

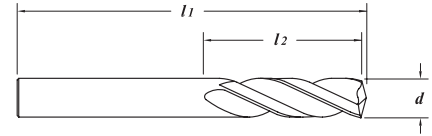
Series 1100

.1094" - .2040"
(2.779mm - 5.182mm)



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)

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



- Solid submicron grain carbide drill
- Self-centering drill point
- Near reamer finishes
- Can be used as a core drill
- Tighter tolerance holes
- Improved roundness and straightness
- Live tooling recommended on lathe processes
- Hardlube Coating - page 86

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							
90275	.1094	7/64"	2.779	2-1/4"	1-1/4"	13.27	12.69	12.12	11.54
90280	.1100	#35	2.794	2-1/4"	1-1/4"	13.41	12.83	12.24	11.66
90285	.1110	#34	2.819	2-1/4"	1-1/4"	13.58	12.99	12.40	11.81
90290	.1130	#33	2.870	2-1/4"	1-1/4"	13.80	13.20	12.60	12.00
90295	.1160	#32	2.946	2-1/4"	1-1/4"	13.98	13.38	12.77	12.16
90300	.1181		3.000	57	32	14.09	13.48	12.86	12.25
90305	.1200	#31	3.048	2-1/4"	1-1/4"	14.19	13.57	12.96	12.34
90310	.1250	1/8"	3.175	2-1/4"	1-1/4"	14.39	13.76	13.14	12.51
90315	.1285	#30	3.264	2-1/4"	1-1/4"	14.73	14.09	13.45	12.81
90320	.1360	#29	3.454	2-1/2"	1-3/8"	15.19	14.53	13.87	13.21
90325	.1378		3.500	63	35	15.67	14.99	14.31	13.63
90330	.1405	#28	3.569	2-1/2"	1-3/8"	15.86	15.17	14.48	13.79
90335	.1406	9/64"	3.571	2-1/2"	1-3/8"	16.03	15.33	14.64	13.94
90340	.1440	#27	3.658	2-1/2"	1-3/8"	16.68	15.95	15.23	14.50
90345	.1470	#26	3.734	2-1/2"	1-3/8"	16.91	16.17	15.44	14.70
90350	.1495	#25	3.797	2-1/2"	1-3/8"	17.05	16.31	15.57	14.83
90355	.1520	#24	3.861	2-1/2"	1-3/8"	17.09	16.35	15.60	14.86
90365	.1562	5/32"	3.967	2-1/2"	1-3/8"	17.32	16.57	15.81	15.06
90375	.1575		4.000	63	35	18.41	17.61	16.81	16.01
90380	.1590	#21	4.039	2-1/2"	1-3/8"	18.85	18.03	17.21	16.39
90385	.1610	#20	4.089	2-1/2"	1-3/8"	18.85	18.03	17.21	16.39
90390	.1660	#19	4.216	2-3/4"	1-5/8"	19.01	18.18	17.36	16.53
90395	.1695	#18	4.305	2-3/4"	1-5/8"	19.12	18.29	17.46	16.63
90400	.1719	11/64"	4.366	2-3/4"	1-5/8"	19.25	18.41	17.58	16.74
90420	.1800	#15	4.572	2-3/4"	1-5/8"	20.55	19.66	18.76	17.87
90425	.1820	#14	4.623	2-3/4"	1-5/8"	21.01	20.10	19.18	18.27
90435	.1875	3/16"	4.763	2-3/4"	1-5/8"	21.14	20.22	19.30	18.38
90440	.1890	#12	4.801	2-3/4"	1-5/8"	21.29	20.36	19.44	18.51
90455	.1960	#9	4.978	3"	1-3/4"	23.09	22.09	21.08	20.08
90460	.1969		5.000	76	44	23.23	22.22	21.21	20.20
90470	.2010	#7	5.105	3"	1-3/4"	24.10	23.06	22.01	20.96
90475	.2031	13/64"	5.159	3"	1-3/4"	25.01	23.93	22.84	21.75
90480	.2040	#6	5.182	3"	1-3/4"	25.16	24.07	22.97	21.88

EDP#	d^{\dagger}		l_1	l_2	1-11	12-24	25-49	50-100	
	Decimal	Diameter							Metric
90485	.2055	#5	5.220	3"	1-3/4"	25.28	24.18	23.08	21.98
90500	.2165		5.500	76	44	26.36	25.21	24.07	22.92
90505	.2188	7/32"	5.558	3"	1-3/4"	26.58	25.42	24.27	23.11
90510	.2210	#2	5.613	3"	1-3/4"	27.22	26.04	24.85	23.67
90515	.2280	#1	5.791	3"	1-3/4"	27.36	26.17	24.98	23.79
90525	.2344	15/64"	5.954	3-1/4"	2"	27.77	26.57	25.36	24.15
90530	.2362		6.000	82	50	27.85	26.64	25.43	24.22
90550	.2500	1/4" / E	6.350	3-1/4"	2"	28.57	27.32	26.08	24.84
90555	.2559		6.500	82	50	29.27	28.00	26.72	25.45
90560	.2570	F	6.528	3-1/4"	2"	29.89	28.59	27.29	25.99
90565	.2610	G	6.629	3-1/2"	2-1/8"	31.44	30.07	28.71	27.34
90570	.2656	17/64"	6.746	3-1/2"	2-1/8"	32.06	30.67	29.27	27.88
90575	.2660	H	6.756	3-1/2"	2-1/8"	32.98	31.55	30.11	28.68
90580	.2720	I	6.909	3-1/2"	2-1/8"	33.38	31.93	30.48	29.03
90585	.2756		7.000	88	54	33.63	32.16	30.70	29.24
90600	.2812	9/32"	7.142	3-1/2"	2-1/8"	35.45	33.91	32.37	30.83
90605	.2900	L	7.366	3-1/2"	2-1/8"	36.77	35.17	33.57	31.97
90620	.2969	19/64"	7.541	3-3/4"	2-3/8"	39.04	37.35	35.65	33.95
90625	.3020	N	7.671	3-3/4"	2-3/8"	39.33	37.62	35.91	34.20
90630	.3125	5/16"	7.938	3-3/4"	2-3/8"	39.38	37.66	35.95	34.24
90635	.3150		8.000	95	60	42.25	40.41	38.58	36.74
90640	.3160	O	8.026	3-3/4"	2-3/8"	42.25	40.41	38.58	36.74
90650	.3281	21/64"	8.334	4"	2-1/2"	44.19	42.27	40.35	38.43
90655	.3320	Q	8.433	4"	2-1/2"	45.24	43.27	41.31	39.34
90660	.3346		8.500	101	63	45.64	43.66	41.67	39.69
90665	.3390	R	8.611	4"	2-1/2"	47.06	45.01	42.97	40.92
90670	.3438	11/32"	8.733	4"	2-1/2"	49.02	46.89	44.76	42.63
90680	.3543		9.000	101	63	50.99	48.77	46.56	44.34
90690	.3594	23/64"	9.129	4-1/4"	2-3/4"	51.83	49.58	47.32	45.07
90705	.3750	3/8"	9.525	4-1/4"	2-3/4"	56.28	53.83	51.39	48.94
90725	.3937		10.000	114	73	65.42	62.58	59.73	56.89
90745	.4130	Z	10.490	4-1/2"	2-7/8"	71.07	67.98	64.89	61.80
90755	.4219	27/64"	10.716	4-1/2"	2-7/8"	71.88	68.75	65.63	62.50
90760	.4331		11.000	114	73	78.04	74.65	71.25	67.86
90765	.4375	7/16"	11.113	4-1/2"	2-7/8"	78.04	74.65	71.25	67.86
90775	.4531	29/64"	11.509	4-3/4"	3"	84.69	81.00	77.32	73.64
90780	.4688	15/32"	11.908	4-3/4"	3"	89.59	85.69	81.80	77.90
90790	.4844	31/64"	12.304	4-3/4"	3"	89.86	85.95	82.05	78.14
90800	.5000	1/2"	12.700	4-3/4"	3"	92.23	88.22	84.21	80.20