-15/16	4-1/4	5280212		8440212		8450212		116115	116510		119515	
M	3-1/16	4-3/8	5280213		8440213		8450213		116123	116528		119523	
N	3-1/16	4-3/8	5280214		8440214		8450214		116131	116536		119531	
O	3-3/16	4-1/2	5280215		8440215		8450215		116149	116544		119549	
P	3-5/16	4-5/8	5280216		8440216		8450216		116156	116551		119556	
Q	3-7/16	4-3/4	5280217		8440217		8450217		116164	116569		119564	
R	3-7/16	4-3/4	5280218		8440218		8450218		116172	116577		119572	
S	3-1/2	4-7/8	5280219		8440219		8450219		116180	116585		119580	
T	3-1/2	4-7/8	5280220		8440220		8450220		116198	116593		119598	
U	3-5/8	5	5280221		8440221		8450221		116206	116601		119606	
V	3-5/8	5	5280222		8440222		8450222		116214	116619		119614	
W	3-3/4	5-1/8	5280223		8440223		8450223		116222	116627		119622	
X	3-3/4	5-1/8	5280224		8440224		8450224		116230	116635		119630	
Y	3-7/8	5-1/4	5280225		8440225		8450225		116248	116643		119648	
Z	3-7/8	5-1/4	5280226		8440226		8450226		116255	116650		119655	

CUTTING TOOLS - DRILLS

JOBBER LENGTH DRILLS - VERMONT TAP & DIE

SERIES 840: • H.S.S. FAST SPIRAL • H.S.S. PARABOLIC • COBALT (M42) - 135° SPLIT POINT • H.S.S. GOLD (TIN) COATED



Size	Dec. Equiv.	Flute Lgth.	Overall Lgth.	H.S.S. Fast Spiral		Cobalt (M42)		H.S.S. Parabolic		H.S.S. Gold Ctd.	
				Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
A	.2340	2-5/8	3-7/8	121502		132005		969250		116409	
B	.2380	2-3/4	4	121503		132013		969251		116417	
C	.2420	2-3/4	4	121504		132021		969252		116425	
D	.2460	2-3/4	4	121505		132039		969253		116433	
E, 1/4	.2500	2-3/4	4	121735		130751		245385		111152	
F	.2570	2-7/8	4-1/8	121507		132054		969255		116458	
G	.2610	2-7/8	4-1/8	121508		132062		969256		116466	
H	.2660	2-7/8	4-1/8	121509		132070		969257		116474	
I	.2720	2-7/8	4-1/8	121510		132088		969258		116482	
J	.2770	2-7/8	4-1/8	121511		132096		969259		116490	
K	.2810	2-15/16	4-1/4	121512		132104		969118		116508	
L	.2900	2-15/16	4-1/4	121513		132112		969260		116516	
M	.2950	3-1/16	4-3/8	121514		132120		969261		116524	
N	.3020	3-1/16	4-3/8	121515		132138		969262		116532	
O	.3160	3-3/16	4-1/2	121516		132146		969263		116540	
P	.3230	3-5/16	4-5/8	121517		132153		969264		116557	
Q	.3320	3-7/16	4-3/4	121518		132161		969265		116565	
R	.3390	3-7/16	4-3/4	121519		132179		969266		116573	
S	.3480	3-1/2	4-7/8	121520		132187		969267		116581	
T	.3580	3-1/2	4-7/8	121521		132195		969268		116599	
U	.3680	3-5/8	5	121522		132203		969269		116607	
V	.3770	3-5/8	5	121523		132211		969270		116615	
W	.3860	3-3/4	5-1/8	121524		132229		969271		116623	
X	.3970	3-3/4	5-1/8	121525		132237		969272		116631	
Y	.4040	3-7/8	5-1/4	121526		132245		969273		116649	
Z	.4130	3-7/8	5-1/4	121527		132252		969274		116656	

HIGH SPEED STEEL
JOBBER'S LENGTH DRILLS - METRIC SIZES
SERIES 28: SURFACE TREATED



Size mm	Overall Lgth mm	Order No.	Price	Size mm	Overall Lgth mm	Order No.	Price	Size mm	Overall Lgth mm	Order No.	Price
0.30	19	1400030		3.3	65	1400330		9.7	133	1400970	
0.32	19	1400032		3.4	70	1400340		9.8	133	1400980	
0.35	19	1400035		3.5	70	1400350		9.9	133	1400990	
0.38	19	1400038		3.55	70	1400355		10.0	133	1400999	
0.40	20	1400040		3.6	70	1400360		10.1	133	1401010	
0.42	20	1400042		3.7	70	1400370		10.2	133	1401020	
0.45	20	1400045		3.75	70	1400375		10.25	133	1401025	
0.48	20	1400048		3.8	75	1400380		10.3	133	1401030	
0.50	22	1400050		3.9	75	1400390		10.4	133	1401040	
0.52	22	1400052		4.0	75	1400400		10.5	133	1401050	
0.55	24	1400055		4.1	75	1400410		10.6	133	1401060	
0.58	24	1400058		4.2	75	1400420		10.7	142	1401070	
0.60	24	1400060		4.3	80	1400430		10.8	142	1401080	
0.62	26	1400062		4.4	80	1400440		10.9	142	1401090	
0.65	26	1400065		4.5	80	1400450		11.0	142	1401100	
0.68	28	1400068		4.6	80	1400460		11.1	142	1401110	
0.70	28	1400070		4.7	80	1400470		11.2	142	1401120	
0.72	28	1400072		4.8	86	1400480		11.3	142	1401130	
0.75	28	1400075		4.9	86	1400490		11.4	142	1401140	
0.78	30	1400078		5.0	86	1400500		11.5	142	1401150	
0.80	30	1400080		5.1	86	1400510		11.6	142	1401160	
0.82	30	1400082		5.2	86	1400520		11.7	142	1401170	
0.85	30	1400085		5.25	86	1400525		11.8	142	1401180	
0.88	32	1400088		5.3	86	1400530		11.9	151	1401190	
0.90	32	1400090		5.4	93	1400540		12.0	151	1401200	
0.92	32	1400092		5.5	93	1400550		12.1	151	1401210	
0.95	32	1400095		5.6	93	1400560		12.2	151	1401220	
0.98	34	1400098		5.7	93	1400570		12.3	151	1401230	
1.00	34	1400100		5.8	93	1400580		12.4	151	1401240	
1.05	34	1400105		5.9	93	1400590		12.5	151	1401253	
1.10	36	1400110		6.0	93	1400600		12.6	151	1401260	
1.15	36	1400115		6.1	101	1400610		12.7	151	1401270	
1.20	38	1400120		6.2	101	1400620		12.8	151	1401280	
1.25	38	1400125		6.25	101	1400625		12.9	151	1401290	
1.30	38	1400130		6.3	101	1400630		13.0	151	1401300	
1.35	40	1400135		6.4	101	1400640		13.1	151	1401310	
1.40	40	1400140		6.5	101	1400650		13.2	151	1401320	
1.45	40	1400145		6.6	101	1400660		13.3	160	1401330	
1.50	40	1400150		6.7	101	1400670		13.4	160	1401340	
1.55	43	1400155		6.8	109	1400680		13.5	160	1401350	
1.60	43	1400160		6.9	109	1400690		13.6	160	1401360	
1.65	43	1400165		7.0	109	1400700		13.7	160	1401370	
1.70	43	1400170		7.1	109	1400710		13.75	160	1401375	
1.75	46	1400175		7.2	109	1400720		13.8	160	1401380	
1.80	46	1400180		7.25	109	1400725		13.9	160	1401390	
1.85	46	1400185		7.3	109	1400730		14.0	150	1401400	
1.90	46	1400190		7.4	109	1400740		14.25	169	1401425	
1.95	49	1400195		7.5	109	1400750		14.5	169	1401450	
2.00	49	1400200		7.6	117	1400760		14.75	169	1401475	
2.1	49	1400210		7.7	117	1400770		15.0	169	1401500	
2.15	49	1400215		7.8	117	1400780		15.25	178	1401525	
2.2	53	1400220		7.9	117	1400790		15.5	178	1401550	
2.25	53	1400225		8.0	117	1400800		15.75	178	1401575	
2.3	53	1400230		8.1	117	1400810		16.0	178	1401600	
2.35	53	1400235		8.2	117	1400820		16.25	187	1401625	
2.4	57	1400240		8.25	117	1400825		16.5	187	1401650	
2.45	57	1400245		8.3	117	1400830		16.75	187	1401675	
2.5	57	1400250		8.4	117	1400840		17.0	187	1401700	
2.55	57	1400255		8.5	117	1400850		17.25	196	1401725	
2.6	57	1400260		8.6	125	1400860		17.5	196	1401750	
2.65	57	1400265		8.7	125	1400870		17.75	196	1401775	
2.7	61	1400270		8.8	125	1400880		18.0	196	1401800	
2.75	61	1400275		8.9	125	1400890		18.25	205	1401825	
2.8	61	1400280		9.0	125	1400900		18.5	205	1401850	
2.85	61	1400285		9.1	125	1400910		18.75	205	1401875	
2.9	61	1400290		9.2	125	1400920		19.0	205	1401900	
2.95	61	1400295		9.25	125	1400925		19.25	214	1401925	
3.0	61	1400300		9.3	125	1400930		19.5	214	1401950	
3.1	65	1400310		9.4	125	1400940		19.75	214	1401975	
3.15	65	1400315		9.5	125	1400950		20.0	214	1402000	
3.2	65	1400320		9.6	133	1400960					

CUTTING TOOLS - DRILLS

GROUND FROM THE SOLID
JOBBER'S LENGTH DRILLS - METRIC SIZES



SERIES 940: HIGH SPEED STEEL / BRIGHT FINISH • SERIES 941: COBALT - 135° SPLIT POINT

Dia.	OAL	Flute Lgth.	H.S.S.		Cobalt		Dia.	OAL	Flute Lgth.	H.S.S.		Cobalt	
			Order No.	Price	Order No.	Price				Order No.	Price	Order No.	Price
0.80	30	10	9400080		9410080		6.30	101	63	9400630		9410630	
0.90	32	11	9400090		9410090		6.40	101	63	9400640		9410640	
1.00	34	12	9400100		9410100		6.50	101	63	9400650		9410650	
1.05	34	12	9400105		9410105		6.60	101	63	9400660		9410660	
1.10	36	14	9400110		9410110		6.70	101	63	9400670		9410670	
1.15	36	14	9400115		9410115		6.75	109	69	9400675		9410675	
1.20	38	16	9400120		9410120		6.80	109	69	9400680		9410680	
1.25	38	16	9400125		9410125		6.90	109	69	9400690		9410690	
1.30	38	16	9400130		9410130		7.00	109	69	9400700		9410700	
1.35	40	18	9400135		9410135		7.10	109	69	9400710		9410710	
1.40	40	18	9400140		9410140		7.20	109	69	9400720		9410720	
1.45	40	18	9400145		9410145		7.25	109	69	9400725		9410725	
1.50	40	18	9400150		9410150		7.30	109	69	9400730		9410730	
1.55	43	20	9400155		9410155		7.40	109	69	9400740		9410740	
1.60	43	20	9400160		9410160		7.50	109	69	9400750		9410750	
1.65	43	20	9400165		9410165		7.60	117	75	9400760		9410760	
1.70	43	20	9400170		9410170		7.70	117	75	9400770		9410770	
1.75	46	22	9400175		9410175		7.75	117	75	9400775		9410775	
1.80	46	22	9400180		9410180		7.80	117	75	9400780		9410780	
1.85	46	22	9400185		9410185		7.90	117	75	9400790		9410790	
1.90	46	22	9400190		9410190		8.00	117	75	9400800		9410800	
1.95	49	24	9400195		9410195		8.10	117	75	9400810		9410810	
2.00	49	24	9400200		9410200		8.20	117	75	9400820		9410820	
2.05	49	24	9400205		9410205		8.25	117	75	9400825		9410825	
2.10	49	24	9400210		9410210		8.30	117	75	9400830		9410830	
2.15	53	27	9400215		9410215		8.40	117	75	9400840		9410840	
2.20	53	27	9400220		9410220		8.50	117	75	9400850		9410850	
2.25	53	27	9400225		9410225		8.60	125	81	9400860		9410860	
2.30	53	27	9400230		9410230		8.70	125	81	9400870		9410870	
2.35	53	27	9400235		9410235		8.75	125	81	9400875		9410875	
2.40	57	30	9400240		9410240		8.80	125	81	9400880		9410880	
2.45	57	30	9400245		9410245		8.90	125	81	9400890		9410890	
2.50	57	30	9400250		9410250		9.00	125	81	9400900		9410900	
2.55	57	30	9400255		9410255		9.10	125	81	9400910		9410910	
2.60	57	30	9400260		9410260		9.20	125	81	9400920		9410920	
2.65	57	30	9400265		9410265		9.25	125	81	9400925		9410925	
2.70	61	33	9400270		9410270		9.30	125	81	9400930		9410930	
2.75	61	33	9400275		9410275		9.40	125	81	9400940		9410940	
2.80	61	33	9400280		9410280		9.50	125	81	9400950		9410950	
2.85	61	33	9400285		9410285		9.60	133	87	9400960		9410960	
2.90	61	33	9400290		9410290		9.70	133	87	9400970		9410970	
2.95	61	33	9400295		9410295		9.75	133	87	9400975		9410975	
3.00	61	33	9400300		9410300		9.80	133	87	9400980		9410980	
3.10	65	36	9400310		9410310		9.90	133	87	9400990		9410990	
3.20	65	36	9400320		9410320		10.00	133	87	9401000		9411000	
3.25	65	36	9400325		9410325		10.10	133	87	9401010		9411010	
3.30	65	36	9400330		9410330		10.20	133	87	9401020		9411020	
3.40	70	39	9400340		9410340		10.25	133	87	9401025		9411025	
3.50	70	39	9400350		9410350		10.30	133	87	9401030		9411030	
3.60	70	39	9400360		9410360		10.40	133	87	9401040		9411040	
3.70	70	39	9400370		9410370		10.50	133	87	9401050		9411050	
3.75	70	39	9400375		9410375		10.60	133	87	9401060		9411060	
3.80	75	43	9400380		9410380		10.70	142	94	9401070		9411070	
3.90	75	43	9400390		9410390		10.75	142	94	9401075		9411075	
4.00	75	43	9400400		9410400		10.80	142	94	9401080		9411080	
4.10	75	43	9400410		9410410		10.90	142	94	9401090		9411090	
4.20	75	43	9400420		9410420		11.00	142	94	9401100		9411100	
4.25	75	43	9400425		9410425		11.10	142	94	9401110		9411110	
4.30	80	47	9400430		9410430		11.20	142	94	9401120		9411120	
4.40	80	47	9400440		9410440		11.25	142	94	9401125		9411125	
4.50	80	47	9400450		9410450		11.30	142	94	9401130		9411130	
4.60	80	47	9400460		9410460		11.40	142	94	9401140		9411140	
4.70	80	47	9400470		9410470		11.50	142	94	9401150		9411150	
4.75	80	47	9400475		9410475		11.60	142	94	9401160		9411160	
4.80	86	52	9400480		9410480		11.70	142	94	9401170		9411170	
4.90	86	52	9400490		9410490		11.75	142	94	9401175		9411175	
5.00	86	52	9400500		9410500		11.80	142	94	9401180		9411180	
5.10	86	52	9400510		9410510		11.90	151	101	9401190		9411190	
5.20	86	52	9400520		9410520		12.00	151	101	9401200		9411200	
5.25	86	52	9400525		9410525		12.10	151	101	9401210		9411210	
5.30	86	52	9400530		9410530		12.20	151	101	9401220		9411220	
5.40	93	57	9400540		9410540		12.25	151	101	9401225		9411225	
5.50	93	57	9400550		9410550		12.30	151	101	9401230		9411230	
5.60	93	57	9400560		9410560		12.40	151	101	9401240		9411240	
5.70	93	57	9400570		9410570		12.50	151	101	9401250		9411250	
5.75	93	57	9400575		9410575		12.60	151	101	9401260		9411260	
5.80	93	57	9400580		9410580		12.70	151	101	9401270		9411270	
5.90	93	57	9400590		9410590		12.75	151	101	9401275		9411275	
6.00	93	57	9400600		9410600		12.80	151	101	9401280		9411280	
6.10	101	63	9400610		9410610		12.90	151	101	9401290		9411290	
6.20	101	63	9400620		9410620		13.00	151	101	9401300		9411300	
6.25	101	63	9400625		9410625								

HIGH SPEED STEEL / BRIGHT FINISH
JOBBER LENGTH DRILLS - METRIC SIZES
 VERMONT TAP & DIE
SERIES 948:



CUTTING TOOLS - DRILLS

Drill Size	Dec Equiv.	OAL (mm)	Flute Lgth. (mm)	Order No.	Price	Drill Size	Dec Equiv.	OAL (mm)	Flute Lgth. (mm)	Order No.	Price	Drill Size	Dec Equiv.	OAL (mm)	Flute Lgth. (mm)	Order No.	Price
0.35	.0138	19	3	117388		4.2	.1654	83	54	117907		10.5	.4134	133	98	118616	
0.40	.0157	19	5	117389		4.3	.1693	83	54	117923		10.8	.4252	140	103	118620	
0.45	.0177	22	5	117390		4.4	.1732	86	56	117931		11.0	.4331	140	103	118624	
0.50	.0197	22	5	117391		4.5	.1772	86	56	117949		11.2	.4409	143	106	118628	
0.55	.0217	25	6	117392		4.6	.1811	86	56	117956		11.5	.4528	143	106	118632	
0.60	.0236	29	8	117393		4.7	.1850	89	59	117964		11.8	.4646	146	110	118636	
0.65	.0256	32	10	117394		4.8	.1890	89	59	117980		12.0	.4724	149	111	118640	
0.70	.0276	32	10	117395		4.9	.1929	92	62	117998		12.2	.4803	149	111	118645	
0.75	.0295	35	13	117396		5.0	.1969	92	62	118004		12.5	.4921	152	114	118657	
0.80	.0315	35	13	117397		5.1	.2008	92	62	118012		12.8	.5039	152	114	118660	
0.85	.0335	38	16	117398		5.2	.2047	95	64	118020		13.0	.5118	152	114	118665	
0.90	.0354	38	16	117399		5.3	.2087	95	64	118046		13.2	.5197	168	122	118670	
0.95	.0374	38	16	117401		5.4	.2126	95	64	118053		13.5	.5315	168	122	118674	
1.00	.0394	41	17	117402		5.5	.2165	95	64	118061		13.8	.5433	168	122	118678	
1.05	.0413	41	17	117410		5.6	.2205	98	67	118079		14.0	.5512	168	122	118680	
1.10	.0433	44	19	117428		5.7	.2244	98	67	118103		14.25	.5610	168	122	118682	
1.15	.0453	44	19	117436		5.8	.2283	98	67	118111		14.5	.5709	168	122	118684	
1.20	.0472	48	22	117444		5.9	.2323	98	67	9118129		14.75	.5807	181	132	118686	
1.25	.0492	48	22	117451		6.0	.2362	102	70	118137		15.0	.5906	181	132	118688	
1.30	.0512	48	22	117469		6.1	.2402	102	70	118145		15.25	.6004	181	132	118690	
1.35	.0531	48	22	117477		6.2	.2441	102	70	118160		15.5	.6102	181	132	118692	
1.40	.0551	48	22	117485		6.3	.2480	102	70	118178		15.75	.6201	181	132	118694	
1.45	.0571	48	22	117493		6.4	.2520	105	73	118186		16.0	.6299	181	132	118696	
1.50	.0591	48	22	117501		6.5	.2559	105	73	118194		16.25	.6398	181	132	118698	
1.55	.0610	48	22	117519		6.6	.2598	105	73	118202		16.5	.6496	181	132	118700	
1.60	.0630	48	22	117527		6.7	.2638	105	73	118228		16.75	.6594	194	143	118702	
1.65	.0650	51	25	117535		6.8	.2677	105	73	118236		17.0	.6693	194	143	118704	
1.70	.0669	51	25	117543		6.9	.2717	105	73	118244		17.5	.6890	194	143	118708	
1.75	.0689	51	25	117550		7.0	.2756	105	73	118251							
1.80	.0709	51	25	117568		7.1	.2795	108	75	118269							
1.85	.0728	51	25	117576		7.2	.2835	108	75	118277							
1.90	.0748	51	25	117584		7.3	.2874	108	75	118285							
1.95	.0768	51	25	117592		7.4	.2913	111	78	118293							
2.00	.0787	51	25	117600		7.5	.2953	111	78	118301							
2.05	.0807	54	29	117618		7.6	.2992	111	78	118319							
2.10	.0827	54	29	117626		7.7	.3031	114	81	118327							
2.15	.0846	54	29	117634		7.8	.3071	114	81	118343							
2.20	.0866	57	32	117642		7.9	.3110	114	81	118350							
2.25	.0886	57	32	117659		8.0	.3150	114	81	118368							
2.30	.0906	57	32	117667		8.1	.3189	117	84	118376							
2.35	.0925	57	32	117675		8.2	.3228	117	84	118384							
2.40	.0945	60	35	117683		8.3	.3268	117	84	118400							
2.45	.0965	60	35	117691		8.4	.3307	121	87	118418							
2.50	.0984	60	35	117709		8.5	.3346	121	87	118426							
2.60	.1024	64	37	117717		8.6	.3386	121	87	118434							
2.70	.1063	64	37	117725		8.7	.3425	121	87	118442							
2.80	.1102	67	38	117741		8.8	.3465	124	89	118467							
2.90	.1142	70	41	117758		8.9	.3504	124	89	118475							
3.00	.1181	70	41	117766		9.0	.3543	124	89	118483							
3.10	.1220	70	41	117774		9.1	.3583	124	89	118491							
3.20	.1260	70	41	117782		9.2	.3622	127	92	118509							
3.30	.1299	73	45	117808		9.3	.3661	127	92	118525							
3.40	.1339	73	45	117816		9.4	.3701	127	92	118533							
3.50	.1378	73	45	117824		9.5	.3740	127	92	118541							
3.60	.1417	76	48	117832		9.6	.3780	130	95	118558							
3.70	.1457	76	48	117840		9.7	.3819	130	95	118566							
3.80	.1496	76	48	117865		9.8	.3858	130	95	118582							
3.90	.1535	79	51	117873		9.9	.3898	130	95	118590							
4.00	.1575	83	54	117881		10.0	.3937	130	95	118608							
4.10	.1614	83	54	117899		10.2	.4016	133	98	118610							

H.S.S. GOLD (TIN) COATED
JOBBER LENGTH DRILLS -
METRIC SIZES
SERIES 948:



Drill Size	Dec Equiv.	OAL (mm)	Flute Lgth. (mm)	Order No.	Price
3.00	.1181	70	41	117762	
3.30	.1299	73	45	117804	
4.00	.1575	83	54	117887	
4.20	.1654	83	54	117903	
5.00	.1968	92	62	118000	
6.00	.2362	102	70	118125	
7.00	.2756	105	73	118240	
8.00	.3150	114	81	118364	
8.50	.3346	121	87	118422	
9.00	.3543	124	89	118489	
10.00	.3937	130	95	118604	
10.50	.4134	137	100	118612	
12.00	.4724	149	111	118646	