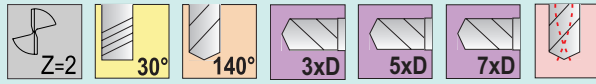


TOLERANCES

<i>d</i>	+.0000" - .0005" (+.0000 - .0127mm)	
<i>l1</i>	≤ 1/8"	+.125" - .062" (+3.175 - 1.588mm)
	> 1/8"	+.125" - .125" (+3.175 - 3.175mm)
<i>l2</i>	≤ 1/8"	+.125" - .062" (+3.175 - 1.588mm)
	> 1/8"	+.125" - .125" (+3.175 - 3.175mm)

Series 1580KH, 1280KH, 1880KH



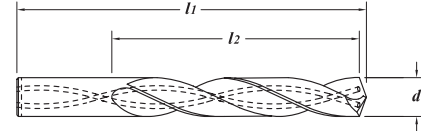
TECH PAGES
300-301

.1181" - .1540"
(3.000mm - 3.912mm)

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

TiAlN-based Coating

- High performance - high penetration solid submicron grain carbide drill
- Coolant through capabilities for high pressure coolant systems
- Extended tool life and greater surface finish through faster SFM rates
- Up to 70% faster than standard carbide drills
- 30° helix for better chip evacuation
- Honed cutting edge
- Live tooling recommended on lathe processes



HIGH PERFORMANCE DRILLS

	3xD (1580KH) EDP#	5xD (1280KH) EDP#	7xD (1880KH) EDP#	<i>d</i> † Diameter		<i>l1</i> Overall Length	<i>l2</i> Flute Length	1-11	12-24	25-49	50-100	
				Decimal	Metric							
NEW	22010			.1181	3.000	46	16	38.63	36.95	35.27	33.59	
NEW		25366		.1181	3.000	50	19	42.72	40.86	39.01	37.15	
NEW			26366	.1181	3.000	65	28	47.68	45.61	43.53	41.46	
NEW	22015			.1200	#31	3.048	1-13/16"	5/8"	39.03	37.33	35.64	33.94
NEW		25371		.1200	#31	3.048	2"	3/4"	43.07	41.20	39.32	37.45
NEW			26371	.1200	#31	3.048	2-1/2"	1-1/8"	48.07	45.98	43.89	41.80
NEW	22020			.1250	1/8"	3.175	1-15/16"	11/16"	39.36	37.65	35.94	34.23
NEW		25376		.1250	1/8"	3.175	2"	3/4"	43.41	41.52	39.64	37.75
NEW			26376	.1250	1/8"	3.175	2-1/2"	1-1/8"	48.45	46.34	44.24	42.13
NEW	22025			.1285	#30	3.264	1-15/16"	11/16"	39.72	37.99	36.27	34.54
NEW		25381		.1285	#30	3.264	2-1/4"	3/4"	43.80	41.90	39.99	38.09
NEW			26381	.1285	#30	3.264	2-1/2"	1-1/8"	48.89	46.76	44.64	42.51
NEW	22030			.1360	#29	3.454	2-1/16"	3/4"	40.10	38.36	36.61	34.87
NEW		25386		.1360	#29	3.454	2-1/4"	7/8"	44.13	42.21	40.29	38.37
NEW			26386	.1360	#29	3.454	3"	1-1/4"	49.24	47.10	44.96	42.82
NEW	22035			.1378	3.500	52	19	40.50	38.74	36.98	35.22	
NEW		25391		.1378	3.500	57	22	44.47	42.54	40.60	38.67	
NEW			26391	.1378	3.500	75	32	49.63	47.47	45.31	43.16	
NEW	22040			.1405	#28	3.569	2-1/16"	3/4"	40.87	39.09	37.32	35.54
NEW		25396		.1405	#28	3.569	2-1/4"	7/8"	44.83	42.88	40.93	38.98
NEW			26396	.1405	#28	3.569	3"	1-1/4"	50.03	47.85	45.68	43.50
NEW	22045			.1406	9/64"	3.571	2-1/16"	3/4"	41.23	39.44	37.64	35.85
NEW		25401		.1406	9/64"	3.571	2-1/4"	7/8"	45.22	43.25	41.29	39.32
NEW			26401	.1406	9/64"	3.571	3"	1-1/4"	50.46	48.27	46.07	43.88
NEW	22050			.1440	#27	3.658	2-1/16"	3/4"	41.60	39.79	37.98	36.17
NEW		25406		.1440	#27	3.658	2-1/4"	7/8"	45.52	43.54	41.56	39.58
NEW			26406	.1440	#27	3.658	3"	1-3/8"	50.80	48.59	46.38	44.17
NEW	22055			.1470	#26	3.734	2-3/16"	13/16"	41.92	40.10	38.27	36.45
NEW		25411		.1470	#26	3.734	2-1/4"	7/8"	45.90	43.90	41.91	39.91
NEW			26411	.1470	#26	3.734	3"	1-3/8"	51.22	48.99	46.77	44.54
NEW	22060			.1495	#25	3.797	2-3/16"	13/16"	42.34	40.50	38.66	36.82
NEW		25416		.1495	#25	3.797	2-1/4"	15/16"	46.25	44.24	42.23	40.22
NEW			26416	.1495	#25	3.797	3"	1-3/8"	51.62	49.38	47.13	44.89
NEW	22065			.1520	#24	3.861	2-3/16"	13/16"	42.69	40.83	38.98	37.12
NEW		25421		.1520	#24	3.861	2-1/4"	15/16"	46.58	44.55	42.53	40.50
NEW			26421	.1520	#24	3.861	3"	1-1/2"	51.98	49.72	47.46	45.20
NEW	22070			.1540	#23	3.912	2-3/16"	13/16"	43.07	41.20	39.32	37.45
NEW		25426		.1540	#23	3.912	2-1/4"	15/16"	46.97	44.93	42.89	40.84
NEW			26426	.1540	#23	3.912	3"	1-1/2"	52.42	50.14	47.86	45.58

continued →

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

.1562" - .1935"
(3.967mm - 4.915mm)

	3xD (1580KH) EDP#	5xD (1280KH) EDP#	7xD (1880KH) EDP#	d^{\dagger} Diameter		l_1 Overall Length	l_2 Flute Length	1-11	12-24	25-49	50-100	
				Decimal	Metric							
NEW	22075			.1562	5/32"	3.967	2-3/16"	13/16"	43.40	41.51	39.63	37.74
NEW		25431		.1562	5/32"	3.967	2-1/2"	15/16"	47.30	45.24	43.19	41.13
NEW			26431	.1562	5/32"	3.967	3"	1-1/2"	52.79	50.49	48.20	45.90
NEW	22080			.1570	#22	3.988	2-3/16"	13/16"	43.80	41.90	39.99	38.09
NEW		25436		.1570	#22	3.988	2-1/2"	15/16"	47.63	45.56	43.49	41.42
NEW			26436	.1570	#22	3.988	3"	1-1/2"	53.16	50.85	48.54	46.23
	22085			.1575		4.000	56	21	44.15	42.23	40.31	38.39
		25441		.1575		4.000	65	24	48.01	45.93	43.84	41.75
			26441	.1575		4.000	75	38	53.57	51.24	48.91	46.58
	22090			.1590	#21	4.039	2-3/16"	13/16"	44.55	42.61	40.68	38.74
		25446		.1590	#21	4.039	2-1/2"	15/16"	48.33	46.23	44.13	42.03
			26446	.1590	#21	4.039	3"	1-1/2"	53.92	51.58	49.23	46.89
	22095			.1610	#20	4.089	2-3/16"	13/16"	44.92	42.97	41.01	39.06
		25451		.1610	#20	4.089	2-1/2"	15/16"	48.70	46.59	44.47	42.35
			26451	.1610	#20	4.089	3"	1-1/2"	54.35	51.99	49.62	47.26
	22100			.1660	#19	4.216	2-9/32"	15/16"	45.31	43.34	41.37	39.40
		25456		.1660	#19	4.216	2-1/2"	1"	49.08	46.95	44.81	42.68
			26456	.1660	#19	4.216	3"	1-1/2"	54.76	52.38	50.00	47.62
	22105			.1695	#18	4.305	2-9/32"	15/16"	45.67	43.68	41.70	39.71
		25461		.1695	#18	4.305	2-1/2"	1"	49.43	47.28	45.13	42.98
			26461	.1695	#18	4.305	3-1/2"	1-3/4"	55.13	52.73	50.34	47.94
	22110			.1719	11/64"	4.366	2-9/32"	15/16"	46.05	44.04	42.04	40.04
		25466		.1719	11/64"	4.366	2-1/2"	1"	49.77	47.61	45.44	43.28
			26466	.1719	11/64"	4.366	3-1/2"	1-3/4"	55.52	53.11	50.69	48.28
	22115			.1730	#17	4.394	2-9/32"	15/16"	46.41	44.40	42.38	40.36
		25471		.1730	#17	4.394	2-1/2"	1"	50.09	47.92	45.74	43.56
			26471	.1730	#17	4.394	3-1/2"	1-3/4"	55.89	53.46	51.03	48.60
	22120			.1770	#16	4.496	2-9/32"	15/16"	46.74	44.70	42.67	40.64
		25476		.1770	#16	4.496	2-1/2"	1"	50.47	48.28	46.08	43.89
			26476	.1770	#16	4.496	3-1/2"	1-3/4"	56.33	53.88	51.43	48.98
	22125			.1772		4.500	58	24	47.15	45.10	43.05	41.00
		25481		.1772		4.500	65	25	50.84	48.63	46.42	44.21
			26481	.1772		4.500	88	45	56.73	54.26	51.80	49.33
	22130			.1800	#15	4.572	2-9/32"	15/16"	47.45	45.39	43.32	41.26
		25486		.1800	#15	4.572	2-3/4"	1"	51.18	48.95	46.73	44.50
			26486	.1800	#15	4.572	3-1/2"	1-3/4"	57.10	54.62	52.13	49.65
	22135			.1820	#14	4.623	2-9/32"	15/16"	47.91	45.83	43.74	41.66
		25491		.1820	#14	4.623	2-3/4"	1"	51.51	49.27	47.03	44.79
			26491	.1820	#14	4.623	3-1/2"	1-3/4"	57.47	54.97	52.47	49.97
	22140			.1850	#13	4.699	2-9/32"	15/16"	48.24	46.15	44.05	41.95
		25496		.1850	#13	4.699	2-3/4"	1-1/4"	51.88	49.62	47.37	45.11
			26496	.1850	#13	4.699	3-1/2"	1-3/4"	57.88	55.36	52.85	50.33
	22145			.1875	3/16"	4.763	2-13/32"	1"	48.63	46.52	44.40	42.29
		25501		.1875	3/16"	4.763	2-3/4"	1-1/4"	52.26	49.98	47.71	45.44
			26501	.1875	3/16"	4.763	4"	2"	58.32	55.78	53.25	50.71
	22150			.1890	#12	4.801	2-13/32"	1"	48.98	46.85	44.72	42.59
		25506		.1890	#12	4.801	2-3/4"	1-1/4"	52.58	50.29	48.01	45.72
			26506	.1890	#12	4.801	4"	2"	58.67	56.12	53.57	51.02
	22155			.1910	#11	4.851	2-13/32"	1"	49.43	47.28	45.13	42.98
		25511		.1910	#11	4.851	2-3/4"	1-1/4"	52.92	50.62	48.32	46.02
			26511	.1910	#11	4.851	4"	2"	59.05	56.49	53.92	51.35
	22160			.1935	#10	4.915	2-13/32"	1"	49.71	47.55	45.39	43.23
		25516		.1935	#10	4.915	2-3/4"	1-1/4"	53.31	51.00	48.68	46.36
			26516	.1935	#10	4.915	4"	2"	59.47	56.88	54.30	51.71

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

.1960" - .2420"
(4.978mm - 6.147mm)

HIGH PERFORMANCE
DRILLS

3xD (1580KH) EDP#	5xD (1280KH) EDP#	7xD (1880KH) EDP#	d^+ Diameter		l_1 Overall Length	l_2 Flute Length	1-11	12-24	25-49	50-100	
			Decimal	Metric							
22165			.1960	#9	4.978	2-13/32"	1"	50.08	47.91	45.73	43.55
	25521		.1960	#9	4.978	3"	1-5/16"	53.62	51.29	48.96	46.63
		26521	.1960	#9	4.978	4"	2"	59.82	57.22	54.62	52.02
22170			.1969		5.000	61	25	50.37	48.18	45.99	43.80
	25526		.1969		5.000	75	33	53.99	51.65	49.30	46.95
		26526	.1969		5.000	100	50	60.24	57.62	55.00	52.38
22175			.1990	#8	5.055	2-13/32"	1"	50.83	48.62	46.41	44.20
	25531		.1990	#8	5.055	3"	1-5/16"	54.27	51.91	49.55	47.19
		26531	.1990	#8	5.055	4"	2"	60.55	57.92	55.28	52.65
22180			.2010	#7	5.105	2-13/32"	1"	50.98	48.76	46.55	44.33
	25536		.2010	#7	5.105	3"	1-5/16"	54.51	52.14	49.77	47.40
		26536	.2010	#7	5.105	4"	2"	60.82	58.18	55.53	52.89
22185			.2031	13/64"	5.159	2-13/32"	1"	51.32	49.09	46.86	44.63
	25541		.2031	13/64"	5.159	3"	1-5/16"	54.90	52.51	50.13	47.74
		26541	.2031	13/64"	5.159	4"	2"	61.27	58.61	55.94	53.28
22190			.2040	#6	5.182	2-13/32"	1"	51.67	49.42	47.18	44.93
	25546		.2040	#6	5.182	3"	1-3/8"	55.32	52.91	50.51	48.10
		26546	.2040	#6	5.182	4"	2"	61.72	59.04	56.35	53.67
22195			.2055	#5	5.220	2-13/32"	1"	52.04	49.78	47.51	45.25
	25551		.2055	#5	5.220	3"	1-3/8"	55.68	53.26	50.84	48.42
		26551	.2055	#5	5.220	4"	2"	62.13	59.43	56.73	54.03
22200			.2090	#4	5.309	2-13/32"	1"	52.37	50.09	47.82	45.54
	25556		.2090	#4	5.309	3"	1-3/8"	56.06	53.63	51.19	48.75
		26556	.2090	#4	5.309	4"	2"	62.55	59.83	57.11	54.39
22205			.2130	#3	5.410	2-5/8"	1-3/32"	52.72	50.42	48.13	45.84
	25561		.2130	#3	5.410	3"	1-3/8"	56.43	53.98	51.52	49.07
		26561	.2130	#3	5.410	4"	2"	62.96	60.23	57.49	54.75
22210			.2165		5.500	67	28	53.05	50.74	48.44	46.13
	25566		.2165		5.500	75	35	56.78	54.31	51.84	49.37
		26566	.2165		5.500	100	50	63.35	60.60	57.84	55.09
22215			.2188	7/32"	5.558	2-5/8"	1-3/32"	53.50	51.17	48.85	46.52
	25571		.2188	7/32"	5.558	3"	1-3/8"	56.90	54.43	51.95	49.48
		26571	.2188	7/32"	5.558	4"	2"	63.72	60.95	58.18	55.41
22220			.2210	#2	5.613	2-5/8"	1-3/32"	53.88	51.54	49.19	46.85
	25576		.2210	#2	5.613	3"	1-3/8"	57.87	55.35	52.84	50.32
		26576	.2210	#2	5.613	4"	2"	64.73	61.92	59.10	56.29
22225			.2280	#1	5.791	2-5/8"	1-3/32"	54.28	51.92	49.56	47.20
	25581		.2280	#1	5.791	3"	1-3/8"	58.08	55.55	53.03	50.50
		26581	.2280	#1	5.791	4-1/8"	2-1/8"	74.16	70.94	67.71	64.49
22230			.2340	A	5.944	2-5/8"	1-3/32"	54.66	52.28	49.91	47.53
	25586		.2340	A	5.944	3-1/4"	1-1/2"	65.18	62.35	59.51	56.68
		26586	.2340	A	5.944	4-1/8"	2-1/8"	78.30	74.90	71.49	68.09
22235			.2344	15/64"	5.954	2-5/8"	1-3/32"	55.07	52.68	50.28	47.89
	25591		.2344	15/64"	5.954	3-1/4"	1-1/2"	65.30	62.46	59.62	56.78
		26591	.2344	15/64"	5.954	4-1/8"	2-1/8"	78.42	75.01	71.60	68.19
22240			.2362		6.000	67	28	55.46	53.05	50.64	48.23
	25596		.2362		6.000	80	38	65.47	62.62	59.78	56.93
		26596	.2362		6.000	105	55	78.59	75.17	71.76	68.34
22245			.2380	B	6.045	2-3/4"	1-7/32"	58.58	56.03	53.49	50.94
	25601		.2380	B	6.045	3-1/4"	1-5/8"	67.54	64.60	61.67	58.73
		26601	.2380	B	6.045	4-1/8"	2-1/8"	81.56	78.01	74.47	70.92
22250			.2420	C	6.147	2-3/4"	1-7/32"	59.06	56.50	53.93	51.36
	25606		.2420	C	6.147	3-1/4"	1-5/8"	67.86	64.91	61.96	59.01
		26606	.2420	C	6.147	4-1/4"	2-1/4"	81.88	78.32	74.76	71.20

continued →

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

.2460" - .3125"
(6.248mm - 7.938mm)

3xD (1580KH) EDP#	5xD (1280KH) EDP#	7xD (1880KH) EDP#	d^{\dagger} Diameter		l_1 Overall Length	l_2 Flute Length	1-11	12-24	25-49	50-100	
			Decimal	Metric							
22255			.2460	D	6.248	2-3/4"	1-7/32"	59.40	56.82	54.23	51.65
	25611		.2460	D	6.248	3-1/4"	1-5/8"	68.16	65.20	62.23	59.27
		26611	.2460	D	6.248	4-1/4"	2-1/4"	82.19	78.62	75.04	71.47
22260			.2500	1/4" / E	6.350	2-3/4"	1-7/32"	59.89	57.29	54.68	52.08
	25616		.2500	1/4" / E	6.350	3-1/4"	1-5/8"	68.45	65.47	62.50	59.52
		26616	.2500	1/4" / E	6.350	4-1/4"	2-1/4"	82.48	78.89	75.31	71.72
22265			.2559		6.500	70	31	60.87	58.22	55.58	52.93
	25621		.2559		6.500	80	41	69.30	66.29	63.27	60.26
		26621	.2559		6.500	105	58	83.35	79.73	76.10	72.48
22270			.2570	F	6.528	2-3/4"	1-7/32"	61.80	59.11	56.43	53.74
	25626		.2570	F	6.528	3-1/4"	1-11/16"	70.90	67.82	64.73	61.65
		26626	.2570	F	6.528	4-3/8"	2-3/8"	86.55	82.79	79.02	75.26
22275			.2610	G	6.629	2-3/4"	1-7/32"	62.74	60.02	57.29	54.56
	25631		.2610	G	6.629	3-1/2"	1-11/16"	71.77	68.65	65.53	62.41
		26631	.2610	G	6.629	4-3/8"	2-3/8"	87.45	83.64	79.84	76.04
22280			.2656	17/64"	6.746	2-15/16"	1-11/32"	63.71	60.94	58.17	55.40
	25636		.2656	17/64"	6.746	3-1/2"	1-11/16"	72.60	69.44	66.29	63.13
		26636	.2656	17/64"	6.746	4-3/8"	2-3/8"	88.29	84.45	80.61	76.77
22285			.2660	H	6.756	2-15/16"	1-11/32"	64.65	61.84	59.03	56.22
	25641		.2660	H	6.756	3-1/2"	1-11/16"	73.47	70.28	67.08	63.89
		26641	.2660	H	6.756	4-3/8"	2-3/8"	89.21	85.33	81.45	77.57
22290			.2720	I	6.909	2-15/16"	1-11/32"	65.60	62.74	59.89	57.04
	25646		.2720	I	6.909	3-1/2"	1-11/16"	73.55	70.36	67.16	63.96
		26646	.2720	I	6.909	4-3/8"	2-3/8"	89.30	85.42	81.53	77.65
22295			.2756		7.000	75	34	66.55	63.66	60.76	57.87
	25651		.2756		7.000	88	43	74.39	71.16	67.92	64.69
		26651	.2756		7.000	110	61	90.15	86.23	82.31	78.39
22300			.2770	J	7.036	2-15/16"	1-11/32"	67.47	64.54	61.60	58.67
	25656		.2770	J	7.036	3-1/2"	1-11/16"	78.15	74.76	71.36	67.96
		26656	.2770	J	7.036	4-3/8"	2-3/8"	94.70	90.59	86.47	82.35
22305			.2810	K	7.137	2-15/16"	1-11/32"	68.47	65.49	62.52	59.54
	25661		.2810	K	7.137	3-1/2"	1-3/4"	79.02	75.58	72.15	68.71
		26661	.2810	K	7.137	4-7/16"	2-7/16"	95.60	91.44	87.29	83.13
22310			.2812	9/32"	7.142	2-15/16"	1-11/32"	69.41	66.40	63.38	60.36
	25666		.2812	9/32"	7.142	3-1/2"	1-3/4"	79.88	76.41	72.93	69.46
		26666	.2812	9/32"	7.142	4-7/16"	2-7/16"	96.49	92.29	88.10	83.90
22315			.2900	L	7.366	2-15/16"	1-11/32"	70.35	67.29	64.23	61.17
	25671		.2900	L	7.366	3-1/2"	1-3/4"	80.24	76.75	73.26	69.77
		26671	.2900	L	7.366	4-7/16"	2-7/16"	96.85	92.64	88.43	84.22
22320			.2950	M	7.493	2-15/16"	1-11/32"	71.70	68.59	65.47	62.35
	25676		.2950	M	7.493	3-3/4"	1-3/4"	80.71	77.20	73.69	70.18
		26676	.2950	M	7.493	4-7/16"	2-7/16"	97.34	93.10	88.87	84.64
22325			.2953		7.500	75	34	71.70	68.59	65.47	62.35
	25681		.2953		7.500	95	44	80.71	77.20	73.69	70.18
		26681	.2953		7.500	115	66	97.34	93.10	88.87	84.64
22330			.2969	19/64"	7.541	3-3/32"	1-15/32"	72.32	69.18	66.03	62.89
	25686		.2969	19/64"	7.541	3-3/4"	1-7/8"	86.22	82.47	78.72	74.97
		26686	.2969	19/64"	7.541	4-9/16"	2-9/16"	105.08	100.51	95.94	91.37
22335			.3020	N	7.671	3-3/32"	1-15/32"	75.59	72.30	69.02	65.73
	25691		.3020	N	7.671	3-3/4"	1-7/8"	88.16	84.33	80.49	76.66
		26691	.3020	N	7.671	4-9/16"	2-9/16"	107.11	102.45	97.80	93.14
22340			.3125	5/16"	7.938	3-3/32"	1-15/32"	75.85	72.56	69.26	65.96
	25696		.3125	5/16"	7.938	3-3/4"	1-7/8"	88.35	84.51	80.67	76.83
		26696	.3125	5/16"	7.938	4-11/16"	2-9/16"	107.30	102.63	97.97	93.30

TOLERANCES

d	+.0000" - .0005" (+.0000 - .0127mm)	
l1	≤ 1/8"	+.125" - .062" (+3.175 - 1.588mm)
	> 1/8"	+.125" - .125" (+3.175 - 3.175mm)
l2	≤ 1/8"	+.125" - .062" (+3.175 - 1.588mm)
	> 1/8"	+.125" - .125" (+3.175 - 3.175mm)



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

.3150" - .3750"
(8.000mm - 9.525mm)

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

TiAlN-based Coating

High performance - high penetration solid submicron grain carbide drill



HIGH PERFORMANCE DRILLS

3xD (1580KH) EDP#	5xD (1280KH) EDP#	7xD (1880KH) EDP#	d † Diameter		l1 Overall Length	l2 Flute Length	1-11	12-24	25-49	50-100	
			Decimal	Metric							
22345	25701	26701	.3150	8.000	79	37	77.28	73.92	70.56	67.20	
			.3150	8.000	95	48	92.08	88.08	84.07	80.07	
			.3150	8.000	120	69	111.15	106.32	101.48	96.65	
22350	25706	26706	.3160	O 8.026	3-3/32"	1-15/32"	77.28	73.92	70.56	67.20	
			.3160	O 8.026	3-3/4"	1-7/8"	92.92	88.88	84.84	80.80	
			.3160	O 8.026	4-11/16"	2-11/16"	113.02	108.11	103.19	98.28	
22355	25711	26711	.3230	P 8.204	3-3/32"	1-15/32"	77.84	74.46	71.07	67.69	
			.3230	P 8.204	3-3/4"	2-3/32"	93.16	89.11	85.06	81.01	
			.3230	P 8.204	4-11/16"	2-11/16"	113.26	108.34	103.41	98.49	
22360	25716	26716	.3281	21/64"	8.334	3-3/32"	1-15/32"	79.29	75.85	72.40	68.95
			.3281	21/64"	8.334	4"	2-3/32"	93.77	89.69	85.62	81.54
			.3281	21/64"	8.334	4-11/16"	2-11/16"	113.90	108.94	103.99	99.04
22365	25721	26721	.3320	Q 8.433	3-3/32"	1-15/32"	80.71	77.20	73.69	70.18	
			.3320	Q 8.433	4"	2-3/32"	94.31	90.21	86.11	82.01	
			.3320	Q 8.433	4-15/16"	2-15/16"	114.46	109.48	104.51	99.53	
22370	25726	26726	.3346	8.500	79	37	81.04	77.52	73.99	70.47	
			.3346	8.500	100	53	94.81	90.68	86.56	82.44	
			.3346	8.500	125	75	114.95	109.96	104.96	99.96	
22375	25731	26731	.3390	R 8.611	3-5/16"	1-9/16"	83.21	79.60	75.98	72.36	
			.3390	R 8.611	4"	2-3/32"	97.90	93.64	89.39	85.13	
			.3390	R 8.611	4-15/16"	2-15/16"	120.39	115.16	109.92	104.69	
22380	25736	26736	.3438	11/32"	8.733	3-5/16"	1-9/16"	85.04	81.35	77.65	73.95
			.3438	11/32"	8.733	4"	2-3/16"	100.33	95.96	91.60	87.24
			.3438	11/32"	8.733	4-15/16"	2-15/16"	122.95	117.60	112.26	106.91
22385	25741	26741	.3480	S 8.839	3-5/16"	1-9/16"	87.86	84.04	80.22	76.40	
			.3480	S 8.839	4"	2-3/16"	102.59	98.13	93.67	89.21	
			.3480	S 8.839	5"	3"	125.28	119.83	114.39	108.94	
22390	25746	26746	.3543	9.000	84	40	90.10	86.19	82.27	78.35	
			.3543	9.000	100	56	103.02	98.54	94.06	89.58	
			.3543	9.000	125	77	125.75	120.29	114.82	109.35	
22395	25751	26751	.3580	T 9.093	3-5/16"	1-9/16"	93.64	89.57	85.50	81.43	
			.3580	T 9.093	4-1/4"	2-9/32"	104.97	100.41	95.84	91.28	
			.3580	T 9.093	5"	3"	132.18	126.43	120.69	114.94	
22400	25756	26756	.3594	23/64"	9.129	3-5/16"	1-9/16"	94.21	90.11	86.02	81.92
			.3594	23/64"	9.129	4-1/4"	2-9/32"	105.36	100.78	96.20	91.62
			.3594	23/64"	9.129	5"	3"	132.65	126.89	121.12	115.35
22405	25761	26761	.3680	U 9.347	3-5/16"	1-9/16"	95.63	91.48	87.32	83.16	
			.3680	U 9.347	4-1/4"	2-9/32"	111.68	106.82	101.97	97.11	
			.3680	U 9.347	5"	3"	140.35	134.24	128.14	122.04	
22410	25766	26766	.3740	9.500	84	40	96.40	92.21	88.02	83.83	
			.3740	9.500	105	58	112.23	107.35	102.47	97.59	
			.3740	9.500	130	80	141.22	135.08	128.94	122.80	
22415	25771	26771	.3750	3/8"	9.525	3-1/2"	1-11/16"	96.99	92.77	88.56	84.34
			.3750	3/8"	9.525	4-1/4"	2-3/8"	115.01	110.01	105.01	100.01
			.3750	3/8"	9.525	5-1/8"	3-1/8"	144.96	138.66	132.35	126.05

continued →

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

.3770" - .4921"
(9.576mm - 12.500mm)

3xD (1580KH) EDP#	5xD (1280KH) EDP#	7xD (1880KH) EDP#	d^{\dagger} Diameter		l_1 Overall Length	l_2 Flute Length	1-11	12-24	25-49	50-100	
			Decimal	Metric							
22420			.3770	V	9.576	3-1/2"	1-11/16"	100.72	96.34	91.96	87.58
	25776		.3770	V	9.576	4-1/4"	2-3/8"	115.39	110.37	105.36	100.34
		26776	.3770	V	9.576	5-1/8"	3-1/8"	147.23	140.83	134.43	128.03
22425			.3860	W	9.804	3-1/2"	1-11/16"	102.48	98.02	93.57	89.11
	25781		.3860	W	9.804	4-1/2"	2-3/8"	116.66	111.58	106.51	101.44
		26781	.3860	W	9.804	5-1/8"	3-1/8"	147.74	141.32	134.89	128.47
22430			.3906	25/64"	9.921	3-1/2"	1-11/16"	103.76	99.25	94.74	90.23
	25786		.3906	25/64"	9.921	4-1/2"	2-3/8"	117.53	112.42	107.31	102.20
		26786	.3906	25/64"	9.921	5-1/4"	3-1/4"	148.64	142.18	135.71	129.25
22435			.3937		10.000	89	43	104.13	99.61	95.08	90.55
	25791		.3937		10.000	115	60	118.60	113.44	108.29	103.13
		26791	.3937		10.000	135	83	151.56	144.97	138.38	131.79
22440			.3970	X	10.084	3-1/2"	1-11/16"	105.04	100.47	95.91	91.34
	25796		.3970	X	10.084	4-1/2"	2-1/2"	122.64	117.30	111.97	106.64
		26796	.3970	X	10.084	5-1/4"	3-1/4"	154.94	148.20	141.47	134.73
22445			.4040	Y	10.262	3-1/2"	1-11/16"	105.77	101.17	96.57	91.97
	25801		.4040	Y	10.262	4-1/2"	2-9/16"	123.18	117.82	112.47	107.11
		26801	.4040	Y	10.262	5-3/8"	3-3/8"	158.01	151.14	144.27	137.40
22450			.4062	13/32"	10.317	3-1/2"	1-11/16"	109.01	104.27	99.53	94.79
	25806		.4062	13/32"	10.317	4-1/2"	2-9/16"	125.55	120.09	114.63	109.17
		26806	.4062	13/32"	10.317	5-3/8"	3-3/8"	158.91	152.00	145.09	138.18
22455			.4130	Z	10.490	3-1/2"	1-11/16"	110.02	105.24	100.45	95.67
	25811		.4130	Z	10.490	4-1/2"	2-5/8"	127.52	121.98	116.43	110.89
		26811	.4130	Z	10.490	5-3/8"	3-3/8"	161.54	154.52	147.49	140.47
22460			.4134		10.500	89	43	110.02	105.24	100.45	95.67
	25816		.4134		10.500	115	67	127.52	121.98	116.43	110.89
		26816	.4134		10.500	135	86	161.54	154.52	147.49	140.47
22465			.4219	27/64"	10.716	3-3/4"	1-13/16"	111.04	106.22	101.39	96.56
	25821		.4219	27/64"	10.716	4-1/2"	2-11/16"	129.33	123.71	118.08	112.46
		26821	.4219	27/64"	10.716	5-7/16"	3-7/16"	163.55	156.44	149.33	142.22
22470			.4331		11.000	95	46	119.20	114.02	108.83	103.65
	25826		.4331		11.000	115	68	133.98	128.15	122.33	116.50
		26826	.4331		11.000	135	88	169.88	162.49	155.11	147.72
22475			.4375	7/16"	11.113	3-3/4"	1-13/16"	119.20	114.02	108.83	103.65
	25831		.4375	7/16"	11.113	4-3/4"	2-13/16"	136.69	130.75	124.80	118.86
		26831	.4375	7/16"	11.113	5-7/16"	3-7/16"	173.51	165.97	158.42	150.88
22480			.4528		11.500	95	46	127.96	122.40	116.83	111.27
	25836		.4528		11.500	120	71	141.57	135.41	129.26	123.10
		26836	.4528		11.500	140	91	179.68	171.86	164.05	156.24
22485			.4531	29/64"	11.509	3-3/4"	1-13/16"	127.96	122.40	116.83	111.27
	25841		.4531	29/64"	11.509	4-3/4"	2-7/8"	146.41	140.04	133.68	127.31
		26841	.4531	29/64"	11.509	5-9/16"	3-13/16"	185.29	177.23	169.18	161.12
22490			.4688	15/32"	11.908	4"	1-15/16"	134.44	128.59	122.75	116.90
	25846		.4688	15/32"	11.908	4-3/4"	2-7/8"	149.75	143.24	136.73	130.22
		26846	.4688	15/32"	11.908	5-9/16"	3-13/16"	189.92	181.67	173.41	165.15
22495			.4724		12.000	102	49	134.85	128.99	123.12	117.26
	25851		.4724		12.000	120	73	152.97	146.32	139.67	133.02
		26851	.4724		12.000	140	98	194.81	186.34	177.87	169.40
22500			.4844	31/64"	12.304	4"	1-15/16"	143.08	136.86	130.64	124.42
	25856		.4844	31/64"	12.304	5-5/16"	3"	159.60	152.66	145.72	138.78
		26856	.4844	31/64"	12.304	5-9/16"	3-13/16"	199.87	191.18	182.49	173.80
22505			.4921		12.500	102	49	150.81	144.25	137.70	131.14
	25861		.4921		12.500	135	76	171.30	163.86	156.41	148.96
		26861	.4921		12.500	150	102	200.97	192.24	183.50	174.76

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

.5000" - .6299"
(12.700mm - 16.000mm)

HIGH PERFORMANCE
DRILLS

3xD (1580KH) EDP#	5xD (1280KH) EDP#	7xD (1880KH) EDP#	d^+ Diameter		l_1 Overall Length	l_2 Flute Length	1-11	12-24	25-49	50-100	
			Decimal	Metric							
22510			.5000	1/2"	12.700	4"	1-15/16"	151.77	145.17	138.57	131.97
	25866		.5000	1/2"	12.700	5-3/8"	3-1/16"	172.93	165.41	157.89	150.37
		26866	.5000	1/2"	12.700	6"	4"	201.70	192.93	184.16	175.39
22515			.5118		13.000	107	53	168.46	161.14	153.81	146.49
	25871		.5118		13.000	135	78	196.11	187.58	179.06	170.53
		26871	.5118		13.000	150	102	211.16	201.98	192.80	183.62
22520			.5156	33/64"	13.096	4-7/32"	2-3/32"	172.44	164.95	157.45	149.95
	25876		.5156	33/64"	13.096	5-3/8"	3-1/8"	204.40	195.51	186.63	177.74
		26876	.5156	33/64"	13.096	6"	4"	220.04	210.47	200.91	191.34
22525			.5312	17/32"	13.492	4-7/32"	2-3/32"	176.40	168.73	161.06	153.39
	25881		.5312	17/32"	13.492	5-11/16"	3-5/16"	207.70	198.67	189.64	180.61
		26881	.5312	17/32"	13.492	6-1/8"	4-1/8"	223.62	213.90	204.17	194.45
22530			.5315		13.500	110	56	180.39	172.55	164.70	156.86
	25886		.5315		13.500	145	84	210.91	201.74	192.57	183.40
		26886	.5315		13.500	155	105	227.08	217.21	207.33	197.46
22535			.5469	35/64"	13.891	4-5/16"	2-7/32"	184.33	176.32	168.30	160.29
	25891		.5469	35/64"	13.891	5-13/16"	3-3/8"	222.47	212.80	203.12	193.45
		26891	.5469	35/64"	13.891	6-1/8"	4-1/8"	234.17	223.99	213.81	203.63
22540			.5512		14.000	110	56	188.32	180.14	171.95	163.76
	25896		.5512		14.000	145	86	225.73	215.92	206.10	196.29
		26896	.5512		14.000	155	105	237.62	227.29	216.96	206.63
22545			.5625	9/16"	14.288	4-9/16"	2-15/32"	208.50	199.43	190.37	181.30
	25901		.5625	9/16"	14.288	5-15/16"	3-1/2"	243.19	232.62	222.04	211.47
		26901	.5625	9/16"	14.288	6-1/4"	4-3/8"	256.55	245.40	234.24	223.09
22550			.5709		14.500	116	63	212.43	203.19	193.96	184.72
	25906		.5709		14.500	150	89	245.11	234.45	223.80	213.14
		26906	.5709		14.500	160	109	258.59	247.35	236.10	224.86
22555			.5781	37/64"	14.684	4-15/16"	2-9/16"	216.22	206.82	197.42	188.02
	25911		.5781	37/64"	14.684	6"	3-1/2"	245.78	235.09	224.41	213.72
		26911	.5781	37/64"	14.684	6-1/4"	4-3/8"	259.28	248.01	236.73	225.46
22560			.5906		15.000	125	65	220.20	210.63	201.05	191.48
	25916		.5906		15.000	150	90	248.98	238.15	227.33	216.50
		26916	.5906		15.000	160	112	262.65	251.23	239.81	228.39
22565			.5938	19/32"	15.083	4-15/16"	2-9/16"	221.40	211.77	202.15	192.52
	25921		.5938	19/32"	15.083	6"	3-9/16"	255.46	244.35	233.25	222.14
		26921	.5938	19/32"	15.083	6-3/8"	4-3/8"	269.47	257.75	246.04	234.32
22570			.6094	39/64"	15.479	5-1/16"	2-13/16"	222.50	212.83	203.15	193.48
	25926		.6094	39/64"	15.479	6-3/16"	3-11/16"	287.50	275.00	262.50	250.00
		26926	.6094	39/64"	15.479	6-7/16"	4-7/16"	303.24	290.06	276.87	263.69
22575			.6102		15.500	129	71	223.66	213.94	204.21	194.49
	25931		.6102		15.500	160	94	288.29	275.76	263.22	250.69
		26931	.6102		15.500	165	113	304.09	290.87	277.65	264.43
22580			.6250	5/8"	15.875	5-1/4"	3-1/8"	224.77	215.00	205.22	195.45
	25936		.6250	5/8"	15.875	6-5/16"	3-3/4"	296.24	283.36	270.48	257.60
		26936	.6250	5/8"	15.875	6-9/16"	4-9/16"	312.51	298.93	285.34	271.75
22585			.6299		16.000	133	79	230.21	220.20	210.19	200.18
	25941		.6299		16.000	160	95	300.13	287.08	274.03	260.98
		26941	.6299		16.000	165	117	316.61	302.84	289.08	275.31