

**TOLERANCES**

$d_1$ *	3mm - 6mm	+0.16mm +.004mm (+.00063" +.00015")
	> 6mm - 10mm	+0.21mm +.006mm (+.00082" +.00023")
	> 10mm - 18mm	+0.25mm +.007mm (+.00098" +.00027")
	> 18mm - 20mm	+0.29mm +.008mm (+.00114" +.00031")
$d_2$	h6	
$l_1$	+3.175mm -3.175mm (+.125" -.125")	
$l_2$	+3.175mm -3.175mm (+.125" -.125")	
$l_4$	+1.980mm -.000mm (+.078" -.000")	



**Series 1580KD, 1280KD, 1880KD**

.1181" - .1470"  
(3.000mm - 3.734mm)

TECH  
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340-341

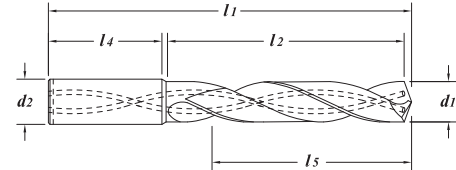
Recommended for high nickel, high temperature alloys, cobalt-based alloys, stainless steels, and tool steels >40 Rc

**BALIQ® ALTINOS Coating (AlTiN-based)**

- High performance solid submicron grain carbide drill with reinforced shank
- Coolant through capabilities for high pressure coolant systems
- Up to 70% faster than standard carbide drills
- 30° helix for better chip evacuation
- Honed cutting edge
- Can be used as a pilot drill
- Live tooling recommended on lathe processes



HIGH PERFORMANCE  
DRILLS



\* Note - These drills are made to a plus/plus tolerance on the drill diameter.  
If you are in need of a minus tolerance drill, please refer to our other high performance drills.

3xD (1580KD) EDP#	5xD (1280KD) EDP#	7xD (1880KD) EDP#	$d_1$ Diameter		$d_2$ Shank Diameter	$l_1$ Overall Length	$l_2$ Flute Length	$l_5$ Max Drill Depth	$l_4$ Shank Length	LIST PRICE	
			Decimal	Metric							
27995			.1181	3.000	6.0	62	20	16	36	57.41	
	25065		.1181	3.000	6.0	66	28	24	36	67.77	
		26942	.1181	3.000	6.0	70	30	26	36	81.35	
28005			.1220	3.100	6.0	62	20	15	36	57.41	
	25075		.1220	3.100	6.0	66	28	23	36	67.77	
28015			.1248	3.170	6.0	62	20	15	36	57.41	
	25085		.1248	3.170	6.0	66	28	23	36	67.77	
		26946	.1248	3.170	6.0	70	30	25	36	81.35	
28018			.1250	1/8"	3.175	6.0	62	20	15	36	57.41
	25088		.1250	1/8"	3.175	6.0	66	28	23	36	67.77
		26948	.1250	1/8"	3.175	6.0	70	30	25	36	81.35
28025			.1260	3.200	6.0	62	20	15	36	57.41	
	25095		.1260	3.200	6.0	66	28	23	36	67.77	
		26950	.1260	3.200	6.0	70	30	25	36	81.35	
28035			.1280	3.250	6.0	62	20	15	36	57.41	
	25105		.1280	3.250	6.0	66	28	23	36	67.77	
		26952	.1280	3.250	6.0	70	30	25	36	81.35	
28038			.1285	#30	3.264	6.0	62	20	15	36	57.41
	25108		.1285	#30	3.264	6.0	66	28	23	36	67.77
		26954	.1285	#30	3.264	6.0	70	30	25	36	81.35
28045			.1299	3.300	6.0	62	20	15	36	57.41	
	25115		.1299	3.300	6.0	66	28	23	36	67.77	
		26956	.1299	3.300	6.0	70	30	25	36	81.35	
28055			.1339	3.400	6.0	62	20	15	36	57.41	
	25125		.1339	3.400	6.0	66	28	23	36	67.77	
28058			.1360	#29	3.454	6.0	62	20	15	36	57.41
	25128		.1360	#29	3.454	6.0	66	28	23	36	67.77
		26960	.1360	#29	3.454	6.0	70	30	25	36	81.35
28065			.1378	3.500	6.0	62	20	15	36	57.41	
	25135		.1378	3.500	6.0	66	28	23	36	67.77	
		26962	.1378	3.500	6.0	75	37	32	36	81.35	
28075			.1417	3.600	6.0	62	20	15	36	57.41	
	25145		.1417	3.600	6.0	66	28	23	36	67.77	
28085			.1457	3.700	6.0	62	20	14	36	57.41	
	25155		.1457	3.700	6.0	66	28	22	36	67.77	
28088			.1470	#26	3.734	6.0	62	20	14	36	57.41
	25158		.1470	#26	3.734	6.0	66	28	22	36	67.77
		26968	.1470	#26	3.734	6.0	75	37	31	81.35	

continued →

Series 1580KD, 1280KD, 1880KD (continued)

.1476" - .1820"  
(3.750mm - 4.622mm)

3xD (1580KD) EDP#	5xD (1280KD) EDP#	7xD (1880KD) EDP#	d1 Diameter		d2 Shank Diameter	l1 Overall Length	l2 Flute Length	l5 Max Drill Depth	l4 Shank Length	LIST PRICE
			Decimal	Metric						
28095			.1476	3.750	6.0	62	20	14	36	57.41
	25165		.1476	3.750	6.0	66	28	22	36	67.77
		26972	.1476	3.750	6.0	75	37	31	36	81.35
28098			.1495	#25 3.797	6.0	62	20	14	36	57.41
	25172		.1495	#25 3.797	6.0	66	28	22	36	67.77
		26978	.1495	#25 3.797	6.0	75	37	31	36	81.35
28105			.1496	3.800	6.0	66	24	18	36	57.41
	25175		.1496	3.800	6.0	74	36	30	36	67.77
28115			.1535	3.900	6.0	66	24	18	36	57.41
	25185		.1535	3.900	6.0	74	36	30	36	67.77
		26982	.1535	3.900	6.0	75	37	31	36	81.35
28118			.1562	5/32" 3.967	6.0	66	24	18	36	57.41
	25192		.1562	5/32" 3.967	6.0	74	36	30	36	67.77
		26984	.1562	5/32" 3.967	6.0	75	37	31	36	81.35
28125			.1563	3.970	6.0	66	24	18	36	57.41
	25195		.1563	3.970	6.0	74	36	30	36	67.77
28135			.1575	4.000	6.0	66	24	18	36	57.41
	25205		.1575	4.000	6.0	74	36	30	36	67.77
		26986	.1575	4.000	6.0	75	37	31	36	81.35
28138			.1590	#21 4.038	6.0	66	24	18	36	57.41
	25208		.1590	#21 4.038	6.0	74	36	30	36	67.77
		26988	.1590	#21 4.038	6.0	75	37	31	36	81.35
28140			.1610	#20 4.089	6.0	66	24	18	36	57.41
	25212		.1610	#20 4.089	6.0	74	36	30	36	67.77
		26990	.1610	#20 4.089	6.0	75	37	31	36	81.35
28145			.1614	4.100	6.0	66	24	18	36	57.41
	25215		.1614	4.100	6.0	74	36	30	36	67.77
		26992	.1614	4.100	6.0	75	37	31	36	81.35
28155			.1654	4.200	6.0	66	24	18	36	57.41
	25225		.1654	4.200	6.0	74	36	30	36	67.77
		26994	.1654	4.200	6.0	75	37	31	36	81.35
28158			.1660	#19 4.216	6.0	66	24	18	36	57.41
	25228		.1660	#19 4.216	6.0	74	36	30	36	67.77
		26996	.1660	#19 4.216	6.0	85	45	39	36	81.35
28165			.1673	4.250	6.0	66	24	18	36	57.41
	25235		.1673	4.250	6.0	74	36	30	36	67.77
		26998	.1673	4.250	6.0	85	45	39	36	81.35
28175			.1693	4.300	6.0	66	24	18	36	57.41
	25245		.1693	4.300	6.0	74	36	30	36	67.77
28178			.1719	11/64" 4.366	6.0	66	24	17	36	57.41
	25248		.1719	11/64" 4.366	6.0	74	36	29	36	67.77
		27002	.1719	11/64" 4.366	6.0	85	45	38	36	81.35
28185			.1732	4.400	6.0	66	24	17	36	57.41
	25255		.1732	4.400	6.0	74	36	29	36	67.77
		27004	.1732	4.400	6.0	85	45	38	36	81.35
28188			.1770	#16 4.496	6.0	66	24	17	36	57.41
	25262		.1770	#16 4.496	6.0	74	36	29	36	67.77
		27006	.1770	#16 4.496	6.0	85	45	38	36	81.35
28195			.1772	4.500	6.0	66	24	17	36	57.41
	25265		.1772	4.500	6.0	74	36	29	36	67.77
		27008	.1772	4.500	6.0	85	45	38	36	81.35
28205			.1811	4.600	6.0	66	24	17	36	57.41
	25275		.1811	4.600	6.0	74	36	29	36	67.77
		27011	.1811	4.600	6.0	85	45	38	36	81.35
28208			.1820	#14 4.622	6.0	66	24	17	36	57.41
	25280		.1820	#14 4.622	6.0	74	36	29	36	67.77
		27012	.1820	#14 4.622	6.0	90	50	43	36	81.35

# Series 1580KD, 1280KD, 1880KD (continued)

.1831" - .2283"  
(4.650mm - 5.800mm)

HIGH PERFORMANCE  
DRILLS

3xD (1580KD) EDP#	5xD (1280KD) EDP#	7xD (1880KD) EDP#	<i>d1</i> Diameter		<i>d2</i> Shank Diameter	<i>l1</i> Overall Length	<i>l2</i> Flute Length	<i>l5</i> Max Drill Depth	<i>l4</i> Shank Length	LIST PRICE	
			Decimal	Metric							
	25285		.1831	4.650	6.0	74	36	29	36	67.77	
		27014	.1831	4.650	6.0	90	50	43	36	81.35	
28225			.1850	4.700	6.0	66	24	17	36	57.41	
	25295		.1850	4.700	6.0	74	36	29	36	67.77	
28235			.1870	4.750	6.0	66	24	17	36	57.41	
	25305		.1870	4.750	6.0	74	36	29	36	67.77	
		27016	.1870	4.750	6.0	90	50	43	36	81.35	
28238			.1875	3/16"	4.762	6.0	66	28	21	36	57.41
	25310		.1875	3/16"	4.762	6.0	74	36	29	36	65.16
		27018	.1875	3/16"	4.762	6.0	90	50	43	36	81.35
28245			.1890	#12	4.800	6.0	66	28	21	36	57.41
	25315		.1890	#12	4.800	6.0	82	44	37	36	67.77
		27021	.1890	#12	4.800	6.0	90	50	43	36	81.35
28255			.1929		4.900	6.0	66	28	21	36	57.41
	25325		.1929		4.900	6.0	82	44	37	36	67.77
		27022	.1929		4.900	6.0	90	50	43	36	81.35
28258			.1960	#9	4.978	6.0	66	28	21	36	57.41
	25330		.1960	#9	4.978	6.0	82	44	37	36	67.77
		27024	.1960	#9	4.978	6.0	90	50	43	36	81.35
28265			.1969		5.000	6.0	66	28	21	36	57.41
	25335		.1969		5.000	6.0	82	44	37	36	67.77
		27026	.1969		5.000	6.0	90	50	43	36	81.35
28275			.2008		5.100	6.0	66	28	20	36	57.41
	25345		.2008		5.100	6.0	82	44	36	36	67.77
28278			.2010	#7	5.105	6.0	66	28	20	36	57.41
	25348		.2010	#7	5.105	6.0	82	44	36	36	67.77
		27031	.2010	#7	5.105	6.0	97	57	49	36	81.35
28285			.2027		5.150	6.0	66	28	20	36	57.41
	25355		.2027		5.150	6.0	82	44	36	36	67.77
28295			.2047		5.200	6.0	66	28	20	36	57.41
	25365		.2047		5.200	6.0	82	44	36	36	67.77
28305			.2087		5.300	6.0	66	28	20	36	57.41
	25375		.2087		5.300	6.0	82	44	36	36	67.77
28308			.2130	#3	5.410	6.0	66	28	20	36	57.41
	25380		.2130	#3	5.410	6.0	82	44	36	36	67.77
		27036	.2130	#3	5.410	6.0	97	57	49	36	81.35
28315			.2165		5.500	6.0	66	28	20	36	57.41
	25385		.2165		5.500	6.0	82	44	36	36	67.77
		27038	.2165		5.500	6.0	97	57	49	36	81.35
28325			.2185		5.550	6.0	66	28	20	36	57.41
	25395		.2185		5.550	6.0	82	44	36	36	67.77
28328			.2188	7/32"	5.557	6.0	66	28	20	36	57.41
	25398		.2188	7/32"	5.557	6.0	82	44	36	36	67.77
		27041	.2188	7/32"	5.557	6.0	97	57	49	36	81.35
28335			.2205		5.600	6.0	66	28	20	36	57.41
	25397		.2205		5.600	6.0	82	44	36	36	67.77
		27042	.2205		5.600	6.0	97	57	49	36	81.35
28345			.2244		5.700	6.0	66	28	19	36	57.41
	25400		.2244		5.700	6.0	82	44	35	36	67.77
		27044	.2244		5.700	6.0	97	57	48	36	81.35
28348			.2280	#1	5.791	6.0	66	28	19	36	57.41
	25403		.2280	#1	5.791	6.0	82	44	35	36	67.77
		27046	.2280	#1	5.791	6.0	97	57	48	36	81.35
28355			.2283		5.800	6.0	66	28	19	36	57.41
	25405		.2283		5.800	6.0	82	44	35	36	67.77
		27048	.2283		5.800	6.0	97	57	48	36	81.35

continued →

Series 1580KD, 1280KD, 1880KD (continued)

.2323" - .2812"  
(5.900mm - 7.142mm)

3xD (1580KD) EDP#	5xD (1280KD) EDP#	7xD (1880KD) EDP#	<i>d1</i> Diameter		<i>d2</i> Shank Diameter	<i>l1</i> Overall Length	<i>l2</i> Flute Length	<i>l5</i> Max Drill Depth	<i>l4</i> Shank Length	LIST PRICE	
			Decimal	Metric							
28365			.2323	5.900	6.0	66	28	19	36	57.41	
	25415		.2323	5.900	6.0	82	44	35	36	67.77	
		27051	.2323	5.900	6.0	97	57	48	36	81.35	
28375			.2342	5.950	6.0	66	28	19	36	57.41	
	25425		.2342	5.950	6.0	82	44	35	36	67.77	
		27052	.2342	5.950	6.0	97	57	48	36	81.35	
28385			.2362	6.000	6.0	66	28	19	36	57.41	
	25435		.2362	6.000	6.0	82	44	35	36	67.77	
		27054	.2362	6.000	6.0	97	57	48	36	81.35	
28395			.2402	6.100	8.0	79	34	25	36	79.98	
	25437		.2402	6.100	8.0	91	53	44	36	95.29	
28405			.2441	6.200	8.0	79	34	25	36	79.98	
	25440		.2441	6.200	8.0	91	53	44	36	95.29	
28415			.2480	6.300	8.0	79	34	25	36	79.98	
	25443		.2480	6.300	8.0	91	53	44	36	95.29	
28425			.2500	1/4"	6.350	8.0	79	34	24	36	79.98
	25445		.2500	1/4"	6.350	8.0	91	53	43	36	95.29
		27056	.2500	1/4"	6.350	8.0	106	66	56	36	115.04
28435			.2520	6.400	8.0	79	34	24	36	79.98	
	25450		.2520	6.400	8.0	91	53	43	36	95.29	
		27058	.2520	6.400	8.0	106	66	56	36	115.04	
28445			.2559	6.500	8.0	79	34	24	36	79.98	
	25455		.2559	6.500	8.0	91	53	43	36	95.29	
		27061	.2559	6.500	8.0	106	66	56	36	115.04	
28446			.2571	6.530	8.0	79	34	24	36	79.98	
	25457		.2571	6.530	8.0	91	53	43	36	95.29	
		27062	.2571	6.530	8.0	106	66	56	36	115.04	
28455			.2598	6.600	8.0	79	34	24	36	79.98	
	25460		.2598	6.600	8.0	91	53	43	36	95.29	
		27064	.2598	6.600	8.0	106	66	56	36	115.04	
	25463		.2638	6.700	8.0	91	53	43	36	95.29	
		27066	.2638	6.700	8.0	106	66	56	36	115.04	
28463			.2656	17/64"	6.746	8.0	79	34	24	36	79.98
	25464		.2656	17/64"	6.746	8.0	91	53	43	36	95.29
		27068	.2656	17/64"	6.746	8.0	106	66	56	36	115.04
28465			.2657	6.750	8.0	79	34	24	36	79.98	
	25465		.2657	6.750	8.0	91	53	43	36	95.29	
28475			.2677	6.800	8.0	79	34	24	36	79.98	
	25475		.2677	6.800	8.0	91	53	43	36	95.29	
		27071	.2677	6.800	8.0	106	66	56	36	115.04	
28485			.2717	6.900	8.0	79	34	24	36	79.98	
	25485		.2717	6.900	8.0	91	53	43	36	95.29	
		27072	.2717	6.900	8.0	116	76	66	36	115.04	
28495			.2756	7.000	8.0	79	34	24	36	79.98	
	25495		.2756	7.000	8.0	91	53	43	36	95.29	
		27074	.2756	7.000	8.0	116	76	66	36	115.04	
28498			.2770	J	7.035	8.0	79	41	30	36	79.98
	25498		.2770	J	7.035	8.0	91	53	42	36	95.29
		27076	.2770	J	7.035	8.0	116	76	65	36	115.04
28505			.2795	7.100	8.0	79	41	30	36	79.98	
	25505		.2795	7.100	8.0	91	53	42	36	95.29	
28508			.2812	9/32"	7.142	8.0	79	41	30	36	79.98
	25512		.2812	9/32"	7.142	8.0	91	53	42	36	95.29
		27079	.2812	9/32"	7.142	8.0	116	76	65	36	115.04

# Series 1580KD, 1280KD, 1880KD (continued)

.2815" - .3386"  
(7.150mm - 8.600mm)

HIGH PERFORMANCE  
DRILLS

3xD (1580KD) EDP#	5xD (1280KD) EDP#	7xD (1880KD) EDP#	<i>d1</i> Diameter		<i>d2</i> Shank Diameter	<i>l1</i> Overall Length	<i>l2</i> Flute Length	<i>l5</i> Max Drill Depth	<i>l4</i> Shank Length	LIST PRICE
			Decimal	Metric						
28515			.2815	7.150	8.0	79	41	30	36	79.98
	25515		.2815	7.150	8.0	91	53	42	36	95.29
		27082	.2815	7.150	8.0	116	76	65	36	115.04
28525			.2835	7.200	8.0	79	41	30	36	79.98
	25525		.2835	7.200	8.0	91	53	42	36	95.29
28535			.2874	7.300	8.0	79	41	30	36	79.98
	25530		.2874	7.300	8.0	91	53	42	36	95.29
28545			.2913	7.400	8.0	79	41	30	36	79.98
	25535		.2913	7.400	8.0	91	53	42	36	95.29
28555			.2953	7.500	8.0	79	41	30	36	79.98
	25545		.2953	7.500	8.0	91	53	42	36	95.29
		27086	.2953	7.500	8.0	116	76	65	36	115.04
28565			.2972	7.550	8.0	79	41	30	36	79.98
	25555		.2972	7.550	8.0	91	53	42	36	95.29
		27088	.2972	7.550	8.0	116	76	65	36	115.04
28575			.2992	7.600	8.0	79	41	30	36	79.98
	25565		.2992	7.600	8.0	91	53	42	36	95.29
28578			.3020	N 7.670	8.0	79	41	29	36	79.98
	25570		.3020	N 7.670	8.0	91	53	41	36	95.29
		27092	.3020	N 7.670	8.0	116	76	64	36	115.04
28585			.3031	7.700	8.0	79	41	29	36	79.98
	25575		.3031	7.700	8.0	91	53	41	36	95.29
28595			.3071	7.800	8.0	79	41	29	36	79.98
	25585		.3071	7.800	8.0	91	53	41	36	95.29
		27096	.3071	7.800	8.0	116	76	64	36	115.04
28602			.3125	5/16" 7.937	8.0	79	41	29	36	79.98
	25593		.3125	5/16" 7.937	8.0	91	53	41	36	95.29
		27101	.3125	5/16" 7.937	8.0	116	76	64	36	115.04
28605			.3130	7.950	8.0	79	41	29	36	79.98
	25595		.3130	7.950	8.0	91	53	41	36	95.29
		27102	.3130	7.950	8.0	116	76	64	36	115.04
28615			.3150	8.000	8.0	79	41	29	36	79.98
	25605		.3150	8.000	8.0	91	53	41	36	95.29
		27104	.3150	8.000	8.0	116	76	64	36	115.04
28625			.3189	8.100	10.0	89	47	35	40	107.78
	25610		.3189	8.100	10.0	103	61	49	40	122.77
28635			.3228	8.200	10.0	89	47	35	40	107.78
	25615		.3228	8.200	10.0	103	61	49	40	122.77
28638			.3230	P 8.204	10.0	89	47	35	40	107.78
	25618		.3230	P 8.204	10.0	103	61	49	40	122.77
		27108	.3230	P 8.204	10.0	131	87	75	40	156.87
28645			.3268	8.300	10.0	89	47	35	40	107.78
	25625		.3268	8.300	10.0	103	61	49	40	122.77
28648			.3281	21/64" 8.333	10.0	89	47	35	40	107.78
	25628		.3281	21/64" 8.333	10.0	103	61	49	40	122.77
		27112	.3281	21/64" 8.333	10.0	131	87	75	40	156.87
28655			.3287	8.350	10.0	89	47	34	40	107.78
	25635		.3287	8.350	10.0	103	61	48	40	122.77
		27114	.3287	8.350	10.0	131	87	74	40	156.87
28665			.3307	8.400	10.0	89	47	34	40	107.78
	25640		.3307	8.400	10.0	103	61	48	40	122.77
28675			.3346	8.500	10.0	89	47	34	40	107.78
	25645		.3346	8.500	10.0	103	61	48	40	122.77
		27118	.3346	8.500	10.0	131	87	74	40	156.87
28685			.3386	8.600	10.0	89	47	34	40	107.78
	25655		.3386	8.600	10.0	103	61	48	40	122.77
		27121	.3386	8.600	10.0	131	87	74	40	156.87

continued →

Series 1580KD, 1280KD, 1880KD (continued)

.3390" - .3906"  
(8.610mm - 9.920mm)

3xD (1580KD) EDP#	5xD (1280KD) EDP#	7xD (1880KD) EDP#	d1 Diameter		d2 Shank Diameter	l1 Overall Length	l2 Flute Length	l5 Max Drill Depth	l4 Shank Length	LIST PRICE	
			Decimal	Metric							
28688			.3390	R	8.610	10.0	89	47	34	40	107.78
	25658		.3390	R	8.610	10.0	103	61	48	40	122.77
		27122	.3390	R	8.610	10.0	131	87	74	40	156.87
28695			.3425		8.700	10.0	89	47	34	40	107.78
	25665		.3425		8.700	10.0	103	61	48	40	122.77
		27124	.3425		8.700	10.0	131	87	74	40	156.87
28698			.3438	11/32"	8.732	10.0	89	47	34	40	107.78
	25670		.3438	11/32"	8.732	10.0	103	61	48	40	122.77
		27126	.3438	11/32"	8.732	10.0	131	87	74	40	156.87
28725			.3445		8.750	10.0	89	47	34	40	107.78
	25675		.3445		8.750	10.0	103	61	48	40	122.77
		27128	.3445		8.750	10.0	131	87	74	40	156.87
28735			.3465		8.800	10.0	89	47	34	40	107.78
	25685		.3465		8.800	10.0	103	61	48	40	122.77
		27130	.3465		8.800	10.0	131	87	74	40	156.87
28745			.3504		8.900	10.0	89	47	34	40	107.78
	25695		.3504		8.900	10.0	103	61	48	40	122.77
28755			.3543		9.000	10.0	89	47	34	40	107.78
	25705		.3543		9.000	10.0	103	61	48	40	122.77
		27134	.3543		9.000	10.0	131	87	74	40	156.87
28765			.3583		9.100	10.0	89	47	33	40	107.78
	25715		.3583		9.100	10.0	103	61	47	40	122.77
28768			.3594	23/64"	9.128	10.0	89	47	33	40	107.78
	25720		.3594	23/64"	9.128	10.0	103	61	47	40	122.77
		27138	.3594	23/64"	9.128	10.0	139	95	84	40	156.87
	25725		.3602		9.150	10.0	103	61	47	40	122.77
		27140	.3602		9.150	10.0	139	95	81	40	156.87
28815			.3622		9.200	10.0	89	47	33	40	107.78
	25735		.3622		9.200	10.0	103	61	47	40	122.77
28825			.3661		9.300	10.0	89	47	33	40	107.78
	25745		.3661		9.300	10.0	103	61	47	40	122.77
28845			.3701		9.400	10.0	89	47	33	40	107.78
	25750		.3701		9.400	10.0	103	61	47	40	122.77
28855			.3740		9.500	10.0	89	47	33	40	107.78
	25755		.3740		9.500	10.0	103	61	47	40	122.77
		27146	.3740		9.500	10.0	139	95	81	40	156.87
28858			.3750	3/8"	9.525	10.0	89	47	33	40	107.78
	25760		.3750	3/8"	9.525	10.0	103	61	47	40	122.77
		27148	.3750	3/8"	9.525	10.0	139	95	81	40	156.87
28875			.3760		9.550	10.0	89	47	33	40	107.78
	25765		.3760		9.550	10.0	103	61	47	40	122.77
		27150	.3760		9.550	10.0	139	95	81	40	156.87
28878			.3780		9.600	10.0	89	47	33	40	107.78
	25767		.3780		9.600	10.0	103	61	47	40	122.77
		27152	.3780		9.600	10.0	139	95	81	40	156.87
28882			.3819		9.700	10.0	89	47	32	40	107.78
	25770		.3819		9.700	10.0	103	61	46	40	122.77
28885			.3858		9.800	10.0	89	47	32	40	107.78
	25775		.3858		9.800	10.0	103	61	46	40	122.77
28895			.3898		9.900	10.0	89	47	32	40	107.78
	25785		.3898		9.900	10.0	103	61	46	40	122.77
		27160	.3898		9.900	10.0	139	95	80	40	156.87
28898			.3906	25/64"	9.920	10.0	89	47	32	40	107.78
	25787		.3906	25/64"	9.920	10.0	103	61	46	40	122.77
		27162	.3906	25/64"	9.920	10.0	139	95	80	40	156.87

# Series 1580KD, 1280KD, 1880KD (continued)

.3937" - .4688"  
(10.000mm - 11.907mm)

HIGH PERFORMANCE  
DRILLS

3xD (1580KD) EDP#	5xD (1280KD) EDP#	7xD (1880KD) EDP#	<i>d1</i> Diameter		<i>d2</i> Shank Diameter	<i>l1</i> Overall Length	<i>l2</i> Flute Length	<i>l5</i> Max Drill Depth	<i>l4</i> Shank Length	LIST PRICE
			Decimal	Metric						
28905			.3937	10.000	10.0	89	47	32	40	107.78
	25795		.3937	10.000	10.0	103	61	46	40	122.77
		27164	.3937	10.000	10.0	139	95	80	40	156.87
28925			.3976	10.100	12.0	102	55	40	45	139.55
	25800		.3976	10.100	12.0	118	71	56	45	158.33
28935			.4016	10.200	12.0	102	55	40	45	139.55
	25805		.4016	10.200	12.0	118	71	56	45	158.33
28945			.4055	10.300	12.0	102	55	40	45	139.55
	25815		.4055	10.300	12.0	118	71	56	45	158.33
		27170	.4055	10.300	12.0	155	106	91	45	203.88
28948			.4062	13/32"	10.317	12.0	102	55	40	139.55
	25817		.4062	13/32"	10.317	12.0	118	71	56	158.33
		27172	.4062	13/32"	10.317	12.0	155	106	91	203.88
28953			.4130	Z	10.490	12.0	102	55	39	139.55
	25823		.4130	Z	10.490	12.0	118	71	55	158.33
		27178	.4130	Z	10.490	12.0	155	106	90	203.88
28955			.4134	10.500	12.0	102	55	39	45	139.55
	25825		.4134	10.500	12.0	118	71	55	45	158.33
		27180	.4134	10.500	12.0	155	106	90	45	203.88
28965			.4173	10.600	12.0	102	55	39	45	139.55
	25830		.4173	10.600	12.0	118	71	55	45	158.33
		27182	.4173	10.600	12.0	155	106	90	45	203.88
28975			.4213	10.700	12.0	102	55	39	45	139.55
	25835		.4213	10.700	12.0	118	71	55	45	158.33
		27184	.4213	10.700	12.0	155	106	90	45	203.88
28978			.4219	27/64"	10.716	12.0	102	55	39	139.55
	25838		.4219	27/64"	10.716	12.0	118	71	55	158.33
		27186	.4219	27/64"	10.716	12.0	155	106	90	203.88
28985			.4252	10.800	12.0	102	55	39	45	139.55
	25845		.4252	10.800	12.0	118	71	55	45	158.33
28995			.4331	11.000	12.0	102	55	39	45	139.55
	25855		.4331	11.000	12.0	118	71	55	45	158.33
		27190	.4331	11.000	12.0	163	114	98	45	203.88
29005			.4370	11.100	12.0	102	55	38	45	139.55
	25865		.4370	11.100	12.0	118	71	54	45	158.33
29008			.4375	7/16"	11.112	12.0	102	55	38	139.55
	25868		.4375	7/16"	11.112	12.0	118	71	54	158.33
		27194	.4375	7/16"	11.112	12.0	163	114	97	203.88
29015			.4409	11.200	12.0	102	55	38	45	139.55
	25875		.4409	11.200	12.0	118	71	54	45	158.33
29025			.4488	11.400	12.0	102	55	38	45	139.55
	25880		.4488	11.400	12.0	118	71	54	45	158.33
29035			.4528	11.500	12.0	102	55	38	45	139.55
	25885		.4528	11.500	12.0	118	71	54	45	158.33
29038			.4531	29/64"	11.508	12.0	102	55	38	139.55
	25888		.4531	29/64"	11.508	12.0	118	71	54	158.33
		27200	.4531	29/64"	11.508	12.0	163	114	97	203.88
29045			.4606	11.700	12.0	102	55	37	45	139.55
	25895		.4606	11.700	12.0	118	71	53	45	158.33
29055			.4685	11.900	12.0	102	55	37	45	139.55
29058			.4688	15/32"	11.907	12.0	102	55	37	139.55
	25910		.4688	15/32"	11.907	12.0	118	71	53	158.33
		27208	.4688	15/32"	11.907	12.0	163	114	96	203.88

continued →

Series 1580KD, 1280KD, 1880KD (continued)

.4724" - .5610"  
(12.000mm - 14.250mm)

3xD (1580KD) EDP#	5xD (1280KD) EDP#	7xD (1880KD) EDP#	d1 Diameter		d2 Shank Diameter	l1 Overall Length	l2 Flute Length	l5 Max Drill Depth	l4 Shank Length	LIST PRICE
			Decimal	Metric						
29065			.4724	12.000	12.0	102	55	37	45	139.55
	25915		.4724	12.000	12.0	118	71	53	45	158.33
		27210	.4724	12.000	12.0	163	114	96	45	203.88
29075			.4764	12.100	14.0	107	60	42	45	194.94
	25925		.4764	12.100	14.0	124	77	59	45	233.61
29085			.4803	12.200	14.0	107	60	42	45	194.94
	25930		.4803	12.200	14.0	124	77	59	45	233.61
29095			.4842	12.300	14.0	107	60	42	45	194.94
	25935		.4842	12.300	14.0	124	77	59	45	233.61
29098			.4844	31/64"	12.303	14.0	107	60	42	194.94
	25937		.4844	31/64"	12.303	14.0	124	77	59	233.61
		27214	.4844	31/64"	12.303	14.0	182	133	115	272.22
29115			.4921	12.500	14.0	107	60	41	45	194.94
	25945		.4921	12.500	14.0	124	77	58	45	233.61
		27218	.4921	12.500	14.0	182	133	114	45	272.22
29125			.4961	12.600	14.0	107	60	41	45	194.94
	25950		.4961	12.600	14.0	124	77	58	45	233.61
29135			.5000	1/2"	12.700	14.0	107	60	41	194.94
	25955		.5000	1/2"	12.700	14.0	124	77	58	233.61
		27220	.5000	1/2"	12.700	14.0	182	133	114	272.22
29145			.5039	12.800	14.0	107	60	41	45	194.94
	25960		.5039	12.800	14.0	124	77	58	45	233.61
29148			.5051	12.830	14.0	107	60	41	45	194.94
	25961		.5051	12.830	14.0	124	77	58	45	233.61
		27224	.5051	12.830	14.0	182	133	114	45	272.22
29155			.5079	12.900	14.0	107	60	41	45	194.94
		27226	.5079	12.900	14.0	182	133	114	45	272.22
29161			.5098	12.950	14.0	107	60	41	45	187.44
		27228	.5098	12.950	14.0	182	133	114	45	272.22
29165			.5118	13.000	14.0	107	60	41	45	194.94
	25965		.5118	13.000	14.0	124	77	58	45	233.61
		27230	.5118	13.000	14.0	182	133	114	45	272.22
29175			.5157	13.100	14.0	107	60	40	45	194.94
	25975		.5157	13.100	14.0	124	77	57	45	233.61
29181			.5236	13.300	14.0	107	60	40	45	194.94
29184			.5312	17/32"	13.492	14.0	107	60	40	194.94
	25983		.5312	17/32"	13.492	14.0	124	77	57	233.61
		27238	.5312	17/32"	13.492	14.0	182	133	113	272.22
29185			.5315	13.500	14.0	107	60	40	45	194.94
	25985		.5315	13.500	14.0	124	77	57	45	233.61
		27240	.5315	13.500	14.0	182	133	113	45	272.22
29195			.5394	13.700	14.0	107	60	39	45	194.94
	25995		.5394	13.700	14.0	124	77	56	45	233.61
29205			.5433	13.800	14.0	107	60	39	45	194.94
	26005		.5433	13.800	14.0	124	77	56	45	233.61
29215			.5512	14.000	14.0	107	60	39	45	194.94
	26015		.5512	14.000	14.0	124	77	56	45	233.61
		27250	.5512	14.000	14.0	182	133	112	45	272.22
29225			.5551	14.100	16.0	115	65	44	48	238.27
	26025		.5551	14.100	16.0	133	83	62	48	310.63
29235			.5591	14.200	16.0	115	65	44	48	238.27
	26027		.5591	14.200	16.0	133	83	62	48	310.63
29245			.5610	14.250	16.0	115	65	44	48	238.27

# Series 1580KD, 1280KD, 1880KD (continued)

.5625" - .7283"  
(14.287mm - 18.500mm)

HIGH PERFORMANCE  
DRILLS

3xD (1580KD) EDP#	5xD (1280KD) EDP#	7xD (1880KD) EDP#	<i>d1</i> Diameter		<i>d2</i> Shank Diameter	<i>l1</i> Overall Length	<i>l2</i> Flute Length	<i>l5</i> Max Drill Depth	<i>l4</i> Shank Length	LIST PRICE	
			Decimal	Metric							
29250			.5625	9/16"	14.287	16.0	115	65	44	48	238.27
	26042		.5625	9/16"	14.287	16.0	133	83	62	48	310.63
		27254	.5625	9/16"	14.287	16.0	204	152	131	48	360.09
29255			.5630		14.300	16.0	115	65	44	48	238.27
	26045		.5630		14.300	16.0	133	83	62	48	310.63
29265			.5709		14.500	16.0	115	65	43	48	238.27
	26055		.5709		14.500	16.0	133	83	61	48	310.63
		27258	.5709		14.500	16.0	204	152	130	48	360.09
29275			.5787		14.700	16.0	115	65	43	48	238.27
	26065		.5787		14.700	16.0	133	83	61	48	310.63
29285			.5827		14.800	16.0	115	65	43	48	238.27
29305			.5906		15.000	16.0	115	65	43	48	238.27
	26075		.5906		15.000	16.0	133	83	61	48	310.63
		27264	.5906		15.000	16.0	204	152	130	48	360.09
29308			.5938	19/32"	15.082	16.0	115	65	42	48	238.27
	26083		.5938	19/32"	15.082	16.0	133	83	60	48	310.63
29315			.5945		15.100	16.0	115	65	42	48	238.27
	26085		.5945		15.100	16.0	133	83	60	48	310.63
		27268	.5945		15.100	16.0	204	152	129	48	360.09
29325			.6102		15.500	16.0	115	65	42	48	238.27
	26095		.6102		15.500	16.0	133	83	60	48	310.63
	26105		.6181		15.700	16.0	133	83	59	48	310.63
29345			.6220		15.800	16.0	115	65	41	48	238.27
	26107		.6220		15.800	16.0	133	83	59	48	310.63
		27276	.6220		15.800	16.0	204	152	128	48	360.09
29348			.6250	5/8"	15.875	16.0	115	65	41	48	238.27
	26108		.6250	5/8"	15.875	16.0	133	83	59	48	310.63
		27278	.6250	5/8"	15.875	16.0	204	152	128	48	360.09
	26115		.6299		16.000	16.0	133	83	59	48	310.63
		27282	.6299		16.000	16.0	204	152	128	48	360.09
29363			.6331		16.080	18.0	123	73	49	48	301.27
	26118		.6331		16.080	18.0	143	93	69	48	369.29
29365			.6339		16.100	18.0	123	73	49	48	301.27
	26119		.6339		16.100	18.0	143	93	69	48	369.29
	26123		.6378		16.200	18.0	143	93	69	48	369.29
29375			.6398		16.250	18.0	123	73	49	48	301.27
	26125		.6398		16.250	18.0	143	93	69	48	369.29
29385			.6496		16.500	18.0	123	73	48	48	301.27
	26135		.6496		16.500	18.0	143	93	68	48	369.29
29395			.6555		16.650	18.0	123	73	48	48	301.27
	26145		.6555		16.650	18.0	143	93	68	48	369.29
29405			.6693		17.000	18.0	123	73	48	48	301.27
	26155		.6693		17.000	18.0	143	93	68	48	369.29
29415			.6713		17.050	18.0	123	73	47	48	301.27
	26165		.6713		17.050	18.0	143	93	67	48	369.29
29425			.6870		17.450	18.0	123	73	47	48	301.27
	26175		.6870		17.450	18.0	143	93	67	48	369.29
29435			.6890		17.500	18.0	123	73	47	48	301.27
	26185		.6890		17.500	18.0	143	93	67	48	369.29
29445			.7027		17.850	18.0	123	73	46	48	301.27
	26195		.7027		17.850	18.0	143	93	66	48	369.29
29455			.7087		18.000	18.0	123	73	46	48	301.27
	26205		.7087		18.000	18.0	143	93	66	48	369.29
	26215		.7185		18.250	20.0	153	101	74	50	448.25
	26225		.7283		18.500	20.0	153	101	73	50	448.25

continued →

Series 1580KD, 1280KD, 1880KD (continued)

.7342" - .7874"  
(18.650mm - 20.000mm)

3xD (1580KD) EDP#	5xD (1280KD) EDP#	7xD (1880KD) EDP#	<i>d1</i> Diameter		<i>d2</i> Shank Diameter	<i>l1</i> Overall Length	<i>l2</i> Flute Length	<i>l5</i> Max Drill Depth	<i>l4</i> Shank Length	LIST PRICE
			Decimal	Metric						
	26235		.7342	18.650	20.0	153	101	73	50	448.25
	26245		.7480	19.000	20.0	153	101	73	50	448.25
29505			.7500	3/4"	19.050	20.0	131	79	50	398.00
	26255		.7500	3/4"	19.050	20.0	153	101	72	448.25
29545			.7579	19.250	20.0	131	79	50	50	398.00
29551			.7598	19.300	20.0	131	79	50	50	398.00
29565			.7677	19.500	20.0	131	79	50	50	398.00
	26281		.7795	19.800	20.0	153	101	71	50	448.25
29595			.7815	19.850	20.0	131	79	49	50	398.00
29605			.7874	20.000	20.0	131	79	49	50	398.00

