

TOLERANCES

d	+.0000" - .0005" (+.0000 - .0127mm)	
l_1	$\leq 1/8"$	+.125" - .062" (+3.175 - 1.588mm)
	$> 1/8"$	+.125" - .125" (+3.175 - 3.175mm)
l_2	$\leq 1/8"$	+.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

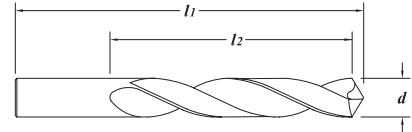
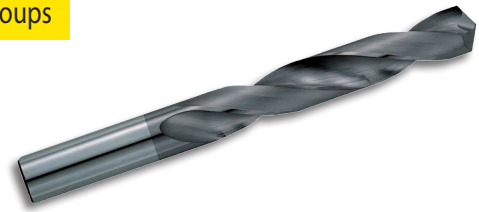
Excellent heat resistance and lubricity

No spotting required in most applications

4-flute self-centering point

Live tooling recommended on lathe processes

Uncoated - page 67



3xD (1520H) EDP#	5xD (1205H) EDP#	d †		l_1	l_2	1-11	12-24	25-49	50-100
		Decimal	Diameter Metric	Overall Length	Flute Length				
77166		.0625	1/16"	1.588	1-3/4"	5/8"	9.14	8.75	8.35
	89166	.0625	1/16"	1.588	1-3/4"	3/4"	9.14	8.75	8.35
77171		.0635	#52	1.613	1-3/4"	11/16"	9.26	8.86	8.45
	89171	.0635	#52	1.613	1-3/4"	3/4"	9.26	8.86	8.45
77176		.0670	#51	1.702	1-3/4"	11/16"	9.37	8.97	8.56
	89176	.0670	#51	1.702	1-3/4"	3/4"	9.37	8.97	8.56
77181		.0700	#50	1.778	1-3/4"	11/16"	9.52	9.11	8.69
	89181	.0700	#50	1.778	1-3/4"	7/8"	9.52	9.11	8.69
77186		.0730	#49	1.854	1-3/4"	11/16"	9.73	9.31	8.88
	89186	.0730	#49	1.854	1-3/4"	7/8"	9.74	9.32	8.89
77191		.0760	#48	1.930	1-3/4"	11/16"	9.98	9.55	9.11
	89191	.0760	#48	1.930	1-3/4"	7/8"	9.98	9.55	9.11
77196		.0781	5/64"	1.984	1-3/4"	11/16"	10.28	9.83	9.39
	89196	.0781	5/64"	1.984	1-3/4"	7/8"	10.30	9.86	9.41
77201		.0785	#47	1.994	1-3/4"	3/4"	10.56	10.10	9.64
	89201	.0785	#47	1.994	1-3/4"	7/8"	10.58	10.12	9.66
77206		.0787		2.000	44	19	10.71	10.24	9.78
	89206	.0787		2.000	44	22	10.71	10.24	9.78
77211		.0810	#46	2.057	1-3/4"	3/4"	10.83	10.36	9.89
	89211	.0810	#46	2.057	1-3/4"	7/8"	10.84	10.37	9.90
77216		.0820	#45	2.083	1-3/4"	3/4"	11.10	10.62	10.13
	89216	.0820	#45	2.083	1-3/4"	7/8"	11.11	10.63	10.14
77221		.0860	#44	2.184	1-3/4"	3/4"	11.40	10.90	10.41
	89221	.0860	#44	2.184	2"	1"	11.41	10.91	10.42
77226		.0890	#43	2.261	1-3/4"	3/4"	11.65	11.14	10.64
	89226	.0890	#43	2.261	2"	1"	11.66	11.15	10.65
77231		.0935	#42	2.375	1-3/4"	3/4"	11.81	11.30	10.78
	89231	.0935	#42	2.375	2"	1"	11.81	11.30	10.78
77236		.0938	3/32"	2.383	1-3/4"	3/4"	12.03	11.51	10.98
	89236	.0938	3/32"	2.383	2"	1"	12.03	11.51	10.98
77241		.0960	#41	2.438	1-13/16"	13/16"	12.11	11.58	11.06
	89241	.0960	#41	2.438	2"	1"	12.13	11.61	11.08
77246		.0980	#40	2.489	1-13/16"	13/16"	12.26	11.73	11.19
	89246	.0980	#40	2.489	2"	1"	12.28	11.75	11.21
77251		.0984		2.500	46	21	12.31	11.77	11.24
	89251	.0984		2.500	57	32	12.31	11.77	11.24
77256		.0995	#39	2.527	1-13/16"	13/16"	12.36	11.83	11.29
	89256	.0995	#39	2.527	2-1/4"	1-1/4"	12.36	11.83	11.29
77261		.1015	#38	2.578	1-13/16"	13/16"	12.48	11.94	11.39
	89261	.1015	#38	2.578	2-1/4"	1-1/4"	12.51	11.97	11.42

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"	12.52	11.98	11.43	10.89
	89266	.1040	#37	2.642	2-1/4"	1-1/4"	12.62	12.07	11.52	10.97
77271		.1065	#36	2.705	1-13/16"	13/16"	12.60	12.06	11.51	10.96
	89271	.1065	#36	2.705	2-1/4"	1-1/4"	12.77	12.21	11.66	11.10
77276		.1094	7/64"	2.779	1-13/16"	13/16"	12.66	12.11	11.56	11.01
	89276	.1094	7/64"	2.779	2-1/4"	1-1/4"	12.96	12.40	11.83	11.27
77281		.1100	#35	2.794	1-7/8"	7/8"	12.74	12.19	11.63	11.08
	89281	.1100	#35	2.794	2-1/4"	1-1/4"	13.06	12.50	11.93	11.36
77286		.1110	#34	2.819	1-7/8"	7/8"	12.87	12.31	11.75	11.19
	89286	.1110	#34	2.819	2-1/4"	1-1/4"	13.20	12.63	12.05	11.48
77291		.1130	#33	2.870	1-7/8"	7/8"	12.95	12.39	11.82	11.26
	89291	.1130	#33	2.870	2-1/4"	1-1/4"	13.41	12.83	12.24	11.66
77296		.1160	#32	2.946	1-7/8"	7/8"	13.03	12.46	11.90	11.33
	89296	.1160	#32	2.946	2-1/4"	1-1/4"	13.51	12.93	12.34	11.75
77301		.1181		3.000	48	22	13.13	12.56	11.99	11.42
	89301	.1181		3.000	57	32	13.63	13.04	12.44	11.85
77306		.1200	#31	3.048	1-7/8"	7/8"	13.23	12.65	12.08	11.50
	89306	.1200	#31	3.048	2-1/4"	1-1/4"	13.73	13.13	12.54	11.94
77311		.1250	1/8"	3.175	1-7/8"	7/8"	13.35	12.77	12.19	11.61
	89311	.1250	1/8"	3.175	2-1/4"	1-1/4"	13.85	13.24	12.64	12.04
77316		.1285	#30	3.264	1-15/16"	15/16"	13.65	13.06	12.46	11.87
	89316	.1285	#30	3.264	2-1/4"	1-1/4"	14.17	13.55	12.94	12.32
77321		.1360	#29	3.454	1-15/16"	15/16"	13.96	13.35	12.75	12.14
	89321	.1360	#29	3.454	2-1/2"	1-3/8"	14.54	13.90	13.27	12.64
77326		.1378		3.500	49	24	14.35	13.73	13.10	12.48
	89326	.1378		3.500	63	35	14.94	14.29	13.64	12.99
77331		.1405	#28	3.569	1-15/16"	15/16"	14.50	13.87	13.24	12.61
	89331	.1405	#28	3.569	2-1/2"	1-3/8"	15.10	14.44	13.79	13.13
77336		.1406	9/64"	3.571	1-15/16"	15/16"	14.64	14.00	13.37	12.73
	89336	.1406	9/64"	3.571	2-1/2"	1-3/8"	15.24	14.58	13.91	13.25
77341		.1440	#27	3.658	2-1/16"	1"	15.74	15.06	14.37	13.69
	89341	.1440	#27	3.658	2-1/2"	1-3/8"	15.76	15.07	14.39	13.70
77346		.1470	#26	3.734	2-1/16"	1"	15.90	15.21	14.52	13.83
	89346	.1470	#26	3.734	2-1/2"	1-3/8"	15.90	15.21	14.52	13.83
77351		.1495	#25	3.797	2-1/16"	1"	16.04	15.35	14.65	13.95
	89351	.1495	#25	3.797	2-1/2"	1-3/8"	16.04	15.35	14.65	13.95
77356		.1520	#24	3.861	2-1/16"	1"	16.10	15.40	14.70	14.00
	89356	.1520	#24	3.861	2-1/2"	1-3/8"	16.12	15.42	14.72	14.02
77361		.1540	#23	3.912	2-1/16"	1"	16.19	15.49	14.78	14.08
	89361	.1540	#23	3.912	2-1/2"	1-3/8"	16.20	15.50	14.79	14.09
77366		.1562	5/32"	3.967	2-1/16"	1"	16.27	15.57	14.86	14.15
	89366	.1562	5/32"	3.967	2-1/2"	1-3/8"	16.27	15.57	14.86	14.15
77371		.1570	#22	3.988	2-1/8"	1-1/16"	17.18	16.43	15.69	14.94
	89371	.1570	#22	3.988	2-1/2"	1-3/8"	17.18	16.43	15.69	14.94
77376		.1575		4.000	54	27	17.37	16.61	15.86	15.10
	89376	.1575		4.000	63	35	17.38	16.62	15.87	15.11
77381		.1590	#21	4.039	2-1/8"	1-1/16"	17.57	16.81	16.04	15.28
	89381	.1590	#21	4.039	2-1/2"	1-3/8"	17.57	16.81	16.04	15.28
77386		.1610	#20	4.089	2-1/8"	1-1/16"	17.68	16.91	16.14	15.37
	89386	.1610	#20	4.089	2-1/2"	1-3/8"	17.68	16.91	16.14	15.37
77391		.1660	#19	4.216	2-1/8"	1-1/16"	18.31	17.51	16.72	15.92
	89391	.1660	#19	4.216	2-3/4"	1-5/8"	18.32	17.52	16.73	15.93
77396		.1695	#18	4.305	2-1/8"	1-1/16"	18.50	17.70	16.89	16.09
	89396	.1695	#18	4.305	2-3/4"	1-5/8"	18.50	17.70	16.89	16.09
77401		.1719	11/64"	4.366	2-1/8"	1-1/16"	18.83	18.01	17.19	16.37
	89401	.1719	11/64"	4.366	2-3/4"	1-5/8"	18.83	18.01	17.19	16.37

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"	19.08	18.25	17.42
	89406	.1730	#17	4.394	2-3/4"	1-5/8"	19.10	18.27	17.44
77411		.1770	#16	4.496	2-3/16"	1-1/8"	19.26	18.43	17.59
	89411	.1770	#16	4.496	2-3/4"	1-5/8"	19.26	18.43	17.59
77416		.1772		4.500	56	29	19.35	18.51	17.67
	89416	.1772		4.500	70	41	19.37	18.52	17.68
77421		.1800	#15	4.572	2-3/16"	1-1/8"	19.45	18.60	17.76
	89421	.1800	#15	4.572	2-3/4"	1-5/8"	19.45	18.60	17.76
77426		.1820	#14	4.623	2-3/16"	1-1/8"	19.83	18.96	18.10
	89426	.1820	#14	4.623	2-3/4"	1-5/8"	19.83	18.96	18.10
77431		.1850	#13	4.700	2-3/16"	1-1/8"	19.96	19.10	18.23
	89431	.1850	#13	4.700	2-3/4"	1-5/8"	19.98	19.11	18.24
77436		.1875	3/16"	4.763	2-3/16"	1-1/8"	20.02	19.15	18.28
	89436	.1875	3/16"	4.763	2-3/4"	1-5/8"	20.06	19.18	18.31
77441		.1890	#12	4.801	2-1/4"	1-3/16"	22.10	21.14	20.18
	89441	.1890	#12	4.801	2-3/4"	1-5/8"	22.10	21.14	20.18
77446		.1910	#11	4.851	2-1/4"	1-3/16"	22.30	21.33	20.36
	89446	.1910	#11	4.851	2-3/4"	1-5/8"	22.30	21.33	20.36
77451		.1935	#10	4.915	2-1/4"	1-3/16"	23.17	22.17	21.16
	89451	.1935	#10	4.915	2-3/4"	1-5/8"	23.17	22.17	21.16
77456		.1960	#9	4.978	2-1/4"	1-3/16"	23.69	22.66	21.63
	89456	.1960	#9	4.978	3"	1-3/4"	23.69	22.66	21.63
77461		.1969		5.000	57	30	23.81	22.77	21.74
	89461	.1969		5.000	76	44	23.81	22.77	21.74
77466		.1990	#8	5.055	2-1/4"	1-3/16"	23.92	22.88	21.84
	89466	.1990	#8	5.055	3"	1-3/4"	23.91	22.87	21.83
77471		.2010	#7	5.105	2-1/4"	1-3/16"	24.55	23.49	22.42
	89471	.2010	#7	5.105	3"	1-3/4"	24.54	23.47	22.41
77476		.2031	13/64"	5.159	2-1/4"	1-3/16"	24.69	23.62	22.54
	89476	.2031	13/64"	5.159	3"	1-3/4"	24.69	23.62	22.54
77481		.2040	#6	5.182	2-3/8"	1-1/4"	25.14	24.05	22.95
	89481	.2040	#6	5.182	3"	1-3/4"	25.14	24.05	22.95
77486		.2055	#5	5.220	2-3/8"	1-1/4"	25.58	24.46	23.35
	89486	.2055	#5	5.220	3"	1-3/4"	25.58	24.46	23.35
77491		.2090	#4	5.309	2-3/8"	1-1/4"	25.99	24.86	23.73
	89491	.2090	#4	5.309	3"	1-3/4"	25.99	24.86	23.73
77496		.2130	#3	5.410	2-3/8"	1-1/4"	26.36	25.21	24.07
	89496	.2130	#3	5.410	3"	1-3/4"	26.36	25.21	24.07
77501		.2165		5.500	60	32	26.55	25.40	24.24
	89501	.2165		5.500	76	44	26.53	25.38	24.22
77506		.2188	7/32"	5.558	2-3/8"	1-1/4"	26.70	25.54	24.38
	89506	.2188	7/32"	5.558	3"	1-3/4"	26.69	25.53	24.37
77511		.2210	#2	5.613	2-7/16"	1-5/16"	27.28	26.09	24.91
	89511	.2210	#2	5.613	3"	1-3/4"	27.24	26.06	24.87
77516		.2280	#1	5.791	2-7/16"	1-5/16"	27.43	26.24	25.04
	89516	.2280	#1	5.791	3"	1-3/4"	27.42	26.22	25.03
77521		.2340	A	5.944	2-7/16"	1-5/16"	27.47	26.28	25.08
	89521	.2340	A	5.944	3-1/4"	2"	27.80	26.59	25.38
77526		.2344	15/64"	5.954	2-7/16"	1-5/16"	27.52	26.32	25.13
	89526	.2344	15/64"	5.954	3-1/4"	2"	27.88	26.66	25.45
77531		.2362		6.000	64	35	27.59	26.39	25.19
	89531	.2362		6.000	82	50	27.97	26.75	25.54
77536		.2380	B	6.045	2-1/2"	1-3/8"	27.69	26.49	25.28
	89536	.2380	B	6.045	3-1/4"	2"	28.05	26.83	25.61
77541		.2420	C	6.147	2-1/2"	1-3/8"	27.86	26.65	25.44
	89541	.2420	C	6.147	3-1/4"	2"	28.23	27.01	25.78

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"	28.05	26.83	25.61
	89546	.2460	D	6.248	3-1/4"	2"	28.43	27.19	25.96
77551		.2500	1/4" / E	6.350	2-1/2"	1-3/8"	28.22	26.99	25.77
	89551	.2500	1/4" / E	6.350	3-1/4"	2"	28.58	27.34	26.09
77556		.2559		6.500	67	37	31.50	30.13	28.76
	89556	.2559		6.500	82	50	32.18	30.78	29.38
77561		.2570	F	6.528	2-5/8"	1-7/16"	32.04	30.65	29.25
	89561	.2570	F	6.528	3-1/4"	2"	32.74	31.32	29.89
77566		.2610	G	6.629	2-5/8"	1-7/16"	32.56	31.14	29.73
	89566	.2610	G	6.629	3-1/2"	2-1/8"	33.24	31.79	30.35
77571		.2656	17/64"	6.746	2-5/8"	1-7/16"	33.11	31.67	30.23
	89571	.2656	17/64"	6.746	3-1/2"	2-1/8"	33.79	32.32	30.85
77576		.2660	H	6.756	2-11/16"	1-1/2"	33.87	32.40	30.92
	89576	.2660	H	6.756	3-1/2"	2-1/8"	34.56	33.06	31.55
77581		.2720	I	6.909	2-11/16"	1-1/2"	34.19	32.70	31.22
	89581	.2720	I	6.909	3-1/2"	2-1/8"	34.88	33.36	31.85
77586		.2756		7.000	68	38	34.42	32.92	31.43
	89586	.2756		7.000	88	54	35.10	33.57	32.05
77591		.2770	J	7.036	2-11/16"	1-1/2"	34.68	33.18	31.67
	89591	.2770	J	7.036	3-1/2"	2-1/8"	35.35	33.81	32.28
77596		.2810	K	7.137	2-11/16"	1-1/2"	34.93	33.41	31.89
	89596	.2810	K	7.137	3-1/2"	2-1/8"	35.63	34.08	32.53
77601		.2812	9/32"	7.142	2-11/16"	1-1/2"	35.08	33.55	32.03
	89601	.2812	9/32"	7.142	3-1/2"	2-1/8"	35.77	34.21	32.66
77606		.2900	L	7.366	2-3/4"	1-9/16"	36.13	34.56	32.99
	89606	.2900	L	7.366	3-1/2"	2-1/8"	36.86	35.26	33.65
77611		.2950	M	7.493	2-3/4"	1-9/16"	38.23	36.56	34.90
	89611	.2950	M	7.493	3-3/4"	2-3/8"	38.96	37.27	35.57
77616		.2953		7.500	70	40	38.23	36.56	34.90
	89616	.2953		7.500	95	60	38.96	37.27	35.57
77621		.2969	19/64"	7.541	2-3/4"	1-9/16"	38.41	36.74	35.07
	89621	.2969	19/64"	7.541	3-3/4"	2-3/8"	38.96	37.27	35.57
77626		.3020	N	7.671	2-15/16"	1-5/8"	40.15	38.40	36.66
	89626	.3020	N	7.671	3-3/4"	2-3/8"	40.89	39.12	37.34
77631		.3125	5/16"	7.938	2-15/16"	1-5/8"	40.28	38.53	36.78
	89631	.3125	5/16"	7.938	3-3/4"	2-3/8"	41.04	39.26	37.47
77636		.3150		8.000	75	43	42.75	40.89	39.03
	89636	.3150		8.000	95	60	43.53	41.64	39.74
77641		.3160	O	8.026	2-15/16"	1-11/16"	42.75	40.89	39.03
	89641	.3160	O	8.026	3-3/4"	2-3/8"	43.53	41.64	39.74
77646		.3230	P	8.204	2-15/16"	1-11/16"	43.06	41.18	39.31
	89646	.3230	P	8.204	3-3/4"	2-3/8"	43.53	41.64	39.74
77651		.3281	21/64"	8.334	2-15/16"	1-11/16"	43.30	41.42	39.53
	89651	.3281	21/64"	8.334	4"	2-1/2"	44.08	42.16	40.25
77656		.3320	Q	8.433	3"	1-11/16"	44.16	42.24	40.32
	89656	.3320	Q	8.433	4"	2-1/2"	44.97	43.01	41.06
77661		.3346		8.500	76	43	44.51	42.57	40.64
	89661	.3346		8.500	101	63	45.29	43.32	41.35
77666		.3390	R	8.611	3"	1-11/16"	45.72	43.74	41.75
	89666	.3390	R	8.611	4"	2-1/2"	46.53	44.51	42.48
77671		.3438	11/32"	8.733	3"	1-11/16"	47.33	45.28	43.22
	89671	.3438	11/32"	8.733	4"	2-1/2"	48.15	46.06	43.96
77676		.3480	S	8.839	3-1/16"	1-3/4"	50.07	47.89	45.72
	89676	.3480	S	8.839	4"	2-1/2"	50.06	47.88	45.71
77681		.3543		9.000	78	44	50.32	48.14	45.95
	89681	.3543		9.000	101	63	50.34	48.15	45.96

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"	50.49	48.29	46.10
	89686	.3580	T	9.093	4-1/4"	2-3/4"	52.34	50.06	47.79
77691		.3594	23/64"	9.129	3-1/16"	1-3/4"	50.80	48.59	46.38
	89691	.3594	23/64"	9.129	4-1/4"	2-3/4"	52.66	50.37	48.08
77696		.3680	U	9.347	3-1/8"	1-13/16"	54.82	52.44	50.05
	89696	.3680	U	9.347	4-1/4"	2-3/4"	58.42	55.88	53.34
77701		.3740		9.500	79	46	55.26	52.86	50.45
	89701	.3740		9.500	107	70	58.85	56.29	53.73
77706		.3750	3/8"	9.525	3-1/8"	1-13/16"	55.61	53.20	50.78
	89706	.3750	3/8"	9.525	4-1/4"	2-3/4"	59.24	56.66	54.09
77711		.3770	V	9.576	3-1/4"	1-7/8"	57.75	55.24	52.73
	89711	.3770	V	9.576	4-1/4"	2-3/4"	60.69	58.05	55.41
77716		.3860	W	9.804	3-1/4"	1-7/8"	58.77	56.21	53.66
	89716	.3860	W	9.804	4-1/2"	2-7/8"	61.77	59.08	56.40
77721		.3906	25/64"	9.921	3-1/4"	1-7/8"	59.49	56.90	54.32
	89721	.3906	25/64"	9.921	4-1/2"	2-7/8"	62.51	59.80	57.08
77726		.3937		10.000	84	49	61.30	58.63	55.97
	89726	.3937		10.000	114	73	64.40	61.60	58.80
77731		.3970	X	10.084	3-5/16"	1-15/16"	62.79	60.06	57.33
	89731	.3970	X	10.084	4-1/2"	2-7/8"	65.96	63.10	60.23
77736		.4040	Y	10.262	3-5/16"	1-15/16"	63.23	60.48	57.73
	89736	.4040	Y	10.262	4-1/2"	2-7/8"	66.41	63.53	60.64
77741		.4062	13/32"	10.317	3-5/16"	1-15/16"	65.18	62.35	59.51
	89741	.4062	13/32"	10.317	4-1/2"	2-7/8"	68.44	65.46	62.49
77746		.4130	Z	10.490	3-3/8"	2"	65.76	62.90	60.04
	89746	.4130	Z	10.490	4-1/2"	2-7/8"	69.07	66.07	63.06
77751		.4134		10.500	86	51	65.76	62.90	60.04
	89751	.4134		10.500	114	73	69.07	66.07	63.06
77756		.4219	27/64"	10.716	3-3/8"	2"	66.39	63.50	60.62
	89756	.4219	27/64"	10.716	4-1/2"	2-7/8"	69.71	66.68	63.65
77761		.4331		11.000	87	52	71.27	68.17	65.07
	89761	.4331		11.000	114	73	74.78	71.53	68.28
77766		.4375	7/16"	11.113	3-7/16"	2-1/16"	71.27	68.17	65.07
	89766	.4375	7/16"	11.113	4-1/2"	2-7/8"	74.78	71.53	68.28
77771		.4528		11.500	91	54	76.50	73.17	69.85
	89771	.4528		11.500	120	76	80.24	76.75	73.26
77776		.4531	29/64"	11.509	3-9/16"	2-1/8"	76.50	73.17	69.85
	89776	.4531	29/64"	11.509	4-3/4"	3"	80.24	76.75	73.26
77781		.4688	15/32"	11.908	3-5/8"	2-1/8"	80.37	76.88	73.38
	89781	.4688	15/32"	11.908	4-3/4"	3"	84.26	80.60	76.93
77786		.4724		12.000	94	56	80.62	77.11	73.61
	89786	.4724		12.000	120	76	84.51	80.84	77.16
77791		.4844	31/64"	12.304	3-11/16"	2-3/16"	81.17	77.64	74.11
	89791	.4844	31/64"	12.304	4-3/4"	3"	84.51	80.84	77.16
77796		.4921		12.500	95	56	81.96	78.40	74.83
	89796	.4921		12.500	120	76	86.48	82.72	78.96
77801		.5000	1/2"	12.700	3-3/4"	2-1/4"	82.49	78.90	75.32
	89801	.5000	1/2"	12.700	4-3/4"	3"	86.48	82.72	78.96
NEW 77806		.5118		13.000	107	60	104.97	100.41	95.84
	89806	.5118		13.000	127	83	108.84	104.10	99.37
NEW 77811		.5156	33/64"	13.096	4-1/4"	2-3/8"	107.43	102.76	98.09
	89811	.5156	33/64"	13.096	5"	3-1/4"	111.39	106.55	101.70
NEW 77816		.5312	17/32"	13.492	4-1/4"	2-3/8"	109.88	105.10	100.32
	89816	.5312	17/32"	13.492	5"	3-1/4"	113.95	109.00	104.04
NEW 77821		.5315		13.500	107	60	112.34	107.46	102.57
	89821	.5315		13.500	127	83	116.51	111.44	106.38

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"	114.80	109.81	104.82	99.83
		89826	.5469	35/64"	13.891	5"	3-1/4"	119.06	113.88	108.71	103.53
NEW	77831		.5512		14.000	107	60	117.27	112.17	107.07	101.97
		89831	.5512		14.000	127	83	121.65	116.36	111.07	105.78
NEW	77836		.5625	9/16"	14.287	4-1/2"	2-1/2"	126.67	121.16	115.65	110.15
		89836	.5625	9/16"	14.287	5"	3-1/4"	131.43	125.72	120.00	114.29
NEW	77841		.5709		14.500	115	65	129.04	123.43	117.82	112.21
		89841	.5709		14.500	127	83	133.88	128.06	122.24	116.42
NEW	77846		.5781	37/64"	14.683	4-1/2"	2-1/2"	131.40	125.69	119.97	114.26
		89846	.5781	37/64"	14.683	5-1/4"	3-1/2"	136.37	130.44	124.51	118.58
NEW	77851		.5906		15.000	115	65	133.81	127.99	122.17	116.36
		89851	.5906		15.000	133	89	138.85	132.81	126.78	120.74
NEW	77856		.5938	19/32"	15.082	4-1/2"	2-1/2"	134.50	128.65	122.80	116.96
		89856	.5938	19/32"	15.082	5-1/4"	3-1/2"	139.60	133.53	127.46	121.39
NEW	77861		.6094	39/64"	15.478	4-1/2"	2-1/2"	135.17	129.29	123.42	117.54
		89861	.6094	39/64"	15.478	5-1/4"	3-1/2"	140.29	134.19	128.09	121.99
NEW	77866		.6102		15.500	115	65	135.86	129.95	124.05	118.14
		89866	.6102		15.500	133	89	141.01	134.88	128.75	122.62
NEW	77871		.6250	5/8"	15.875	4-1/2"	2-1/2"	136.54	130.60	124.67	118.73
		89871	.6250	5/8"	15.875	5-1/4"	3-1/2"	141.73	135.56	129.40	123.24
NEW	77876		.6299		16.000	115	65	139.83	133.75	127.67	121.59
		89876	.6299		16.000	133	89	145.14	138.83	132.52	126.21

