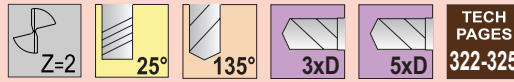


TOLERANCES

<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)

NEW ITEMS

Series 1520H, 1205H

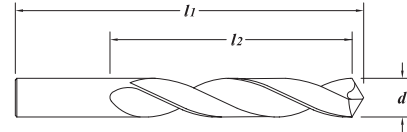
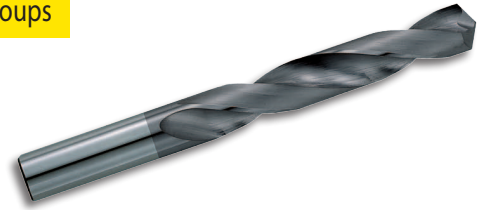


.0625" - .1015"
(1.588mm - 2.578mm)

General purpose for all material groups

Hardlube Coating

- Solid submicron grain carbide drill
- Excellent heat resistance and lubricity
- No spotting required in most applications
- 4-facet self-centering point
- Live tooling recommended on lathe processes
- Uncoated - page 67



GENERAL PURPOSE DRILLS

3xD (1520H) EDP#	5xD (1205H) 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							
77166		.0625	1/16"	1.588	1-3/4"	5/8"	9.51	9.10	8.68	8.27
	89166	.0625	1/16"	1.588	1-3/4"	3/4"	9.51	9.10	8.68	8.27
77171		.0635	#52	1.613	1-3/4"	11/16"	9.63	9.21	8.79	8.37
	89171	.0635	#52	1.613	1-3/4"	3/4"	9.63	9.21	8.79	8.37
77176		.0670	#51	1.702	1-3/4"	11/16"	9.75	9.33	8.90	8.48
	89176	.0670	#51	1.702	1-3/4"	3/4"	9.75	9.33	8.90	8.48
77181		.0700	#50	1.778	1-3/4"	11/16"	9.90	9.47	9.04	8.61
	89181	.0700	#50	1.778	1-3/4"	7/8"	9.90	9.47	9.04	8.61
77186		.0730	#49	1.854	1-3/4"	11/16"	10.12	9.68	9.24	8.80
	89186	.0730	#49	1.854	1-3/4"	7/8"	10.13	9.69	9.25	8.81
77191		.0760	#48	1.930	1-3/4"	11/16"	10.38	9.93	9.48	9.03
	89191	.0760	#48	1.930	1-3/4"	7/8"	10.38	9.93	9.48	9.03
77196		.0781	5/64"	1.984	1-3/4"	11/16"	10.70	10.23	9.77	9.30
	89196	.0781	5/64"	1.984	1-3/4"	7/8"	10.72	10.25	9.79	9.32
77201		.0785	#47	1.994	1-3/4"	3/4"	10.98	10.51	10.03	9.55
	89201	.0785	#47	1.994	1-3/4"	7/8"	11.01	10.53	10.05	9.57
77206		.0787		2.000	44	19	11.13	10.65	10.16	9.68
	89206	.0787		2.000	44	22	11.13	10.65	10.16	9.68
77211		.0810	#46	2.057	1-3/4"	3/4"	11.27	10.78	10.29	9.80
	89211	.0810	#46	2.057	1-3/4"	7/8"	11.28	10.79	10.30	9.81
77216		.0820	#45	2.083	1-3/4"	3/4"	11.55	11.04	10.54	10.04
	89216	.0820	#45	2.083	1-3/4"	7/8"	11.56	11.06	10.55	10.05
77221		.0860	#44	2.184	1-3/4"	3/4"	11.86	11.34	10.83	10.31
	89221	.0860	#44	2.184	2"	1"	11.87	11.35	10.84	10.32
77226		.0890	#43	2.261	1-3/4"	3/4"	12.12	11.59	11.07	10.54
	89226	.0890	#43	2.261	2"	1"	12.13	11.61	11.08	10.55
77231		.0935	#42	2.375	1-3/4"	3/4"	12.28	11.75	11.21	10.68
	89231	.0935	#42	2.375	2"	1"	12.28	11.75	11.21	10.68
77236		.0938	3/32"	2.383	1-3/4"	3/4"	12.51	11.97	11.42	10.88
	89236	.0938	3/32"	2.383	2"	1"	12.51	11.97	11.42	10.88
77241		.0960	#41	2.438	1-13/16"	13/16"	12.59	12.05	11.50	10.95
	89241	.0960	#41	2.438	2"	1"	12.62	12.07	11.52	10.97
77246		.0980	#40	2.489	1-13/16"	13/16"	12.75	12.20	11.64	11.09
	89246	.0980	#40	2.489	2"	1"	12.78	12.22	11.67	11.11
77251		.0984		2.500	46	21	12.80	12.24	11.69	11.13
	89251	.0984		2.500	57	32	12.80	12.24	11.69	11.13
77256		.0995	#39	2.527	1-13/16"	13/16"	12.86	12.30	11.74	11.18
	89256	.0995	#39	2.527	2-1/4"	1-1/4"	12.86	12.30	11.74	11.18
77261		.1015	#38	2.578	1-13/16"	13/16"	12.97	12.41	11.84	11.28
	89261	.1015	#38	2.578	2-1/4"	1-1/4"	13.02	12.45	11.89	11.32

Series 1520H, 1205H (continued)

.1040" - .1719"
(2.642mm - 4.366mm)

3xD (1520H) EDP#	5xD (1205H) EDP#	d^{\dagger} Diameter		l_1 Overall Length	l_2 Flute Length	1-11	12-24	25-49	50-100	
		Decimal	Metric							
77266		.1040	#37	2.642	1-13/16"	13/16"	13.03	12.46	11.90	11.33
	89266	.1040	#37	2.642	2-1/4"	1-1/4"	13.12	12.55	11.98	11.41
77271		.1065	#36	2.705	1-13/16"	13/16"	13.11	12.54	11.97	11.40
	89271	.1065	#36	2.705	2-1/4"	1-1/4"	13.27	12.69	12.12	11.54
77276		.1094	7/64"	2.779	1-13/16"	13/16"	13.17	12.60	12.02	11.45
	89276	.1094	7/64"	2.779	2-1/4"	1-1/4"	13.48	12.89	12.31	11.72
77281		.1100	#35	2.794	1-7/8"	7/8"	13.25	12.67	12.10	11.52
	89281	.1100	#35	2.794	2-1/4"	1-1/4"	13.58	12.99	12.40	11.81
77286		.1110	#34	2.819	1-7/8"	7/8"	13.39	12.80	12.22	11.64
	89286	.1110	#34	2.819	2-1/4"	1-1/4"	13.73	13.13	12.54	11.94
77291		.1130	#33	2.870	1-7/8"	7/8"	13.47	12.88	12.30	11.71
	89291	.1130	#33	2.870	2-1/4"	1-1/4"	13.95	13.34	12.74	12.13
77296		.1160	#32	2.946	1-7/8"	7/8"	13.55	12.96	12.37	11.78
	89296	.1160	#32	2.946	2-1/4"	1-1/4"	14.05	13.44	12.83	12.22
77301		.1181		3.000	48	22	13.66	13.07	12.47	11.88
	89301	.1181		3.000	57	32	14.17	13.55	12.94	12.32
77306		.1200	#31	3.048	1-7/8"	7/8"	13.75	13.16	12.56	11.96
	89306	.1200	#31	3.048	2-1/4"	1-1/4"	14.28	13.66	13.04	12.42
77311		.1250	1/8"	3.175	1-7/8"	7/8"	13.88	13.28	12.67	12.07
	89311	.1250	1/8"	3.175	2-1/4"	1-1/4"	14.40	13.77	13.15	12.52
77316		.1285	#30	3.264	1-15/16"	15/16"	14.19	13.57	12.96	12.34
	89316	.1285	#30	3.264	2-1/4"	1-1/4"	14.73	14.09	13.45	12.81
77321		.1360	#29	3.454	1-15/16"	15/16"	14.52	13.89	13.26	12.63
	89321	.1360	#29	3.454	2-1/2"	1-3/8"	15.12	14.47	13.81	13.15
77326		.1378		3.500	49	24	14.93	14.28	13.63	12.98
	89326	.1378		3.500	63	35	15.54	14.86	14.19	13.51
77331		.1405	#28	3.569	1-15/16"	15/16"	15.08	14.42	13.77	13.11
	89331	.1405	#28	3.569	2-1/2"	1-3/8"	15.71	15.03	14.34	13.66
77336		.1406	9/64"	3.571	1-15/16"	15/16"	15.23	14.56	13.90	13.24
	89336	.1406	9/64"	3.571	2-1/2"	1-3/8"	15.85	15.16	14.47	13.78
77341		.1440	#27	3.658	2-1/16"	1"	16.38	15.66	14.95	14.24
	89341	.1440	#27	3.658	2-1/2"	1-3/8"	16.39	15.68	14.96	14.25
77346		.1470	#26	3.734	2-1/16"	1"	16.54	15.82	15.10	14.38
	89346	.1470	#26	3.734	2-1/2"	1-3/8"	16.54	15.82	15.10	14.38
77351		.1495	#25	3.797	2-1/16"	1"	16.69	15.96	15.24	14.51
	89351	.1495	#25	3.797	2-1/2"	1-3/8"	16.69	15.96	15.24	14.51
77356		.1520	#24	3.861	2-1/16"	1"	16.74	16.02	15.29	14.56
	89356	.1520	#24	3.861	2-1/2"	1-3/8"	16.77	16.04	15.31	14.58
77361		.1540	#23	3.912	2-1/16"	1"	16.84	16.10	15.37	14.64
	89361	.1540	#23	3.912	2-1/2"	1-3/8"	16.85	16.12	15.38	14.65
77366		.1562	5/32"	3.967	2-1/16"	1"	16.93	16.19	15.46	14.72
	89366	.1562	5/32"	3.967	2-1/2"	1-3/8"	16.93	16.19	15.46	14.72
77371		.1570	#22	3.988	2-1/8"	1-1/16"	17.87	17.09	16.32	15.54
	89371	.1570	#22	3.988	2-1/2"	1-3/8"	17.87	17.09	16.32	15.54
77376		.1575		4.000	54	27	18.06	17.27	16.49	15.70
	89376	.1575		4.000	63	35	18.07	17.28	16.50	15.71
77381		.1590	#21	4.039	2-1/8"	1-1/16"	18.27	17.48	16.68	15.89
	89381	.1590	#21	4.039	2-1/2"	1-3/8"	18.27	17.48	16.68	15.89
77386		.1610	#20	4.089	2-1/8"	1-1/16"	18.38	17.58	16.78	15.98
	89386	.1610	#20	4.089	2-1/2"	1-3/8"	18.38	17.58	16.78	15.98
77391		.1660	#19	4.216	2-1/8"	1-1/16"	19.04	18.22	17.39	16.56
	89391	.1660	#19	4.216	2-3/4"	1-5/8"	19.06	18.23	17.40	16.57
77396		.1695	#18	4.305	2-1/8"	1-1/16"	19.24	18.40	17.57	16.73
	89396	.1695	#18	4.305	2-3/4"	1-5/8"	19.24	18.40	17.57	16.73
77401		.1719	11/64"	4.366	2-1/8"	1-1/16"	19.57	18.72	17.87	17.02
	89401	.1719	11/64"	4.366	2-3/4"	1-5/8"	19.57	18.72	17.87	17.02

3xD (1520H) EDP#	5xD (1205H) EDP#	d^+ Diameter		l_1 Overall Length	l_2 Flute Length	1-11	12-24	25-49	50-100	
		Decimal	Metric							
77406		.1730	#17	4.394	2-3/16"	1-1/8"	19.84	18.98	18.11	17.25
	89406	.1730	#17	4.394	2-3/4"	1-5/8"	19.86	19.00	18.13	17.27
77411		.1770	#16	4.496	2-3/16"	1-1/8"	20.03	19.16	18.29	17.42
	89411	.1770	#16	4.496	2-3/4"	1-5/8"	20.03	19.16	18.29	17.42
77416		.1772		4.500	56	29	20.13	19.25	18.38	17.50
	89416	.1772		4.500	70	41	20.14	19.26	18.39	17.51
77421		.1800	#15	4.572	2-3/16"	1-1/8"	20.23	19.35	18.47	17.59
	89421	.1800	#15	4.572	2-3/4"	1-5/8"	20.23	19.35	18.47	17.59
77426		.1820	#14	4.623	2-3/16"	1-1/8"	20.62	19.72	18.83	17.93
	89426	.1820	#14	4.623	2-3/4"	1-5/8"	20.62	19.72	18.83	17.93
77431		.1850	#13	4.700	2-3/16"	1-1/8"	20.76	19.86	18.95	18.05
	89431	.1850	#13	4.700	2-3/4"	1-5/8"	20.77	19.87	18.96	18.06
77436		.1875	3/16"	4.763	2-3/16"	1-1/8"	20.83	19.92	19.02	18.11
	89436	.1875	3/16"	4.763	2-3/4"	1-5/8"	20.86	19.95	19.05	18.14
77441		.1890	#12	4.801	2-1/4"	1-3/16"	22.99	21.99	20.99	19.99
	89441	.1890	#12	4.801	2-3/4"	1-5/8"	22.99	21.99	20.99	19.99
77446		.1910	#11	4.851	2-1/4"	1-3/16"	23.20	22.19	21.18	20.17
	89446	.1910	#11	4.851	2-3/4"	1-5/8"	23.20	22.19	21.18	20.17
77451		.1935	#10	4.915	2-1/4"	1-3/16"	24.10	23.06	22.01	20.96
	89451	.1935	#10	4.915	2-3/4"	1-5/8"	24.10	23.06	22.01	20.96
77456		.1960	#9	4.978	2-1/4"	1-3/16"	24.63	23.56	22.49	21.42
	89456	.1960	#9	4.978	3"	1-3/4"	24.63	23.56	22.49	21.42
77461		.1969		5.000	57	30	24.76	23.68	22.61	21.53
	89461	.1969		5.000	76	44	24.76	23.68	22.61	21.53
77466		.1990	#8	5.055	2-1/4"	1-3/16"	24.87	23.79	22.71	21.63
	89466	.1990	#8	5.055	3"	1-3/4"	24.86	23.78	22.70	21.62
77471		.2010	#7	5.105	2-1/4"	1-3/16"	25.53	24.42	23.31	22.20
	89471	.2010	#7	5.105	3"	1-3/4"	25.52	24.41	23.30	22.19
77476		.2031	13/64"	5.159	2-1/4"	1-3/16"	25.68	24.56	23.45	22.33
	89476	.2031	13/64"	5.159	3"	1-3/4"	25.68	24.56	23.45	22.33
77481		.2040	#6	5.182	2-3/8"	1-1/4"	26.14	25.00	23.87	22.73
	89481	.2040	#6	5.182	3"	1-3/4"	26.14	25.00	23.87	22.73
77486		.2055	#5	5.220	2-3/8"	1-1/4"	26.60	25.44	24.29	23.13
	89486	.2055	#5	5.220	3"	1-3/4"	26.60	25.44	24.29	23.13
77491		.2090	#4	5.309	2-3/8"	1-1/4"	27.03	25.85	24.68	23.50
	89491	.2090	#4	5.309	3"	1-3/4"	27.03	25.85	24.68	23.50
77496		.2130	#3	5.410	2-3/8"	1-1/4"	27.42	26.22	25.03	23.84
	89496	.2130	#3	5.410	3"	1-3/4"	27.42	26.22	25.03	23.84
77501		.2165		5.500	60	32	27.61	26.41	25.21	24.01
	89501	.2165		5.500	76	44	27.59	26.39	25.19	23.99
77506		.2188	7/32"	5.558	2-3/8"	1-1/4"	27.77	26.57	25.36	24.15
	89506	.2188	7/32"	5.558	3"	1-3/4"	27.76	26.55	25.35	24.14
77511		.2210	#2	5.613	2-7/16"	1-5/16"	28.37	27.14	25.90	24.67
	89511	.2210	#2	5.613	3"	1-3/4"	28.34	27.10	25.87	24.64
77516		.2280	#1	5.791	2-7/16"	1-5/16"	28.52	27.28	26.04	24.80
	89516	.2280	#1	5.791	3"	1-3/4"	28.51	27.27	26.03	24.79
77521		.2340	A	5.944	2-7/16"	1-5/16"	28.58	27.34	26.09	24.85
	89521	.2340	A	5.944	3-1/4"	2"	28.91	27.65	26.40	25.14
77526		.2344	15/64"	5.954	2-7/16"	1-5/16"	28.62	27.38	26.13	24.89
	89526	.2344	15/64"	5.954	3-1/4"	2"	28.99	27.73	26.47	25.21
77531		.2362		6.000	64	35	28.69	27.45	26.20	24.95
	89531	.2362		6.000	82	50	29.08	27.82	26.55	25.29
77536		.2380	B	6.045	2-1/2"	1-3/8"	28.80	27.54	26.29	25.04
	89536	.2380	B	6.045	3-1/4"	2"	29.18	27.91	26.64	25.37
77541		.2420	C	6.147	2-1/2"	1-3/8"	28.98	27.72	26.46	25.20
	89541	.2420	C	6.147	3-1/4"	2"	29.36	28.08	26.81	25.53

continued →

Series 1520H, 1205H (continued)

.2460" - .3543"
(6.248mm - 9.000mm)

3xD (1520H) EDP#	5xD (1205H) EDP#	d^{\dagger} Diameter		l_1 Overall Length	l_2 Flute Length	1-11	12-24	25-49	50-100	
		Decimal	Metric							
77546		.2460	D	6.248	2-1/2"	1-3/8"	29.18	27.91	26.64	25.37
	89546	.2460	D	6.248	3-1/4"	2"	29.57	28.28	27.00	25.71
77551		.2500	1/4" / E	6.350	2-1/2"	1-3/8"	29.35	28.07	26.80	25.52
	89551	.2500	1/4" / E	6.350	3-1/4"	2"	29.72	28.42	27.13	25.84
77556		.2559		6.500	67	37	32.76	31.34	29.91	28.49
	89556	.2559		6.500	82	50	33.47	32.01	30.56	29.10
77561		.2570	F	6.528	2-5/8"	1-7/16"	33.32	31.87	30.42	28.97
	89561	.2570	F	6.528	3-1/4"	2"	34.05	32.57	31.09	29.61
77566		.2610	G	6.629	2-5/8"	1-7/16"	33.86	32.38	30.91	29.44
	89566	.2610	G	6.629	3-1/2"	2-1/8"	34.57	33.07	31.56	30.06
77571		.2656	17/64"	6.746	2-5/8"	1-7/16"	34.43	32.93	31.44	29.94
	89571	.2656	17/64"	6.746	3-1/2"	2-1/8"	35.14	33.62	32.09	30.56
77576		.2660	H	6.756	2-11/16"	1-1/2"	35.22	33.69	32.16	30.63
	89576	.2660	H	6.756	3-1/2"	2-1/8"	35.94	34.38	32.81	31.25
77581		.2720	I	6.909	2-11/16"	1-1/2"	35.56	34.01	32.47	30.92
	89581	.2720	I	6.909	3-1/2"	2-1/8"	36.27	34.69	33.12	31.54
77586		.2756		7.000	68	38	35.80	34.24	32.69	31.13
	89586	.2756		7.000	88	54	36.50	34.91	33.33	31.74
77591		.2770	J	7.036	2-11/16"	1-1/2"	36.08	34.51	32.94	31.37
	89591	.2770	J	7.036	3-1/2"	2-1/8"	36.77	35.17	33.57	31.97
77596		.2810	K	7.137	2-11/16"	1-1/2"	36.32	34.74	33.16	31.58
	89596	.2810	K	7.137	3-1/2"	2-1/8"	37.05	35.44	33.83	32.22
77601		.2812	9/32"	7.142	2-11/16"	1-1/2"	36.48	34.89	33.31	31.72
	89601	.2812	9/32"	7.142	3-1/2"	2-1/8"	37.19	35.57	33.96	32.34
77606		.2900	L	7.366	2-3/4"	1-9/16"	37.58	35.95	34.31	32.68
	89606	.2900	L	7.366	3-1/2"	2-1/8"	38.33	36.66	35.00	33.33
77611		.2950	M	7.493	2-3/4"	1-9/16"	39.76	38.03	36.30	34.57
	89611	.2950	M	7.493	3-3/4"	2-3/8"	40.53	38.76	37.00	35.24
77616		.2953		7.500	70	40	39.76	38.03	36.30	34.57
	89616	.2953		7.500	95	60	40.53	38.76	37.00	35.24
77621		.2969	19/64"	7.541	2-3/4"	1-9/16"	39.95	38.21	36.48	34.74
	89621	.2969	19/64"	7.541	3-3/4"	2-3/8"	40.53	38.76	37.00	35.24
77626		.3020	N	7.671	2-15/16"	1-5/8"	41.76	39.94	38.13	36.31
	89626	.3020	N	7.671	3-3/4"	2-3/8"	42.53	40.68	38.83	36.98
77631		.3125	5/16"	7.938	2-15/16"	1-5/8"	41.89	40.07	38.25	36.43
	89631	.3125	5/16"	7.938	3-3/4"	2-3/8"	42.69	40.83	38.98	37.12
77636		.3150		8.000	75	43	44.46	42.53	40.59	38.66
	89636	.3150		8.000	95	60	45.26	43.30	41.33	39.36
77641		.3160	O	8.026	2-15/16"	1-11/16"	44.46	42.53	40.59	38.66
	89641	.3160	O	8.026	3-3/4"	2-3/8"	45.26	43.30	41.33	39.36
77646		.3230	P	8.204	2-15/16"	1-11/16"	44.78	42.83	40.89	38.94
	89646	.3230	P	8.204	3-3/4"	2-3/8"	45.26	43.30	41.33	39.36
77651		.3281	21/64"	8.334	2-15/16"	1-11/16"	45.03	43.08	41.12	39.16
	89651	.3281	21/64"	8.334	4"	2-1/2"	45.84	43.85	41.85	39.86
77656		.3320	Q	8.433	3"	1-11/16"	45.93	43.93	41.94	39.94
	89656	.3320	Q	8.433	4"	2-1/2"	46.76	44.73	42.69	40.66
77661		.3346		8.500	76	43	46.29	44.28	42.26	40.25
	89661	.3346		8.500	101	63	47.10	45.06	43.01	40.96
77666		.3390	R	8.611	3"	1-11/16"	47.55	45.49	43.42	41.35
	89666	.3390	R	8.611	4"	2-1/2"	48.39	46.29	44.18	42.08
77671		.3438	11/32"	8.733	3"	1-11/16"	49.23	47.09	44.95	42.81
	89671	.3438	11/32"	8.733	4"	2-1/2"	50.07	47.89	45.72	43.54
77676		.3480	S	8.839	3-1/16"	1-3/4"	52.07	49.81	47.54	45.28
	89676	.3480	S	8.839	4"	2-1/2"	52.06	49.80	47.53	45.27
77681		.3543		9.000	78	44	52.34	50.06	47.79	45.51
	89681	.3543		9.000	101	63	52.35	50.07	47.80	45.52

3xD (1520H) EDP#	5xD (1205H) EDP#	d^+ Diameter		l_1 Overall Length	l_2 Flute Length	1-11	12-24	25-49	50-100	
		Decimal	Metric							
77686		.3580	T	9.093	3-1/16"	1-3/4"	52.51	50.23	47.94	45.66
	89686	.3580	T	9.093	4-1/4"	2-3/4"	54.43	52.06	49.70	47.33
77691		.3594	23/64"	9.129	3-1/16"	1-3/4"	52.83	50.53	48.24	45.94
	89691	.3594	23/64"	9.129	4-1/4"	2-3/4"	54.76	52.38	50.00	47.62
77696		.3680	U	9.347	3-1/8"	1-13/16"	57.02	54.54	52.06	49.58
	89696	.3680	U	9.347	4-1/4"	2-3/4"	60.75	58.11	55.47	52.83
77701		.3740		9.500	79	46	57.47	54.97	52.47	49.97
	89701	.3740		9.500	107	70	61.20	58.54	55.88	53.22
77706		.3750	3/8"	9.525	3-1/8"	1-13/16"	57.83	55.32	52.80	50.29
	89706	.3750	3/8"	9.525	4-1/4"	2-3/4"	61.61	58.93	56.25	53.57
77711		.3770	V	9.576	3-1/4"	1-7/8"	60.06	57.45	54.84	52.23
	89711	.3770	V	9.576	4-1/4"	2-3/4"	63.11	60.37	57.62	54.88
77716		.3860	W	9.804	3-1/4"	1-7/8"	61.11	58.45	55.80	53.14
	89716	.3860	W	9.804	4-1/2"	2-7/8"	64.24	61.45	58.65	55.86
77721		.3906	25/64"	9.921	3-1/4"	1-7/8"	61.87	59.18	56.49	53.80
	89721	.3906	25/64"	9.921	4-1/2"	2-7/8"	65.01	62.18	59.36	56.53
77726		.3937		10.000	84	49	63.74	60.97	58.20	55.43
	89726	.3937		10.000	114	73	66.98	64.06	61.15	58.24
77731		.3970	X	10.084	3-5/16"	1-15/16"	65.30	62.46	59.62	56.78
	89731	.3970	X	10.084	4-1/2"	2-7/8"	68.60	65.62	62.63	59.65
77736		.4040	Y	10.262	3-5/16"	1-15/16"	65.76	62.90	60.04	57.18
	89736	.4040	Y	10.262	4-1/2"	2-7/8"	69.07	66.07	63.06	60.06
77741		.4062	13/32"	10.317	3-5/16"	1-15/16"	67.79	64.85	61.90	58.95
	89741	.4062	13/32"	10.317	4-1/2"	2-7/8"	71.17	68.08	64.98	61.89
77746		.4130	Z	10.490	3-3/8"	2"	68.39	65.42	62.44	59.47
	89746	.4130	Z	10.490	4-1/2"	2-7/8"	71.83	68.71	65.58	62.46
77751		.4134		10.500	86	51	68.39	65.42	62.44	59.47
	89751	.4134		10.500	114	73	71.83	68.71	65.58	62.46
77756		.4219	27/64"	10.716	3-3/8"	2"	69.05	66.04	63.04	60.04
	89756	.4219	27/64"	10.716	4-1/2"	2-7/8"	72.50	69.34	66.19	63.04
77761		.4331		11.000	87	52	74.12	70.90	67.67	64.45
	89761	.4331		11.000	114	73	77.77	74.39	71.01	67.63
77766		.4375	7/16"	11.113	3-7/16"	2-1/16"	74.12	70.90	67.67	64.45
	89766	.4375	7/16"	11.113	4-1/2"	2-7/8"	77.77	74.39	71.01	67.63
77771		.4528		11.500	91	54	79.56	76.10	72.64	69.18
	89771	.4528		11.500	120	76	83.44	79.82	76.19	72.56
77776		.4531	29/64"	11.509	3-9/16"	2-1/8"	79.56	76.10	72.64	69.18
	89776	.4531	29/64"	11.509	4-3/4"	3"	83.44	79.82	76.19	72.56
77781		.4688	15/32"	11.908	3-5/8"	2-1/8"	83.59	79.96	76.32	72.69
	89781	.4688	15/32"	11.908	4-3/4"	3"	87.63	83.82	80.01	76.20
77786		.4724		12.000	94	56	83.84	80.19	76.55	72.90
	89786	.4724		12.000	120	76	87.89	84.07	80.25	76.43
77791		.4844	31/64"	12.304	3-11/16"	2-3/16"	84.41	80.74	77.07	73.40
	89791	.4844	31/64"	12.304	4-3/4"	3"	87.89	84.07	80.25	76.43
77796		.4921		12.500	95	56	85.24	81.53	77.83	74.12
	89796	.4921		12.500	120	76	89.94	86.03	82.12	78.21
77801		.5000	1/2"	12.700	3-3/4"	2-1/4"	85.79	82.06	78.33	74.60
	89801	.5000	1/2"	12.700	4-3/4"	3"	89.94	86.03	82.12	78.21
77806		.5118		13.000	107	60	109.17	104.42	99.68	94.93
	89806	.5118		13.000	127	83	113.19	108.27	103.35	98.43
77811		.5156	33/64"	13.096	4-1/4"	2-3/8"	111.73	106.88	102.02	97.16
	89811	.5156	33/64"	13.096	5"	3-1/4"	115.84	110.80	105.77	100.73
77816		.5312	17/32"	13.492	4-1/4"	2-3/8"	114.28	109.31	104.34	99.37
	89816	.5312	17/32"	13.492	5"	3-1/4"	118.51	113.36	108.20	103.05
NEW 77821		.5315		13.500	107	60	116.84	111.76	106.68	101.60
	89821	.5315		13.500	127	83	121.16	115.90	110.63	105.36

continued →

Series 1520H, 1205H (continued)

.5469" - .6299"
(13.891mm - 16.000mm)

	3xD (1520H) EDP#	5xD (1205H) EDP#	d^{\dagger} Diameter		l_1 Overall Length	l_2 Flute Length	1-11	12-24	25-49	50-100	
			Decimal	Metric							
NEW	77826		.5469	35/64"	13.891	4-1/4"	2-3/8"	119.39	114.20	109.01	103.82
		89826	.5469	35/64"	13.891	5"	3-1/4"	123.82	118.44	113.05	107.67
NEW	77831		.5512		14.000	107	60	121.96	116.66	111.35	106.05
		89831	.5512		14.000	127	83	126.51	121.01	115.51	110.01
NEW	77836		.5625	9/16"	14.287	4-1/2"	2-1/2"	131.74	126.02	120.29	114.56
		89836	.5625	9/16"	14.287	5"	3-1/4"	136.69	130.75	124.80	118.86
NEW	77841		.5709		14.500	115	65	134.21	128.37	122.54	116.70
		89841	.5709		14.500	127	83	139.24	133.19	127.13	121.08
NEW	77846		.5781	37/64"	14.683	4-1/2"	2-1/2"	136.65	130.71	124.77	118.83
		89846	.5781	37/64"	14.683	5-1/4"	3-1/2"	141.82	135.65	129.49	123.32
NEW	77851		.5906		15.000	115	65	139.16	133.11	127.06	121.01
		89851	.5906		15.000	133	89	144.41	138.13	131.85	125.57
NEW	77856		.5938	19/32"	15.082	4-1/2"	2-1/2"	139.89	133.80	127.72	121.64
		89856	.5938	19/32"	15.082	5-1/4"	3-1/2"	145.19	138.88	132.56	126.25
NEW	77861		.6094	39/64"	15.478	4-1/2"	2-1/2"	140.58	134.46	128.35	122.24
		89861	.6094	39/64"	15.478	5-1/4"	3-1/2"	145.90	139.56	133.21	126.87
NEW	77866		.6102		15.500	115	65	141.30	135.16	129.01	122.87
		89866	.6102		15.500	133	89	146.65	140.27	133.90	127.52
NEW	77871		.6250	5/8"	15.875	4-1/2"	2-1/2"	142.00	135.83	129.65	123.48
		89871	.6250	5/8"	15.875	5-1/4"	3-1/2"	147.40	140.99	134.58	128.17
NEW	77876		.6299		16.000	115	65	145.42	139.10	132.77	126.45
		89876	.6299		16.000	133	89	150.95	144.39	137.82	131.26

