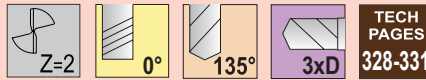


TOLERANCES

<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)



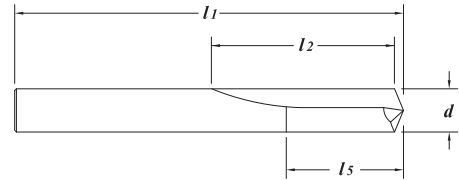
Series 1500

.0625" - .1660"
(1.588mm - 4.216mm)

Recommended for high nickel, cobalt-based, and powdered metals

Hard Metal

- Solid submicron grain carbide drill
- Straight flute design provides excellent rigidity
- Materials 40 Rc and higher
- Live tooling recommended on lathe processes
- Durana Coating - page 63



EDP#	<i>d</i> † Diameter		<i>l1</i> Overall Length	<i>l2</i> Flute Length	<i>l5</i> Max Drill Depth	
	Decimal	Metric				
59165	.0625	1/16"	1.588	1-3/4"	5/8"	.200"
59180	.0700	#50	1.778	1-3/4"	3/4"	.224"
59185	.0730	#49	1.854	1-3/4"	3/4"	.234"
59190	.0760	#48	1.930	1-3/4"	3/4"	.244"
59195	.0781	5/64"	1.984	1-3/4"	3/4"	.250"
59200	.0785	#47	1.994	1-3/4"	7/8"	.252"
39000	.0787		2.000	50	22	6
59210	.0810	#46	2.057	2"	7/8"	.260"
59215	.0820	#45	2.083	2"	7/8"	.263"
59220	.0860	#44	2.184	2"	7/8"	.276"
59225	.0890	#43	2.261	2"	7/8"	.285"
59230	.0935	#42	2.375	2"	7/8"	.300"
59235	.0938	3/32"	2.383	2"	7/8"	.301"
59240	.0960	#41	2.438	2"	7/8"	.308"
59245	.0980	#40	2.489	2"	7/8"	.314"
39050	.0984		2.500	50	22	8
59255	.0995	#39	2.527	2"	7/8"	.319"
59260	.1015	#38	2.578	2"	7/8"	.326"
59265	.1040	#37	2.642	2"	7/8"	.334"
59270	.1065	#36	2.705	2"	7/8"	.342"
59275	.1094	7/64"	2.779	2"	1"	.351"
59280	.1100	#35	2.794	2"	1"	.353"
59290	.1130	#33	2.870	2"	1"	.362"
59295	.1160	#32	2.946	2"	1"	.372"
39100	.1181		3.000	50	25	10
59305	.1200	#31	3.048	2"	1"	.385"
59310	.1250	1/8"	3.175	2"	1"	.401"
59315	.1285	#30	3.264	2"	1"	.412"
59320	.1360	#29	3.454	2"	1"	.436"
39150	.1378		3.500	50	25	11
59330	.1405	#28	3.569	2"	1"	.451"
59335	.1406	9/64"	3.571	2"	1"	.451"
59340	.1440	#27	3.658	2"	1"	.462"
59345	.1470	#26	3.734	2"	1"	.471"
59350	.1495	#25	3.797	2"	1"	.479"
59355	.1520	#24	3.861	2"	1"	.487"
59360	.1540	#23	3.912	2"	1"	.494"
59365	.1562	5/32"	3.967	2-1/2"	1-1/8"	.501"
59370	.1570	#22	3.988	2-1/2"	1-1/8"	.504"
39200	.1575		4.000	63	28	13
59380	.1590	#21	4.039	2-1/2"	1-1/8"	.510"
59385	.1610	#20	4.089	2-1/2"	1-1/8"	.516"
59390	.1660	#19	4.216	2-1/2"	1-1/8"	.532"

continued →

Series 1500 (continued)

.1695" - .5000"
(4.305mm - 12.700mm)

EDP#	d † Diameter		l_1 Overall Length	l_2 Flute Length	l_5 Max Drill Depth	
	Decimal	Metric				
59395	.1695	#18	4.305	2-1/2"	1-3/16"	.544"
59400	.1719	11/64"	4.366	2-1/2"	1-3/16"	.551"
59405	.1730	#17	4.394	2-1/2"	1-3/16"	.555"
59410	.1770	#16	4.496	2-1/2"	1-3/16"	.568"
39250	.1772		4.500	63	28	14
59420	.1800	#15	4.572	2-1/2"	1-3/16"	.577"
59425	.1820	#14	4.623	2-1/2"	1-3/16"	.584"
59430	.1850	#13	4.700	2-1/2"	1-3/16"	.593"
59435	.1875	3/16"	4.763	2-1/2"	1-3/16"	.601"
59440	.1890	#12	4.801	2-1/2"	1-3/16"	.606"
59445	.1910	#11	4.851	2-1/2"	1-3/16"	.613"
59450	.1935	#10	4.915	2-1/2"	1-1/4"	.621"
59455	.1960	#9	4.978	2-1/2"	1-1/4"	.629"
39300	.1969		5.000	63	32	16
59465	.1990	#8	5.055	2-1/2"	1-1/4"	.638"
59470	.2010	#7	5.105	2-1/2"	1-1/4"	.645"
59475	.2031	13/64"	5.159	2-1/2"	1-1/4"	.651"
59485	.2055	#5	5.220	2-1/2"	1-1/4"	.659"
59490	.2090	#4	5.309	2-1/2"	1-1/4"	.670"
59495	.2130	#3	5.410	2-1/2"	1-1/4"	.683"
39350	.2165		5.500	63	32	18
59505	.2188	7/32"	5.558	2-1/2"	1-1/2"	.702"
59510	.2210	#2	5.613	2-1/2"	1-1/2"	.709"
59515	.2280	#1	5.791	2-1/2"	1-1/2"	.731"
59525	.2344	15/64"	5.954	2-1/2"	1-1/2"	.752"
39400	.2362		6.000	63	38	19
59550	.2500	1/4"	6.350	2-1/2"	1-1/2"	.802"
59570	.2656	17/64"	6.746	2-1/2"	1-1/2"	.852"
39500	.2756		7.000	63	38	22
59600	.2812	9/32"	7.142	2-1/2"	1-1/2"	.902"
39520	.2953		7.500	63	41	24
59620	.2969	19/64"	7.541	2-1/2"	1-5/8"	.952"
59630	.3125	5/16"	7.938	2-1/2"	1-5/8"	1.002"
39540	.3150		8.000	63	41	26
59650	.3281	21/64"	8.334	3"	1-5/8"	1.052"
39560	.3346		8.500	76	41	27
59670	.3438	11/32"	8.733	3"	1-5/8"	1.103"
39580	.3543		9.000	76	41	29
59690	.3594	23/64"	9.129	3"	1-3/4"	1.153"
59705	.3750	3/8"	9.525	3"	1-3/4"	1.203"
59720	.3906	25/64"	9.921	3"	1-3/4"	1.253"
39620	.3937		10.000	76	44	32
59740	.4062	13/32"	10.317	3"	1-3/4"	1.303"
59755	.4219	27/64"	10.716	3"	1-3/4"	1.353"
39660	.4331		11.000	76	44	35
59765	.4375	7/16"	11.113	3"	1-3/4"	1.403"
59775	.4531	29/64"	11.509	3"	1-3/4"	1.453"
59780	.4688	15/32"	11.908	3"	1-3/4"	1.503"
39700	.4724		12.000	76	44	38
59790	.4844	31/64"	12.304	3"	1-3/4"	1.554"
39720	.4921		12.500	76	44	40
59800	.5000	1/2"	12.700	3"	1-3/4"	1.604"