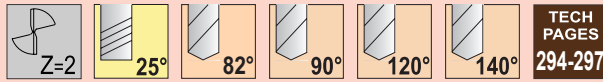
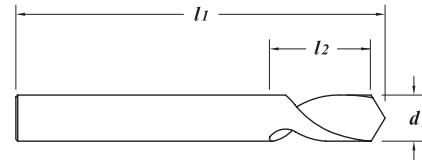


TOLERANCES	
<i>d</i>	+0.000" -0.005" (+0.000 -0.127mm)
<i>l₁</i>	+0.125" -0.125" (+3.175 -3.175mm)



N/C Spotting

- Solid submicron grain carbide drill
- For spotting to stabilize long drills
- Rough, angled or spherical surfaces
- No O.D. clearance
- For locating on true position
- Live tooling recommended on lathe processes



82° EDP#	90° EDP#	120° EDP#	140° 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						
91650	91500	91572	91240	.0787	2.000	50	10	9.43	9.02	8.61	8.20
91652	91505	91575	91245	.0938	3/32"	2"	3/8"	10.68	10.22	9.75	9.29
-	91510	91580	91250	.1181	3.000	50	10	12.58	12.03	11.49	10.94
91656	91000	91100	91260	.1250	1/8"	2"	3/8"	12.58	12.03	11.49	10.94
91658	91520	91590	91270	.1575	4.000	50	12	16.46	15.74	15.03	14.31
91660	91010	91110	91280	.1875	3/16"	3"	3/4"	16.46	15.74	15.03	14.31
-	91530	91600	91290	.1969	5.000	65	15	17.30	16.54	15.79	15.04
91664	91540	91610	91300	.2362	6.000	65	20	19.54	18.69	17.84	16.99
91666	91020	91120	91310	.2500	1/4"	3"	3/4"	19.54	18.69	17.84	16.99
91668	91025	91125	91315	.3125	5/16"	3"	1"	23.63	22.61	21.58	20.55
91670	91550	91620	91320	.3150	8.000	75	25	23.63	22.61	21.58	20.55
91672	91030	91130	91330	.3750	3/8"	3"	1"	25.63	24.52	23.40	22.29
-	91560	91630	91340	.3937	10.000	88	25	35.36	33.83	32.29	30.75
91676	91565	91635	91345	.4375	7/16"	4"	1"	39.48	37.76	36.05	34.33
-	91570	91640	91350	.4724	12.000	100	30	42.50	40.66	38.81	36.96
91680	91040	91140	91360	.5000	1/2"	4"	1"	44.21	42.28	40.36	38.44
-	91050	91170	91370	.5512	14.000	100	30	76.18	72.86	69.55	66.24
91684	91060	91180	91380	.5625	9/16"	4"	1"	83.06	79.45	75.84	72.23
91686	91070	91190	91390	.6250	5/8"	5"	1"	101.91	97.48	93.05	88.62
91688	91080	91200	91400	.6299	16.000	125	30	104.64	100.09	95.54	90.99
91690	91090	91210	-	.7087	18.000	125	30	143.54	137.30	131.06	124.82
91692	91150	91220	91420	.7500	3/4"	5"	1"	147.44	141.03	134.62	128.21
-	91160	91230	91430	.7874	20.000	125	30	159.63	152.69	145.75	138.81