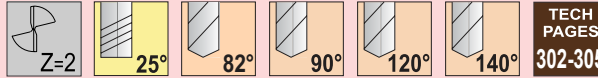


**NEW
ITEMS**

Series 1600

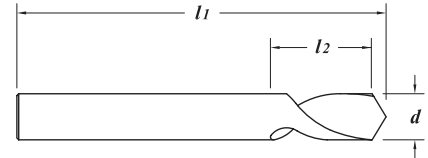
.0787" - .3750"
(2.000mm - 9.525mm)



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
- Can be used for chamfering
- 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	
					Decimal	Metric			
	91650	91500	91572	91240	.0787	2.000	50	10	
	91652	91505	91575	91245	.0938	3/32"	2"	3/8"	
NEW	-	91507	-	-	.1181	3.000	38	6	
	-	91510	91580	91250	.1181	3.000	50	10	
NEW	-	91512	-	-	.1181	3.000	75	10	
NEW	-	91514	-	-	.1250	1/8"	3.175	1-1/2"	1/4"
	91656	91000	91100	91260	.1250	1/8"	3.175	2"	3/8"
NEW	-	91002	-	-	.1250	1/8"	3.175	3"	3/8"
	91658	91520	91590	91270	.1575	4.000	50	12	
NEW	-	91522	-	-	.1875	3/16"	4.763	2"	3/8"
NEW	-	91524	-	-	.1875	3/16"	4.763	2-1/2"	1/2"
	91660	91010	91110	91280	.1875	3/16"	4.763	3"	3/4"
NEW	-	91012	-	-	.1875	3/16"	4.763	4"	3/4"
NEW	-	91014	-	-	.1969	5.000	50	10	
	-	91530	91600	91290	.1969	5.000	65	15	
NEW	-	91532	-	-	.1969	5.000	75	15	
NEW	-	91534	-	-	.2362	6.000	50	12	
	91664	91540	91610	91300	.2362	6.000	65	20	
NEW	-	91542	-	-	.2362	6.000	75	20	
NEW	-	91544	-	-	.2362	6.000	100	20	
NEW	-	91546	-	-	.2500	1/4"	6.350	2"	1/2"
NEW	-	91547	-	-	.2500	1/4"	6.350	2-1/2"	5/8"
	91666	91020	91120	91310	.2500	1/4"	6.350	3"	3/4"
NEW	-	91021	-	-	.2500	1/4"	6.350	4"	3/4"
NEW	-	91022	-	-	.2500	1/4"	6.350	6"	3/4"
NEW	-	91023	-	-	.3125	5/16"	7.938	2"	1/2"
NEW	-	91024	-	-	.3125	5/16"	7.938	2-1/2"	5/8"
	91668	91025	91125	91315	.3125	5/16"	7.938	3"	1"
NEW	-	91026	-	-	.3125	5/16"	7.938	4"	1"
NEW	-	91548	-	-	.3150	8.000	50	12	
NEW	-	91549	-	-	.3150	8.000	65	16	
	91670	91550	91620	91320	.3150	8.000	75	25	
NEW	-	91551	-	-	.3150	8.000	100	25	
NEW	-	91028	-	-	.3750	3/8"	9.525	2"	1/2"
NEW	-	91029	-	-	.3750	3/8"	9.525	2-1/2"	5/8"
	91672	91030	91130	91330	.3750	3/8"	9.525	3"	1"
NEW	-	91031	-	-	.3750	3/8"	9.525	4"	1"
NEW	-	91032	-	-	.3750	3/8"	9.525	6"	1"

Series 1600 (continued)

.3937" - .7874"
(10.000mm - 20.000mm)

DRILLS

	82° EDP#	90° EDP#	120° EDP#	140° EDP#	d^{\dagger} Diameter		l_1 Overall Length	l_2 Flute Length	
					Decimal	Metric			
NEW	-	91558	-	-	.3937	10.000	65	16	
NEW	-	91559	-	-	.3937	10.000	70	20	
	-	91560	91630	91340	.3937	10.000	88	25	
NEW	-	91561	-	-	.3937	10.000	100	25	
NEW	-	91564	-	-	.4375	7/16"	11.113	2-3/4"	3/4"
	91676	91565	91635	91345	.4375	7/16"	11.113	4"	1"
NEW	-	91568	-	-	.4724	12.000	65	16	
NEW	-	91569	-	-	.4724	12.000	75	20	
	-	91570	91640	91350	.4724	12.000	100	30	
NEW	-	91038	-	-	.5000	1/2"	12.700	2-1/2"	5/8"
NEW	-	91039	-	-	.5000	1/2"	12.700	3"	3/4"
	91680	91040	91140	91360	.5000	1/2"	12.700	4"	1"
NEW	-	91041	-	-	.5000	1/2"	12.700	6"	1"
	-	91050	91170	91370	.5512	14.000	100	30	
	91684	91060	91180	-	.5625	9/16"	14.287	4"	1"
NEW	-	91067	-	-	.6250	5/8"	15.875	3"	3/4"
NEW	-	91068	-	-	.6250	5/8"	15.875	3-1/2"	1"
NEW	-	91069	-	-	.6250	5/8"	15.875	4"	1"
	91686	91070	91190	91390	.6250	5/8"	15.875	5"	1"
NEW	-	91077	-	-	.6299	16.000	75	20	
NEW	-	91078	-	-	.6299	16.000	88	25	
NEW	-	91079	-	-	.6299	16.000	100	25	
	91688	91080	91200	91400	.6299	16.000	125	30	
	91690	91090	91210	-	.7087	18.000	125	30	
NEW	-	91148	-	-	.7500	3/4"	19.050	3"	3/4"
NEW	-	91149	-	-	.7500	3/4"	19.050	4"	1"
	91692	91150	91220	91420	.7500	3/4"	19.050	5"	1"
NEW	-	91159	-	-	.7874	20.000	100	25	
	-	91160	91230	91430	.7874	20.000	125	30	
NEW	-	91161	-	-	.7874	20.000	150	30	