

Series 1100H

.1094" - .2165"
(2.779mm - 5.500mm)



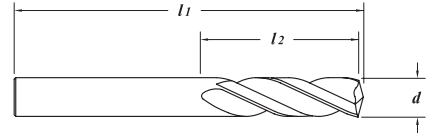
TOLERANCES

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)

Recommended for cast iron, tungsten, and materials with high silicon content

Hardlube Coating

- Solid submicron grain carbide drill
- Self-centering drill point
- Near reamer finishes
- Can be used as a core drill
- Excellent heat resistance and lubricity
- Tighter tolerance holes
- Improved roundness and straightness
- Live tooling recommended on lathe processes
- Uncoated - page 84



EDP#	d †		l_1	l_2	1-11	12-24	25-49	50-100	
	Decimal	Diameter Metric							
90276	.1094	7/64"	2.779	2-1/4"	1-1/4"	15.27	14.61	13.94	13.28
90281	.1100	#35	2.794	2-1/4"	1-1/4"	15.43	14.76	14.09	13.42
90291	.1130	#33	2.870	2-1/4"	1-1/4"	15.84	15.15	14.46	13.77
90296	.1160	#32	2.946	2-1/4"	1-1/4"	15.99	15.29	14.60	13.90
90301	.1181		3.000	57	32	16.12	15.42	14.72	14.02
90306	.1200	#31	3.048	2-1/4"	1-1/4"	16.23	15.52	14.82	14.11
90311	.1250	1/8"	3.175	2-1/4"	1-1/4"	16.39	15.68	14.96	14.25
90316	.1285	#30	3.264	2-1/4"	1-1/4"	16.74	16.02	15.29	14.56
90321	.1360	#29	3.454	2-1/2"	1-3/8"	17.23	16.48	15.73	14.98
90326	.1378		3.500	63	35	17.70	16.93	16.16	15.39
90331	.1405	#28	3.569	2-1/2"	1-3/8"	17.89	17.12	16.34	15.56
90336	.1406	9/64"	3.571	2-1/2"	1-3/8"	18.06	17.27	16.49	15.70
90341	.1440	#27	3.658	2-1/2"	1-3/8"	18.70	17.89	17.07	16.26
90346	.1470	#26	3.734	2-1/2"	1-3/8"	18.91	18.08	17.26	16.44
90351	.1495	#25	3.797	2-1/2"	1-3/8"	19.08	18.25	17.42	16.59
90356	.1520	#24	3.861	2-1/2"	1-3/8"	19.10	18.27	17.44	16.61
90361	.1540	#23	3.912	2-1/2"	1-3/8"	19.26	18.43	17.59	16.75
90366	.1562	5/32"	3.967	2-1/2"	1-3/8"	19.34	18.50	17.66	16.82
90371	.1570	#22	3.988	2-1/2"	1-3/8"	20.45	19.56	18.67	17.78
90376	.1575		4.000	63	35	20.45	19.56	18.67	17.78
90381	.1590	#21	4.039	2-1/2"	1-3/8"	20.90	19.99	19.08	18.17
90386	.1610	#20	4.089	2-1/2"	1-3/8"	20.90	19.99	19.08	18.17
90391	.1660	#19	4.216	2-3/4"	1-5/8"	21.02	20.11	19.19	18.28
90396	.1695	#18	4.305	2-3/4"	1-5/8"	21.15	20.23	19.31	18.39
90401	.1719	11/64"	4.366	2-3/4"	1-5/8"	21.26	20.34	19.41	18.49
90406	.1730	#17	4.394	2-3/4"	1-5/8"	22.14	21.18	20.21	19.25
90411	.1770	#16	4.496	2-3/4"	1-5/8"	22.38	21.41	20.43	19.46
90416	.1772		4.500	70	41	22.47	21.49	20.52	19.54
90421	.1800	#15	4.572	2-3/4"	1-5/8"	22.59	21.60	20.62	19.64
90426	.1820	#14	4.623	2-3/4"	1-5/8"	23.03	22.03	21.03	20.03
90431	.1850	#13	4.700	2-3/4"	1-5/8"	23.14	22.13	21.13	20.12
90436	.1875	3/16"	4.763	2-3/4"	1-5/8"	23.14	22.13	21.13	20.12
90441	.1890	#12	4.801	2-3/4"	1-5/8"	24.76	23.68	22.61	21.53
90446	.1910	#11	4.851	2-3/4"	1-5/8"	24.98	23.89	22.81	21.72
90451	.1935	#10	4.915	2-3/4"	1-5/8"	26.01	24.88	23.75	22.62
90456	.1960	#9	4.978	3"	1-3/4"	26.57	25.41	24.26	23.10
90461	.1969		5.000	76	44	26.69	25.53	24.37	23.21
90466	.1990	#8	5.055	3"	1-3/4"	26.85	25.69	24.52	23.35
90471	.2010	#7	5.105	3"	1-3/4"	27.57	26.37	25.17	23.97
90476	.2031	13/64"	5.159	3"	1-3/4"	28.47	27.24	26.00	24.76
90481	.2040	#6	5.182	3"	1-3/4"	28.64	27.39	26.15	24.90
90486	.2055	#5	5.220	3"	1-3/4"	28.75	27.50	26.25	25.00
90491	.2090	#4	5.309	3"	1-3/4"	29.19	27.92	26.65	25.38
90496	.2130	#3	5.410	3"	1-3/4"	29.64	28.35	27.06	25.77
90501	.2165		5.500	76	44	29.83	28.53	27.24	25.94

EDP#	d^{\dagger} Diameter		l_1 Overall Length	l_2 Flute Length	1-11	12-24	25-49	50-100	
	Decimal	Metric							
90506	.2188	7/32"	5.558	3"	1-3/4"	30.03	28.72	27.42	26.11
90511	.2210	#2	5.613	3"	1-3/4"	30.67	29.34	28.00	26.67
90516	.2280	#1	5.791	3"	1-3/4"	30.82	29.48	28.14	26.80
90521	.2340	A	5.944	3-1/4"	2"	31.25	29.89	28.53	27.17
90526	.2344	15/64"	5.954	3-1/4"	2"	31.35	29.99	28.62	27.26
90531	.2362		6.000	82	50	31.44	30.07	28.71	27.34
90536	.2380	B	6.045	3-1/4"	2"	31.56	30.18	28.81	27.44
90541	.2420	C	6.147	3-1/4"	2"	31.74	30.36	28.98	27.60
90546	.2460	D	6.248	3-1/4"	2"	31.96	30.57	29.18	27.79
90551	.2500	1/4" / E	6.350	3-1/4"	2"	32.14	30.75	29.35	27.95
90556	.2559		6.500	82	50	35.85	34.29	32.73	31.17
90561	.2570	F	6.528	3-1/4"	2"	36.44	34.86	33.27	31.69
90566	.2610	G	6.629	3-1/2"	2-1/8"	38.01	36.36	34.70	33.05
90571	.2656	17/64"	6.746	3-1/2"	2-1/8"	38.63	36.95	35.27	33.59
90576	.2660	H	6.756	3-1/2"	2-1/8"	39.55	37.83	36.11	34.39
90581	.2720	I	6.909	3-1/2"	2-1/8"	39.97	38.24	36.50	34.76
90586	.2756		7.000	88	54	40.19	38.45	36.70	34.95
90591	.2770	J	7.036	3-1/2"	2-1/8"	40.51	38.75	36.99	35.23
90596	.2810	K	7.137	3-1/2"	2-1/8"	40.81	39.04	37.26	35.49
90601	.2812	9/32"	7.142	3-1/2"	2-1/8"	42.03	40.21	38.38	36.55
90606	.2900	L	7.366	3-1/2"	2-1/8"	43.36	41.47	39.59	37.70
90611	.2950	M	7.493	3-3/4"	2-3/8"	45.61	43.63	41.64	39.66
90616	.2953		7.500	95	60	45.61	43.63	41.64	39.66
90621	.2969	19/64"	7.541	3-3/4"	2-3/8"	45.61	43.63	41.64	39.66
90626	.3020	N	7.671	3-3/4"	2-3/8"	45.91	43.91	41.92	39.92
90631	.3125	5/16"	7.938	3-3/4"	2-3/8"	45.94	43.95	41.95	39.95
90636	.3150		8.000	95	60	48.82	46.70	44.57	42.45
90641	.3160	O	8.026	3-3/4"	2-3/8"	48.82	46.70	44.57	42.45
90646	.3230	P	8.204	3-3/4"	2-3/8"	48.82	46.70	44.57	42.45
90651	.3281	21/64"	8.334	4"	2-1/2"	50.78	48.58	46.37	44.16
90656	.3320	Q	8.433	4"	2-1/2"	51.83	49.58	47.32	45.07
90661	.3346		8.500	101	63	52.22	49.95	47.68	45.41
90666	.3390	R	8.611	4"	2-1/2"	53.66	51.33	48.99	46.66
90671	.3438	11/32"	8.733	4"	2-1/2"	55.58	53.16	50.75	48.33
90676	.3480	S	8.839	4"	2-1/2"	59.00	56.43	53.87	51.30
90681	.3543		9.000	101	63	59.34	56.76	54.18	51.60
90691	.3594	23/64"	9.129	4-1/4"	2-3/4"	61.80	59.11	56.43	53.74
90696	.3680	U	9.347	4-1/4"	2-3/4"	65.33	62.49	59.65	56.81
90701	.3740		9.500	107	70	66.27	63.39	60.51	57.63
90706	.3750	3/8"	9.525	4-1/4"	2-3/4"	66.27	63.39	60.51	57.63
90711	.3770	V	9.576	4-1/4"	2-3/4"	68.95	65.96	62.96	59.96
90716	.3860	W	9.804	4-1/2"	2-7/8"	72.73	69.56	66.40	63.24
90721	.3906	25/64"	9.921	4-1/2"	2-7/8"	73.63	70.43	67.23	64.03
90726	.3937		10.000	114	73	75.91	72.61	69.31	66.01
90736	.4040	Y	10.262	4-1/2"	2-7/8"	78.40	74.99	71.58	68.17
90741	.4062	13/32"	10.317	4-1/2"	2-7/8"	80.86	77.34	73.83	70.31
90746	.4130	Z	10.490	4-1/2"	2-7/8"	81.57	78.02	74.48	70.93
90751	.4134		10.500	114	73	81.57	78.02	74.48	70.93
90756	.4219	27/64"	10.716	4-1/2"	2-7/8"	82.39	78.80	75.22	71.64
90761	.4331		11.000	114	73	88.54	84.69	80.84	76.99
90766	.4375	7/16"	11.113	4-1/2"	2-7/8"	88.54	84.69	80.84	76.99
90771	.4528		11.500	120	76	95.19	91.05	86.91	82.77
90776	.4531	29/64"	11.509	4-3/4"	3"	95.19	91.05	86.91	82.77
90781	.4688	15/32"	11.908	4-3/4"	3"	100.08	95.73	91.38	87.03
90786	.4724		12.000	120	76	100.36	96.00	91.63	87.27
90791	.4844	31/64"	12.304	4-3/4"	3"	100.36	96.00	91.63	87.27
90796	.4921		12.500	120	76	102.76	98.30	93.83	89.36
90801	.5000	1/2"	12.700	4-3/4"	3"	102.76	98.30	93.83	89.36