

TAPER LENGTH DRILLS

SERIES 38: HIGH SPEED STEEL, 118° POINT: MEDA - SUPERIOR IMPORT
 SERIES 852: COBALT (M42) STEEL, 135° SPLIT POINT:* STAR USA



HIGH SPEED STEEL



COBALT



* Cobalt sizes over 1/2" are furnished with notched point

Size	Flute Lgth.	Overall Lgth.	MEDA H.S.S.		STAR USA Cobalt (M42)		Size	Flute Lgth.	Overall Lgth.	MEDA H.S.S.	
			Order No.	Price	Order No.	Price				Order No.	Price
1/64	5/16	1-1/2	1080001		-		49/64	6	9-7/8	1080049	
1/32	3/4	2	1080002		-		25/32	6	9-7/8	1080050	
3/64	1-1/8	2-1/4	1080003		-		51/64	6-1/8	10	1080051	
1/16	1-3/4	3-3/4	1080004		8520004		13/16	6-1/8	10	1080052	
5/64	2	3-3/4	1080005		8520005		53/64	6-1/8	10	1080053	
3/32	2-1/4	4-1/4	1080006		8520006		27/32	6-1/8	10	1080054	
7/64	2-1/2	4-5/8	1080007		8520007		55/64	6-1/8	10	1080055	
1/8	2-3/4	5-1/8	1080008		8520008		7/8	6-1/8	10	1080056	
9/64	3	5-3/8	1080009		8520009		57/64	6-1/8	10	1080057	
5/32	3	5-3/8	1080010		8520010		29/32	6-1/8	10	1080058	
11/64	3-3/8	5-3/4	1080011		8520011		59/64	6-1/8	10-3/4	1080059	
3/16	3-3/8	5-3/4	1080012		8520012		15/16	6-1/8	10-3/4	1080060	
13/64	3-5/8	6	1080013		8520013		61/64	6-3/8	11	1080061	
7/32	3-5/8	6	1080014		8520014		31/32	6-3/8	11	1080062	
15/64	3-3/4	6-1/8	1080015		8520015		63/64	6-3/8	11	1080063	
1/4	3-3/4	6-1/8	1080016		8520016		1	6-3/8	11	1080064	
17/64	3-7/8	6-1/4	1080017		8520017		1-1/64	6-1/2	11-1/8	1080065	
9/32	3-7/8	6-1/4	1080018		8520118		1-1/32	6-1/2	11-1/8	1080066	
19/64	4	6-3/8	1080019		8520019		1-3/64	6-5/8	11-1/4	1080067	
5/16	4	6-3/8	1080020		8520020		1-1/16	6-5/8	11-1/4	1080068	
21/64	4-1/8	6-1/2	1080021		8520021		1-5/64	6-7/8	11-1/2	1080069	
11/32	4-1/8	6-1/2	1080022		8520022		1-3/32	6-7/8	11-1/2	1080070	
23/64	4-1/4	6-3/4	1080023		8520023		1-7/64	7-1/8	11-3/4	1080071	
3/8	4-1/4	6-3/4	1080024		8520024		1-1/8	7-1/8	11-3/4	1080072	
25/64	4-3/8	7	1080025		8520025		1-9/64	7-1/4	11-7/8	1080073	
13/32	4-3/8	7	1080026		8520026		1-5/32	7-1/4	11-7/8	1080074	
27/64	4-5/8	7-1/4	1080027		8520027		1-11/64	7-1/8	12	1080075	
7/16	4-5/8	7-1/4	1080028		8520028		1-3/16	7-1/8	12	1080076	
29/64	4-3/4	7-1/2	1080029		8520029		1-13/64	7-1/2	12-1/8	1080077	
15/32	4-3/4	7-1/2	1080030		8520030		1-7/32	7-1/2	12-1/8	1080078	
31/64	4-3/4	7-3/4	1080031		8520031		1-15/64	7-7/8	12-1/2	1080079	
1/2	4-3/4	7-3/4	1080032		8520032		1-1/4	7-7/8	12-1/2	1080080	
33/64	4-3/4	8	1080033		8520033		1-9/32	8-1/2	14-1/8	1080082	
17/32	4-3/4	8	1080034		8520034		1-5/16	8-5/8	14-1/4	1080084	
35/64	4-7/8	8-1/4	1080035		8520035		1-11/32	8-3/4	14-3/8	1080086	
9/16	4-7/8	8-1/4	1080036		8520036		1-3/8	8-7/8	14-1/2	1080088	
37/64	4-7/8	8-3/4	1080037		8520037		1-13/32	9	14-5/8	1080090	
19/32	4-7/8	8-3/4	1080038		8520038		1-7/16	9-1/8	14-3/4	1080092	
39/64	4-7/8	8-3/4	1080039		8520039		1-15/32	9-1/4	14-7/8	1080094	
5/8	4-7/8	8-3/4	1080040		8520040		1-1/2	9-3/8	15	1080096	
41/64	5-1/8	9	1080041		8520041		1-9/16	9-5/8	15-1/4	1080136	
21/32	5-1/8	9	1080042		8520042		1-5/8	9-7/8	15-5/8	1080140	
43/64	5-3/8	9-1/4	1080043		8520043		1-11/16	10-1/8	15-3/4	1080144	
11/16	5-3/8	9-1/4	1080044		8520044		1-3/4	10-1/2	16-1/4	1080148	
45/64	5-5/8	9-1/2	1080045		8520045		1-13/16	10-1/2	16-1/4	1080152	
23/32	5-5/8	9-1/2	1080046		8520046		1-7/8	10-5/8	16-1/2	1080156	
47/64	5-7/8	9-3/4	1080047		8520047		1-15/16	10-3/4	16-5/8	1080160	
3/4	5-7/8	9-3/4	1080048		8520048		2	10-3/4	16-5/8	1080200	

See page 27 for #1-80 and Metric size **MEDA** Superior Import TAPER LENGTH DRILLS.

FOR SETS,
SEE PAGE 51

CUTTING TOOLS - DRILLS

**HIGH SPEED STEEL
TAPER LENGTH DRILLS
VERMONT TAP & DIE
SERIES 974:**



- General purpose flute construction for use in a wide variety of materials.
- Taper length for extended reach.
- Black oxide finish for increased wear resistance & improved lubricity, reducing chip welding and galling.
- Bright is excellent for non-ferrous materials and low tensile steels.
- TIN coating for higher feeds and speeds, reduced heat at the cutting edge, added lubricity and longer tool life.

Drill Size	Flute Lgth.	Overall Lgth.	Black Oxide		Bright Finish		Gold (TIN)	
			Order No.	Price	Order No.	Price	Order No.	Price
1/16	1-3/4	3	146802		147801		-	
5/64	2	3-3/4	146803		147803		-	
3/32	2-1/4	4-1/4	146804		147805		-	
7/64	2-1/2	4-5/8	146805		147806		-	
1/8	2-3/4	5-1/8	146807		147804		147800	
9/64	3	5-3/8	146815		147812		147818	
5/32	3	5-3/8	146823		147820		147826	
11/64	3-3/8	5-3/4	146831		147838		147834	
3/16	3-3/8	5-3/4	146849		147846		147842	
13/64	3-5/8	6	146856		147853		147859	
7/32	3-5/8	6	146864		147861		147867	
15/64	3-3/4	6-1/8	146872		147879		147875	
1/4	3-3/4	6-1/8	146880		147887		147883	
17/64	3-7/8	6-1/4	146898		147895		147891	
9/32	3-7/8	6-1/4	146906		147903		147909	
19/64	4	6-3/8	146914		147911		147917	
5/16	4	6-3/8	146922		147929		147925	
21/64	4-1/8	6-1/2	146930		147937		147933	
11/32	4-1/8	6-1/2	146948		147945		147941	
23/64	4-1/4	6-3/4	146955		147952		147958	
3/8	4-1/4	6-3/4	146963		147960		147966	
25/64	4-3/8	7	146971		147978		147974	
13/32	4-3/8	7	146989		147986		147982	
27/64	4-5/8	7-1/4	146997		147994		147990	
7/16	4-5/8	7-1/4	147003		148000		148006	
29/64	4-3/4	7-1/2	147011		148018		148014	
15/32	4-3/4	7-1/2	147029		148026		148022	
31/64	4-3/4	7-3/4	147037		148034		148030	
1/2	4-3/4	7-3/4	147045		148042		148048	
33/64	4-3/4	8	147052		148059		-	
17/32	4-3/4	8	147060		148067		-	
35/64	4-7/8	8-1/4	147078		148075		-	
9/16	4-7/8	8-1/4	147086		148083		-	
37/64	4-7/8	8-3/4	147094		148091		-	
19/32	4-7/8	8-3/4	147102		148109		-	
39/64	4-7/8	8-3/4	147110		148117		-	
5/8	4-7/8	8-3/4	147128		148125		-	
41/64	5-1/8	9	147136		148133		-	
21/32	5-1/8	9	147144		148141		-	
43/64	5-3/8	9-1/4	147151		148158		-	
11/16	5-3/8	9-1/4	147169		148166		-	
45/64	5-5/8	9-1/2	147177		148174		-	
23/32	5-5/8	9-1/2	147185		148182		-	
47/64	5-7/8	9-3/4	147193		148190		-	
3/4	5-7/8	9-3/4	9147201		148208		-	
49/64	6	9-7/8	147219		148216		-	
25/32	6	9-7/8	147227		148224		-	
51/64	6-1/8	10	147235		148232		-	
13/16	6-1/8	10	147243		148240		-	
53/64	6-1/8	10	147250		148257		-	
27/32	6-1/8	10	147268		148265		-	
55/64	6-1/8	10	147276		148273		-	
7/8	6-1/8	10	147284		148281		-	
57/64	6-1/8	10	147292		148299		-	
29/32	6-1/8	10	147300		148307		-	
59/64	6-1/8	10-3/4	147318		148315		-	
15/16	6-1/8	10-3/4	147326		148323		-	
61/64	6-3/8	11	147334		148331		-	
31/32	6-3/8	11	147342		148349		-	
63/64	6-3/8	11	147359		148356		-	

(Continued)

**HIGH SPEED STEEL
TAPER LENGTH DRILL SETS
SERIES 29:**



Description	Pieces per Set	MEDA	
		Order No.	Price
Wire Gage - #1 thru #60	60	0290160	
Fractional - 1/16" - 1/2" x 64ths	29	1080500	
		VERMONT TAP & DIE	
Fractional - 1/16" - 1/2" x 64ths	29	174307	

**TAPER LENGTH DRILL INDEXES
SERIES 569:**



Drills not included.

No.	Description	Model Order No.	Price
326	A to Z	5611525	
329	1/16" to 1/2" x 64ths	5611600	
360	No. 1 to 60	5611650	

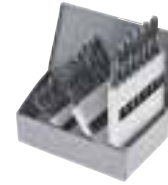
**HIGH SPEED STEEL
TAPER LENGTH DRILLS
VERMONT TAP & DIE**



SERIES 974: (Continued)



**HIGH SPEED STEEL
TAPER LENGTH DRILL SETS
SERIES 29:**



Description	Pieces per Set	MEDA	
		Order No.	Price
Wire Gage - #1 thru #60	60	0290160	
Fractional - 1/16" - 1/2" x 64ths	29	1080500	
		VERMONT TAP & DIE	
Fractional - 1/16" - 1/2" x 64ths	29	174307	

Drill Size	Flute Lgth.	Overall Lgth.	Black Oxide		Bright Finish	
			Order No.	Price	Order No.	Price
1	6-3/8	11	147367		148364	
1-1/32	6-1/2	11-1/8	147383		148380	
1-1/16	6-5/8	11-1/4	147409		148406	
1-3/32	6-7/8	11-1/2	147425		148422	
1-1/8	7-1/8	11-3/4	147441		148448	
1-5/32	7-1/4	11-7/8	147466		148463	
1-3/16	7-3/8	12	147482		148489	
1-7/32	7-1/2	12-1/8	147508		148505	
1-1/4	7-7/8	12-1/2	147524		148521	
1-9/32	8-1/2	14-1/8	147532		148539	
1-5/16	8-5/8	14-1/4	147540		148547	
1-11/32	8-3/4	14-3/8	147557		148554	
1-3/8	8-7/8	14-1/2	147565		148562	
1-13/32	9	14-5/8	147573		148570	
1-7/16	9-1/8	14-3/4	147581		148588	
1-15/32	9-1/4	14-7/8	147599		148596	
1-1/2	9-3/8	15	147607		148604	
1-9/16	9-5/8	15-1/4	147615		148612	
1-5/8	9-7/8	15-5/8	147623		148620	
1-3/4	10-1/2	16-1/4	147649		148646	


**HIGH SPEED STEEL
TAPER LENGTH DRILLS - BLACK OXIDE FINISH
VERMONT TAP & DIE**

SERIES 974:



Drill Size	Flute Lgth.	Overall Lgth.	Order No.	Price	Drill Size	Flute Lgth.	Overall Lgth.	Order No.	Price	Drill Size	Flute Lgth.	Overall Lgth.	Order No.	Price
1	3-3/4	6-1/8	144596		36	2-1/2	4-5/8	144240		A	3-3/4	6-1/8	146005	
2	3-3/4	6-1/8	144588		37	2-1/2	4-5/8	144232		B	3-3/4	6-1/8	146013	
3	3-5/8	6	144570		38	2-1/2	4-5/8	144224		C	3-3/4	6-1/8	146021	
4	3-5/8	6	144562		39	2-1/2	4-5/8	144216		D	3-3/4	6-1/8	146039	
5	3-5/8	6	144554		40	2-1/2	4-5/8	144208		E	3-3/4	6-1/8	146880	
6	3-5/8	6	144547		41	2-1/2	4-5/8	144190		F	3-7/8	6-1/4	146054	
7	3-5/8	6	144539		42	2-1/4	4-1/4	144182		G	3-7/8	6-1/4	146062	
8	3-5/8	6	144521		43	2-1/4	4-1/4	144174		H	3-7/8	6-1/4	146070	
9	3-5/8	6	144513		44	2-1/4	4-1/4	144166		I	3-7/8	6-1/4	146088	
10	3-5/8	6	144505		45	2-1/4	4-1/4	144158		J	3-7/8	6-1/4	146096	
11	3-5/8	6	144497		46	2-1/4	4-1/4	144141		K	3-7/8	6-1/4	146104	
12	3-5/8	6	144489		47	2-1/4	4-1/4	144133		L	4	6-3/8	146112	
13	3-3/8	5-3/4	144471		48	2	3-3/4	144125		M	4	6-3/8	146120	
14	3-3/8	5-3/4	144463		49	2	3-3/4	144117		N	4	6-3/8	146138	
15	3-3/8	5-3/4	144455		50	2	3-3/4	144109		O	4-1/8	6-1/2	146146	
16	3-3/8	5-3/4	144448		51	2	3-3/4	144091		P	4-1/8	6-1/2	146153	
17	3-3/8	5-3/4	144430		52	2	3-3/4	144083		Q	4-1/8	6-1/2	146161	
18	3-3/8	5-3/4	144422		53	1-3/4	3	144075		R	4-1/8	6-1/2	146179	
19	3-3/8	5-3/4	144414		54	1-3/4	3	144067		S	4-1/4	6-3/4	146187	
20	3-3/8	5-3/4	144406		55	1-3/4	3	144059		T	4-1/4	6-3/4	146195	
21	3-3/8	5-3/4	144398		56	1-1/8	2-1/4	144042		U	4-1/4	6-3/4	146203	
22	3-3/8	5-3/4	144380		57	1-1/8	2-1/4	144034		V	4-3/8	7	9146211	
23	3	5-3/8	144372		58	1-1/8	2-1/4	144026		W	4-3/8	7	146229	
24	3	5-3/8	144364		59	1-1/8	2-1/4	144018		X	4-3/8	7	146237	
25	3	5-3/8	144356		60	1-1/8	2-1/4	144002		Y	4-3/8	7	146245	
26	3	5-3/8	144349							Z	4-5/8	7-1/4	146252	
27	3	5-3/8	144331											
28	3	5-3/8	144323											
29	3	5-3/8	144315											
30	3	5-3/8	144307											
31	2-3/4	5-1/8	144299											
32	2-3/4	5-1/8	144281											
33	2-3/4	5-1/8	144273											
34	2-3/4	5-1/8	144265											
35	2-3/4	5-1/8	144257											

**See page 27 for #1-80 and
Metric size TAPER LENGTH DRILLS.**

HIGH SPEED STEEL
TAPER LENGTH DRILLS 
SERIES 38: 118° POINT

HIGH SPEED STEEL
TAPER LENGTH DRILLS - METRIC SIZES 
SERIES 853: 118° POINT

Size	Flute Lgth.	Overall Lgth.	H.S.S.	
			Order No.	Price
1	3-3/4	6	0380101	
2	3-3/4	6	0380102	
3	3-5/8	6	0380103	
4	3-5/8	6	0380104	
5	3-5/8	6	0380105	
6	3-5/8	6	0380106	
7	3-5/8	6	0380107	
8	3-5/8	6	0380108	
9	3-5/8	6	0380109	
10	3-5/8	6	0380110	
11	3-5/8	6	0380111	
12	3-5/8	5-3/4	0380112	
13	3-3/8	5-3/4	0380113	
14	3-3/8	5-3/4	0380114	
15	3-3/8	5-3/4	0380115	
16	3-3/8	5-3/4	0380116	
17	3-3/8	5-3/4	0380117	
18	3-3/8	5-3/4	0380118	
19	3-3/8	5-3/4	0380119	
20	3-3/8	5-3/4	0380120	
21	3-3/8	5-3/4	0380121	
22	3-3/8	5-3/4	0380122	
23	3	5-3/8	0380123	
24	3	5-3/8	0380124	
25	3	5-3/8	0380125	
26	3	5-3/8	0380126	
27	3	5-3/8	0380127	
28	3	5-3/8	0380128	
29	3	5-3/8	0380129	
30	3	5-3/8	0380130	
31	2-3/4	5-1/8	0380131	
32	2-3/4	5-1/8	0380132	
33	2-3/4	5-1/8	0380133	
34	2-3/4	5-1/8	0380134	
35	2-1/2	4-5/8	0380135	
36	2-1/2	4-5/8	0380136	
37	2-1/2	4-5/8	0380137	
38	2-1/2	4-5/8	0380138	
39	2-1/2	4-5/8	0380139	
40	2-1/2	4-5/8	0380140	
41	2-1/2	4-5/8	0380141	
42	2-1/4	4-1/4	0380142	
43	2-1/4	4-1/4	0380143	
44	2-1/4	4-1/4	0380144	
45	2-1/4	4-1/4	0380145	
46	2-1/4	4-1/4	0380146	
47	2-1/4	4-1/4	0380147	
48	2	3-3/4	0380148	
49	2	3-3/4	0380149	
50	2	3-3/4	0380150	
51	2	3-3/4	0380151	
52	2	3-3/4	0380152	
53	1-3/4	3	0380153	
54	1-3/4	3	0380154	
55	1-3/4	3	0380155	
56	1-1/8	2-1/4	0380156	
57	1-1/8	2-1/4	0380157	
58	1-1/8	2-1/4	0380158	
59	1-1/8	2-1/4	0380159	
60	1-1/8	2-1/4	0380160	
61	1-1/8	2-1/4	0380161	
62	3/4	2	0380162	
63	3/4	2	0380163	
64	3/4	2	0380164	
65	3/4	2	0380165	
66	3/4	2	0380166	
67	3/4	2	0380167	
68	3/4	2	0380168	
69	3/4	2	0380169	
70	3/4	2	0380170	
71	3/4	2	0380171	
72	5/16	1-1/2	0380172	
73	5/16	1-1/2	0380173	
74	5/16	1-1/2	0380174	
75	5/16	1-1/2	0380175	
76	5/16	1-1/2	0380176	
77	5/16	1-1/2	0380177	
78	5/16	1-1/2	0380178	
79	5/16	1-1/2	0380179	
80	5/16	1-1/2	0380180	

Dia.	Flute Lgth.	OAL	Order No.	Price	Dia.	Flute Lgth.	OAL	Order No.	Price
1.10	37	60	8530110		7.50	102	156	8530750	
1.20	41	65	8530120		7.60	109	165	8530760	
1.30	41	65	8530130		7.70	109	165	8530770	
1.40	45	70	8530140		7.80	109	165	8530780	
1.50	45	70	8530150		7.90	109	165	8530790	
1.60	50	76	8530160		8.00	109	165	8530800	
1.70	50	76	8530170		8.10	109	165	8530810	
1.80	53	80	8530180		8.20	109	165	8530820	
1.90	53	80	8530190		8.30	109	165	8530830	
2.00	56	85	8530200		8.40	109	165	8530840	
2.10	56	85	8530210		8.50	109	165	8530850	
2.20	59	90	8530220		8.60	115	175	8530860	
2.30	59	90	8530230		8.70	115	175	8530870	
2.40	62	95	8530240		8.80	115	175	8530880	
2.50	62	95	8530250		8.90	115	175	8530890	
2.60	62	95	8530260		9.00	115	175	8530900	
2.70	66	100	8530270		9.10	115	175	8530910	
2.80	66	100	8530280		9.20	115	175	8530920	
2.90	66	100	8530290		9.30	115	175	8530930	
3.00	66	100	8530300		9.40	115	175	8530940	
3.10	69	106	8530310		9.50	115	175	8530950	
3.20	69	106	8530320		9.60	121	184	8530960	
3.30	69	106	8530330		9.70	121	184	8530970	
3.40	73	112	8530340		9.80	121	184	8530980	
3.50	73	112	8530350		9.90	121	184	8530990	
3.60	73	112	8530360		10.00	121	184	8531000	
3.70	73	112	8530370		10.50	128	184	8531050	
3.80	78	119	8530380		11.00	128	195	8531100	
3.90	78	119	8530390		11.50	128	195	8531150	
4.00	78	119	8530400		12.00	134	200	8531200	
4.10	78	119	8530410		12.50	134	205	8531250	
4.20	78	119	8530420		13.00	134	205	8531300	
4.30	82	126	8530430		13.50	140	214	8531350	
4.40	82	126	8530440		14.00	140	214	8531400	
4.50	82	126	8530450		14.50	144	220	8531450	
4.60	82	126	8530460		15.00	144	220	8531500	
4.70	82	126	8530470		15.50	149	227	8531550	
4.80	87	132	8530480		16.00	149	227	8531600	
4.90	87	132	8530490		16.50	154	235	8531650	
5.00	87	132	8530500		17.00	154	235	8531700	
5.10	87	132	8530510		17.50	158	241	8531750	
5.20	87	132	8530520		18.00	158	241	8531800	
5.30	87	132	8530530		18.50	162	247	8531850	
5.40	91	139	8530540		19.00	162	247	8531900	
5.50	91	139	8530550		19.50	166	254	8531950	
5.60	91	139	8530560		20.00	166	254	8532000	
5.70	91	139	8530570						
5.80	91	139	8530580						
5.90	91	139	8530590						
6.00	91	139	8530600						
6.10	97	148	8530610						
6.20	97	148	8530620						
6.30	97	148	8530630						
6.40	97	148	8530640						
6.50	97	148	8530650						
6.60	97	148	8530660						
6.70	97	148	8530670						
6.80	102	156	8530680						
6.90	102	156	8530690						
7.00	102	156	8530700						
7.10	102	156	8530710						
7.20	102	156	8530720						
7.30	102	156	8530730						

**COBALT HEAVY DUTY / 135° SPLIT POINT
TAPER LENGTH DRILLS**
VERMONT TAP & DIE
SERIES 974: FRACTIONAL SIZES



**H.S.S. BRIGHT / 135° SPLIT POINT
TAPER LENGTH DRILLS - PARABOLIC**
VERMONT TAP & DIE
SERIES 974:



- Cobalt provides heavy duty construction to increase tool strength.
- 20% longer flute length than regular for increased regrinds and the ability to drill deeper holes.
- Split Point for centering.
- Straw finish.

- High spiral parabolic flute design for superior chip ejection in deep hole drilling.
- Design allows drilling to 10x diameter or more without pecking (sufficient coolant required).
- Bright is excellent for nonferrous materials and low tensile steels.
- TIN coating for higher feeds and speeds, reduced heat at the cutting edge, added lubricity and longer tool life.
- Tanged shank that can be used with an ASA drill driver.

Drill Size	Flute Lgth.	Overall Lgth.	Cobalt	
			Order No.	Price
3/32	2-11/16	4-1/4	936501	
1/8	3-3/8	5-1/8	936502	
9/64	3-5/8	5-3/8	936503	
5/32	3-3/4	5-3/8	936504	
11/64	4-1/8	5-3/4	936505	
3/16	4-1/8	5-3/4	936506	
13/64	4-3/8	6	936507	
7/32	4-3/8	6	936508	
15/64	4-13/16	6-1/8	936509	
1/4	4-13/16	6-1/8	936510	
17/64	5	6-1/4	936511	
9/32	5	6-1/4	936512	
19/64	5-1/8	6-3/8	936513	
5/16	5-1/8	6-3/8	936514	
21/64	5-1/4	6-1/2	936515	
11/32	5-1/4	6-1/2	936516	
23/64	5-3/8	6-3/4	936517	
3/8	5-3/8	6-3/4	936518	
25/64	5-5/8	7	936519	
13/32	5-5/8	7	936520	
27/64	5-11/16	7-1/4	936521	
7/16	5-11/16	7-1/4	936522	
29/64	5-3/4	7-1/2	936523	
15/32	5-3/4	7-1/2	936524	
31/64	5-3/4	7-3/4	936525	
1/2	5-3/4	7-3/4	936526	

Drill Size	Flute Lgth.	Overall Lgth.	Bright		Gold (TIN)	
			Order No.	Price	Order No.	Price
1/8	3-3/8	5-1/8	245005		245001	
9/64	3-5/8	5-3/8	245013		245019	
5/32	3-3/4	5-3/8	245021		245027	
11/64	4-1/8	5-3/4	245039		245035	
3/16	4-1/8	5-3/4	245047		245043	
13/64	4-3/8	6	245054		245050	
7/32	4-3/8	6	245062		245068	
15/64	4-13/16	6-1/8	245070		245076	
1/4	4-13/16	6-1/8	245088		245084	
17/64	5	6-1/4	245096		245092	
9/32	5	6-1/4	245104		245101	
19/64	5-1/8	6-3/8	245112		245118	
5/16	5-1/8	6-3/8	245120		245127	
21/64	5-1/4	6-1/2	245138		245134	
11/32	5-1/4	6-1/2	245146		245142	
23/64	5-3/8	6-3/4	245153		245159	
3/8	5-3/8	6-3/4	245161		245167	
25/64	5-5/8	7	245179		245175	
13/32	5-5/8	7	245187		245183	
27/64	5-11/16	7-1/4	245195		245191	
7/16	5-11/16	7-1/4	245203		245209	
29/64	5-3/4	7-1/2	245211		245217	
15/32	5-3/4	7-1/2	245229		245225	
31/64	5-3/4	7-3/4	245237		245233	
1/2	5-3/4	7-3/4	245245		245241	

See Our Entire Selection of:

REAMERS Pages 64 - 83



ROUGHING END MILLS.....Pages 107 - 111,
..... 115, 123 & 129



KEYSEAT CUTTERS Pages 134 - 137 & 142



For **JOBBER'S LENGTH
DRILL SETS** -
See Pages... 50 - 51

For **TAPER LENGTH
DRILL SETS** -
See Page... 51

**HIGH SPEED STEEL
EXTRA LONG STRAIGHT
SHANK DRILLS**



SERIES 854: OVERALL LENGTH 8" / FLUTE LENGTH 5-1/2"
SERIES 36: OVERALL LENGTH 12" / FLUTE LENGTH 9"
SERIES 37: OVERALL LENGTH 18" / FLUTE LENGTH 14"

Size	8" OAL / 5-1/2" LOC		12" OAL / 9" LOC		18" OAL / 14" LOC	
	Order No.	Price	Order No.	Price	Order No.	Price
3/32	8540006		-		-	
7/64	8540007		-		-	
1/8	8540008		1065008		-	
9/64	8540009		1065009		-	
5/32	8540010		1065010		-	
11/64	8540011		1065011		-	
3/16	8540012		1065012		1070012	
13/64	8540013		1065013		1070013	
7/32	8540014		1065014		1070014	
15/64	8540015		1065015		1070015	
1/4	8540016		1065016		1070016	
17/64	8540017		1065017		1070017	
9/32	8540018		1065018		1070018	
19/64	8540019		1065019		1070019	
5/16	8540020		1065020		1070020	
21/64	8540021		1065021		1070021	
11/32	8540022		1065022		1070022	
23/64	8540023		1065023		1070023	
3/8	8540024		1065024		1070024	
25/64	8540025		1065025		1070025	
13/32	8540026		1065026		1070026	
27/64	8540027		1065027		1070027	
7/16	8540028		1065028		1070028	
29/64	8540029		1065029		1070029	
15/32	8540030		1065030		1070030	
31/64	8540031		1065031		1070031	
1/2	8540032		1065032		1070032	
33/64	-		1065033		1070033	
17/32	-		1065034		1070034	
35/64	-		1065035		1070035	
9/16	-		1065036		1070036	
37/64	-		1065037		1070037	
19/32	-		1065038		1070038	
39/64	-		1065039		1070039	
5/8	-		1065040		1070040	
41/64	-		1065041		1070041	
21/32	-		1065042		1070042	
43/64	-		1065043		1070043	
11/16	-		1065044		1070044	
45/64	-		1065045		1070045	
23/32	-		1065046		1070046	
3/4	-		1065048		1070048	
13/16	-		1065052		1070052	
7/8	-		1065056		1070056	
15/16	-		1065060		1070060	
1	-		1065064		1070064	

**HIGH SPEED STEEL
EXTRA LENGTH DRILLS
VERMONT TAP & DIE**



- SERIES 972:**
- 118° K notched for self centering, reduced thrust for ease of penetration.
 - Heavy duty construction for extra tool strength.
 - Black oxide finish for increased wear resistance & improved lubricity, reducing chip welding and galling.

Drill Size	Flute Lgth 5.5" 8" Overall Lgth		Flute Lgth 7.5" 10" Overall Lgth		Flute Lgth 9" 12" Overall Lgth	
	Order No.	Price	Order No.	Price	Order No.	Price
3/32	941001		-		-	
7/64	941002		-		-	
1/8	941003		941101		941201	
9/64	941004		941102		941202	
5/32	941005		941103		941203	
11/64	941006		941104		941204	
3/16	941007		941105		941205	
13/64	941008		941106		941206	
7/32	941009		941107		941207	
15/64	941010		941108		941208	
1/4	941011		941109		941209	
17/64	941012		941110		941210	
9/32	941013		941111		941211	
19/64	941014		941112		941212	
5/16	941015		941113		941213	
21/64	941016		941114		941214	
11/32	941017		941115		941215	
23/64	941018		941116		941216	
3/8	941019		941117		941217	
25/64	941020		941118		941218	
13/32	941021		941119		941219	
27/64	-		941120		941220	
7/16	941023		941121		941221	
29/64	-		941122		941222	
15/32	941025		941123		941223	
31/64	-		941124		941224	
1/2	941027		941125		941225	
33/64	-		941126		941226	
17/32	-		941127		941227	
35/64	-		-		941228	
9/16	-		-		941229	
37/64	-		-		941230	
19/32	-		-		941231	
39/64	-		-		941232	
5/8	-		-		941233	
41/64	-		-		941234	
21/32	-		-		941235	
43/64	-		-		941236	
11/16	-		-		941237	
45/64	-		-		941238	
23/32	-		-		941239	
47/64	-		-		941240	
3/4	-		-		941241	

**COBALT
AIRCRAFT
EXTENSION
DRILLS**
**SERIES 729:
6" OVERALL LENGTH**
**SERIES 730:
12" OVERALL LENGTH**
**135° Split Point;
Made to AIA-NAS 907
Specifications**

Size	Flute Length	6" Overall Lgth.		12" Overall Lgth.		Size	Flute Length	6" Overall Lgth.		12" Overall Lgth.	
		Order No.	Price	Order No.	Price			Order No.	Price	Order No.	Price
1/16	7/8	5196020		5196320		7/32	2-1/2	5196070		5196370	
5/64	1	5196025		5196325		15/64	2-5/8	5196075		5196375	
3/32	1-1/4	5196030		5196330		1/4	2-3/4	5196080		5196380	
7/64	1-1/2	5196035		5196335		9/32	2-15/16	5196090		5196390	
1/8	1-5/8	5196040		5196340		5/16	3-3/16	5196100		5196400	
9/64	1-3/4	5196045		5196345		11/32	3-7/16	5196110		5196410	
5/32	2	5196050		5196350		3/8	3-5/8	5196120		5196420	
11/64	2-1/8	5196055		5196355		13/32	3-7/8	5196130		5196430	
3/16	2-5/16	5196060		5196360		7/16	4-1/16	5196140		5196440	
13/64	2-7/16	5196065		5196365		15/32	4-5/16	5196150		5196450	
						1/2	4-1/2	5196160		5196460	

HIGH SPEED STEEL

AIRCRAFT EXTENSION DRILLS

SERIES 729: 6" OVERALL LENGTH-SUPERIOR IMPORT
 SERIES 730: 12" OVERALL LENGTH-SUPERIOR IMPORT



CUTTING TOOLS - DRILLS

Size	Flute Lgth.	6" Overall Lgth.		12" Overall Lgth.	
		Order No.	Price	Order No.	Price
1	2-5/8	7290001		7300001	
2	2-5/8	7290002		7300002	
3	2-1/2	7290003		7300003	
4	2-1/2	7290004		7300004	
5	2-1/2	7290005		7300005	
6	2-1/2	7290006		7300006	
7	2-7/16	7290007		7300007	
8	2-7/16	7290008		7300008	
9	2-7/16	7290009		7300009	
10	2-7/16	7290010		7300010	
11	2-5/16	7290011		7300011	
12	2-5/16	7290012		7300012	
13	2-5/16	7290013		7300013	
14	2-3/16	7290014		7300014	
15	2-3/16	7290015		7300015	
16	2-3/16	7290016		7300016	
17	2-3/16	7290017		7300017	
18	2-1/8	7290018		7300018	
19	2-1/8	7290019		7300019	
20	2-1/8	7290020		7300020	
21	2-1/8	7290021		7300021	
22	2	7290022		7300022	
23	2	7290023		7300023	
24	2	7290024		7300024	
25	1-7/8	7290025		7300025	
26	1-7/8	7290026		7300026	
27	1-7/8	7290027		7300027	
28	1-3/4	7290028		7300028	
29	1-3/4	7290029		7300029	
30	1-5/8	7290030		7300030	
31	1-5/8	7290031		7300031	
32	1-5/8	7290032		7300032	
33	1-1/2	7290033		7300033	
34	1-1/2	7290034		7300034	
35	1-1/2	7290035		7300035	
36	1-7/16	7290036		7300036	
37	1-7/16	7290037		7300037	
38	1-7/16	7290038		7300038	
39	1-3/8	7290039		7300039	
40	1-3/8	7290040		7300040	
41	1-3/8	7290041		7300041	
42	1-1/4	7290042		7300042	
43	1-1/4	7290043		7300043	
44	1-1/8	7290044		7300044	
45	1-1/8	7290045		7300045	
46	1-1/8	7290046		7300046	
47	1	7290047		7300047	
48	1	7290048		7300048	
49	1	7290049		7300049	
50	1	7290050		7300050	
51	1	7290051		7300051	
52	7/8	7290052		7300052	
53	7/8	7290053		7300053	
54	7/8	7290054		7300054	
55	7/8	7290055		7300055	
56	3/4	7290056		7300056	
57	3/4	7290057		7300057	
58	11/16	7290058		7300058	
59	11/16	7290059		7300059	
60	11/16	7290060		7300060	

Size	Flute Lgth.	6" Overall Lgth.		12" Overall Lgth.	
		Order No.	Price	Order No.	Price
3/64	3/4	7290103		7300103	
1/16	7/8	7290104		7300104	
5/64	1	7290105		7300105	
3/32	1-1/4	7290106		7300106	
7/64	1-1/2	7290107		7300107	
1/8	1-5/8	7290108		7300108	
9/64	1-3/4	7290109		7300109	
5/32	2	7290110		7300110	
11/64	2-1/8	7290111		7300111	
3/16	2-5/16	7290112		7300112	
13/64	2-7/16	7290113		7300113	
7/32	2-1/2	7290114		7300114	
15/64	2-5/8	7290115		7300115	
1/4	2-3/4	7290116		7300116	
17/64	2-7/8	7290117		7300117	
9/32	2-15/16	7290118		7300118	
19/64	3-1/16	7290119		7300119	
5/16	3-3/16	7290120		7300120	
21/64	3-5/16	7290121		7300121	
11/32	3-7/16	7290122		7300122	
23/64	3-1/2	7290123		7300123	
3/8	3-5/8	7290124		7300124	
25/64	3-3/4	7290125		7300125	
13/32	3-7/8	7290126		7300126	
27/64	3-15/16	7290127		7300127	
7/16	4-1/16	7290128		7300128	
29/64	4-3/16	7290129		7300129	
15/32	4-5/16	7290130		7300130	
31/64	4-3/8	7290131		7300131	
1/2	4-1/2	7290132		7300132	
Size	Flute Lgth.	6" Overall Lgth.		12" Overall Lgth.	
		Order No.	Price	Order No.	Price
A	2-5/8	7290201		7300201	
B	2-3/4	7290202		7300202	
C	2-3/4	7290203		7300203	
D	2-3/4	7290204		7300204	
E	2-3/4	7290205		7300205	
F	2-7/8	7290206		7300206	
G	2-7/8	7290207		7300207	
H	2-7/8	7290208		7300208	
I	2-7/8	7290209		7300209	
J	2-7/8	7290210		7300210	
K	2-15/16	7290211		7300211	
L	2-15/16	7290212		7300212	
M	3-1/16	7290213		7300213	
N	3-1/16	7290214		7300214	
O	3-3/16	7290215		7300215	
P	3-5/16	7290216		7300216	
Q	3-7/16	7290217		7300217	
R	3-7/16	7290218		7300218	
S	3-1/2	7290219		7300219	
T	3-1/2	7290220		7300220	
U	3-5/8	7290221		7300221	
V	3-5/8	7290222		7300222	
W	3-3/4	7290223		7300223	
X	3-3/4	7290224		7300224	
Y	3-7/8	7290225		7300225	
Z	3-7/8	7290226		7300226	

HIGH SPEED STEEL
AC EXTENSION DRILLS
VERMONT TAP & DIE
SERIES 973:



- Heavy duty flute construction for increased tool strength.
- Black oxide finish for increased wear resistance & improved lubricity reducing chip welding and galling.
- AIA-NAS 907 specifications approved for aircraft applications.
- 135° split point for self centering, reducing thrust for ease of penetration and the preferred point for stainless steel.

Drill Size	Flute Lgth.	6" Overall Length		12" Overall Length	
		Order No.	Price	Order No.	Price
3/64	3/4	160000		160195	
1/16	7/8	160001		160196	
5/64	1	160002		160197	
3/32	1-1/4	160003		160198	
7/64	1-1/2	160004		160199	
1/8	1-5/8	160005		160200	
9/64	1-3/4	160006		160201	
5/32	2	160007		160202	
11/64	2-1/8	160008		160203	
3/16	2-5/16	160009		160204	
13/64	2-7/16	160010		160205	
7/32	2-1/2	160011		160206	
15/64	2-5/8	160012		160207	
1/4	2-3/4	160013		160208	
17/64	2-5/8	160014		160209	
9/32	3-1/16	160016		160210	
19/64	3-1/16	160017		160211	
5/16	3-3/16	160018		160212	
21/64	3-7/16	160019		160213	
11/32	3-7/16	160020		160214	
23/64	3-1/2	160021		160215	
3/8	3-5/8	160022		160216	
25/64	3-3/4	160023		160217	
13/32	3-3/4	160024		160218	
27/64	3-15/16	160025		160219	
7/16	4-1/16	160026		160220	
29/64	4-3/16	160027		160221	
15/32	4-5/16	160028		160222	
31/64	4-3/8	160029		160223	
1/2	4-1/2	160030		160224	

Drill Size	Flute Lgth.	6" Overall Length		12" Overall Length	
		Order No.	Price	Order No.	Price
C	2-3/4	160333		160322	
D	2-3/4	160334		160323	
F	2-7/8	160335		160324	
H	2-5/8	160336		160325	
I	2-7/8	160337		160326	
L	2-15/16	160338		160327	
O	3-3/16	160339		160328	
Q	3-7/16	160340		160329	
U	3-5/8	160341		160330	
V	3-5/8	160342		160331	
Y	3-7/8	160343		160332	

Drill Size	Flute Lgth.	6" Overall Length		12" Overall Length	
		Order No.	Price	Order No.	Price
1	2-5/8	160031		160225	
2	2-5/8	160032		160226	
3	2-1/2	160033		160227	
4	2-1/2	160034		160228	
5	2-1/2	160035		160229	
6	2-1/2	160036		160230	
7	2-7/16	160037		160231	
8	2-7/16	160038		160232	
9	2-7/16	160039		160233	
10	2-7/16	160040		160234	
11	2-5/16	160041		160235	
12	2-5/16	160042		160236	
13	2-5/16	160043		160237	
14	2-3/16	160044		160238	
15	2-3/16	160045		160239	
16	2-3/16	160046		160240	
17	2-3/16	160047		160241	
18	2-1/8	160048		160242	
19	2-1/8	160049		160243	
20	2-1/8	160050		160244	
21	2-1/8	160051		160245	
22	2	160052		160246	
23	2	160053		160247	
24	2	160054		160248	
25	1-7/8	160055		160249	
26	1-7/8	160056		160250	
27	1-7/8	160057		160251	
28	1-3/4	160058		160252	
29	1-3/4	160059		160253	
30	1-5/8	160060		160254	
31	1-5/8	160061		160255	
32	1-5/8	160062		160256	
33	1-1/2	160063		160257	
34	1-1/2	160064		160258	
35	1-1/2	160065		160259	
36	1-7/16	160066		160260	
37	1-7/16	160067		160261	
38	1-7/16	160068		160262	
39	1-3/8	160069		160263	
40	1-3/8	160070		160264	
41	1-3/8	160071		160265	
42	1-1/4	160072		160266	
43	1-1/4	160073		160267	
44	1-1/4	160074		160268	
45	1-1/8	160075		160269	
46	1-1/8	160076		160270	
47	1-1/8	160077		160271	
48	1	160078		160272	
49	1	160079		160273	
50	1	160080		160274	
51	1	160081		160275	
52	7/8	160082		160276	
53	7/8	160083		160277	
54	7/8	160084		160278	
55	7/8	160085		160279	
56	3/4	160086		160280	
57	3/4	160087		160281	
58	11/16	160088		160282	
59	11/16	160089		160283	
60	11/16	9160090		160284	

CUTTING TOOLS - DRILLS