Series 4100

.0590" - .0820"
(1.499mm - 2.083mm)



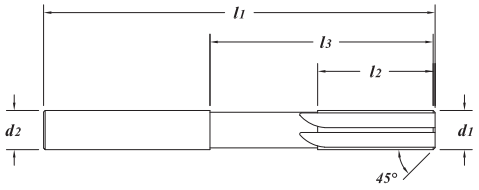
TECH PAGES 322-323

TOLERANCES

d_1	.0590" – .2509" (1.498 – 6.372mm)	+.0002" –.0000" (+.0050 –.0000mm)
	.2510" – .5020" (6.375 – 12.750mm)	+.0003" –.0000" (+.0075 –.0000mm)
d_2	.0590" – .2509" (1.498 – 6.372mm)	+.0002" –.0000" (+.0050 –.0000mm)
	.2510" – .5020" (6.375 – 12.750mm)	+.0003" –.0000" (+.0075 –.0000mm)

Solid Carbide Submicron Grain
Straight - RHC Flutes
Standard 45° Lead Chamfer
Neck diameter is .010" ±.002" less than (d_1) fluted diameter





EDP#	d_1 † Diameter Decimal	Diameter	Metric	d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	l_3 Reach Length	Number Flutes
95066	.0590		1.499	.0590"	1-1/2"	3/8"	5/8"	4
95069	.0591		1.500	.0591"	1-1/2"	3/8"	5/8"	4
95072	.0595	#53	1.511	.0595"	1-1/2"	3/8"	5/8"	4
95075	.0600		1.524	.0600"	1-1/2"	3/8"	5/8"	4
95078	.0605		1.537	.0605"	1-1/2"	3/8"	5/8"	4
95081	.0610		1.549	.0610"	1-1/2"	3/8"	5/8"	4
95084	.0615		1.562	.0615"	1-1/2"	3/8"	5/8"	4
95087	.0620		1.575	.0620"	1-1/2"	3/8"	5/8"	4
95090	.0625	1/16"	1.588	.0625"	1-1/2"	3/8"	5/8"	4
95093	.0630		1.600	.0630"	1-1/2"	3/8"	5/8"	4
95096	.0635	#52	1.613	.0635"	1-1/2"	3/8"	5/8"	4
95099	.0640		1.626	.0640"	1-1/2"	3/8"	5/8"	4
95102	.0645		1.638	.0645"	1-1/2"	3/8"	5/8"	4
95105	.0650		1.651	.0650"	1-1/2"	3/8"	5/8"	4
95108	.0660		1.676	.0660"	1-3/4"	1/2"	3/4"	4
95111	.0670	#51	1.702	.0670"	1-3/4"	1/2"	3/4"	4
95114	.0680		1.727	.0680"	1-3/4"	1/2"	7/8"	4
95117	.0690		1.753	.0690"	1-3/4"	1/2"	7/8"	4
95120	.0700	#50	1.778	.0700"	1-3/4"	1/2"	7/8"	4
95123	.0710		1.803	.0710"	1-3/4"	1/2"	7/8"	4
95126	.0720		1.829	.0720"	1-3/4"	1/2"	7/8"	4
95129	.0730	#49	1.854	.0730"	1-3/4"	1/2"	7/8"	4
95132	.0740		1.880	.0740"	1-3/4"	1/2"	7/8"	4
95135	.0750		1.905	.0750"	1-3/4"	1/2"	7/8"	4
95138	.0760	#48	1.930	.0760"	1-3/4"	1/2"	7/8"	4
95141	.0770		1.956	.0770"	1-3/4"	1/2"	7/8"	4
95144	.0780		1.981	.0780"	1-3/4"	1/2"	7/8"	4
95147	.0781	5/64"	1.984	.0781"	1-3/4"	1/2"	7/8"	4
95150	.0785	#47	1.994	.0785"	1-3/4"	1/2"	7/8"	4
95153	.0787		2.000	.0787"	1-3/4"	1/2"	7/8"	4
95156	.0790		2.007	.0790"	1-3/4"	1/2"	7/8"	4
95159	.0800		2.032	.0800"	1-3/4"	1/2"	7/8"	4
95162	.0810	#46	2.057	.0810"	2"	1/2"	7/8"	4
95165	.0820	#45	2.083	.0820"	2"	1/2"	7/8"	4

† *Metric equivalents are for reference only*

EDP#	d_1 † Diameter Decimal		Metric	d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	l_3 Reach Length	Number Flutes
95168	.0830		2.108	.0830"	2"	1/2"	7/8"	4
95171	.0840		2.134	.0840"	2"	1/2"	7/8"	4
95174	.0850		2.159	.0850"	2"	1/2"	7/8"	4
95177	.0860	#44	2.184	.0860"	2"	1/2"	7/8"	4
95180	.0870		2.210	.0870"	2"	1/2"	7/8"	4
95183	.0880		2.235	.0880"	2"	1/2"	7/8"	4
95186	.0890	#43	2.261	.0890"	2"	1/2"	7/8"	4
95189	.0900		2.286	.0900"	2"	1/2"	7/8"	4
95192	.0910		2.311	.0910"	2"	1/2"	7/8"	4
95195	.0915		2.324	.0915"	2"	1/2"	7/8"	4
95198	.0920		2.337	.0920"	2"	1/2"	7/8"	4
95201	.0925		2.350	.0925"	2"	1/2"	7/8"	4
95204	.0930		2.362	.0930"	2"	1/2"	7/8"	4
95207	.0935	#42	2.375	.0935"	2"	1/2"	7/8"	4
95210	.0938	3/32"	2.383	.0938"	2"	1/2"	7/8"	4
95213	.0940		2.388	.0940"	2"	1/2"	7/8"	4
95216	.0945		2.400	.0945"	2"	1/2"	7/8"	4
95219	.0950		2.413	.0950"	2"	1/2"	7/8"	4
95222	.0960	#41	2.438	.0960"	2-1/4"	5/8"	1"	4
95225	.0970		2.464	.0970"	2-1/4"	5/8"	1"	4
95228	.0980	#40	2.489	.0980"	2-1/4"	5/8"	1"	4
95231	.0984		2.500	.0984"	2-1/4"	5/8"	1"	4
95234	.0990		2.515	.0990"	2-1/4"	5/8"	1-1/8"	4
95237	.0995	#39	2.527	.0995"	2-1/4"	5/8"	1-1/8"	4
95240	.1000		2.540	.1000"	2-1/4"	5/8"	1-1/8"	4
95243	.1010		2.565	.1010"	2-1/4"	5/8"	1-1/8"	4
95246	.1015	#38	2.578	.1015"	2-1/4"	5/8"	1-1/8"	4
95249	.1020		2.591	.1020"	2-1/4"	5/8"	1-1/8"	4
95252	.1030		2.616	.1030"	2-1/4"	5/8"	1-1/8"	4
95255	.1040	#37	2.642	.1040"	2-1/4"	5/8"	1-1/8"	4
95258	.1050		2.667	.1050"	2-1/4"	5/8"	1-1/8"	4
95261	.1060		2.692	.1060"	2-1/4"	5/8"	1-1/8"	4
95264	.1065	#36	2.705	.1065"	2-1/4"	5/8"	1-1/8"	4
95267	.1070		2.718	.1070"	2-1/4"	5/8"	1-1/8"	4
95270	.1080		2.743	.1080"	2-1/4"	5/8"	1-1/8"	4
95273	.1090		2.769	.1090"	2-1/4"	5/8"	1-1/8"	4
95276	.1094	7/64"	2.779	.1094"	2-1/4"	5/8"	1-1/8"	4
95279	.1100	#35	2.794	.1100"	2-1/4"	5/8"	1-1/8"	4
95282	.1110	#34	2.819	.1110"	2-1/4"	5/8"	1-1/8"	4
95285	.1120		2.845	.1120"	2-1/4"	5/8"	1-1/8"	4
95288	.1130	#33	2.870	.1130"	2-1/4"	5/8"	1-1/8"	4
95291	.1140		2.896	.1140"	2-1/4"	5/8"	1-1/8"	4
95294	.1150		2.921	.1150"	2-1/4"	5/8"	1-1/8"	4
95297	.1160	#32	2.946	.1160"	2-1/4"	5/8"	1-1/8"	4
95300	.1170		2.972	.1170"	2-1/4"	5/8"	1-1/8"	4
95303	.1180		2.997	.1180"	2-1/4"	5/8"	1-1/8"	4
95306	.1181		3.000	.1181"	2-1/4"	5/8"	1-1/8"	4
95309	.1190		3.023	.1190"	2-1/4"	5/8"	1-1/8"	4

continued →

Series 4100 *(continued)*

.1200" - .1550"
(3.048mm - 3.937mm)

EDP#	d_1 † Diameter Decimal	Diameter	Metric	d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	l_3 Reach Length	Number Flutes
95312	.1200	#31	3.048	.1200"	2-1/4"	5/8"	1-1/8"	4
95315	.1210		3.073	.1210"	2-1/4"	5/8"	1-1/8"	4
95318	.1220		3.099	.1220"	2-1/4"	5/8"	1-1/8"	4
95321	.1230		3.124	.1230"	2-1/4"	5/8"	1-1/8"	4
95324	.1235		3.137	.1235"	2-1/4"	5/8"	1-1/8"	4
95327	.1240		3.150	.1240"	2-1/4"	5/8"	1-1/8"	4
95330	.1245		3.162	.1245"	2-1/4"	5/8"	1-1/8"	4
95333	.1248		3.170	.1248"	2-1/4"	5/8"	1-1/8"	4
95336	.1250	1/8"	3.175	.1250"	2-1/4"	5/8"	1-1/8"	4
95339	.1255		3.188	.1255"	2-1/4"	5/8"	1-1/8"	4
95342	.1260		3.200	.1260"	2-1/4"	5/8"	1-1/8"	4
95345	.1265		3.213	.1265"	2-1/4"	5/8"	1-1/8"	4
95348	.1270		3.226	.1270"	2-1/4"	5/8"	1-1/8"	4
95351	.1275		3.239	.1275"	2-1/4"	5/8"	1-1/8"	4
95354	.1280		3.251	.1280"	2-1/4"	5/8"	1-1/8"	4
95357	.1285	#30	3.264	.1285"	2-1/4"	5/8"	1-1/8"	4
95360	.1290		3.277	.1290"	2-1/4"	5/8"	1-1/8"	4
95363	.1300		3.302	.1300"	2-1/4"	5/8"	1-1/8"	4
95366	.1310		3.327	.1310"	2-1/2"	3/4"	1-1/4"	4
95369	.1320		3.353	.1320"	2-1/2"	3/4"	1-1/4"	4
95372	.1330		3.378	.1330"	2-1/2"	3/4"	1-1/4"	4
95375	.1340		3.404	.1340"	2-1/2"	3/4"	1-1/4"	4
95378	.1350		3.429	.1350"	2-1/2"	3/4"	1-1/4"	4
95381	.1360	#29	3.454	.1360"	2-1/2"	3/4"	1-1/4"	4
95384	.1370		3.480	.1370"	2-1/2"	3/4"	1-1/4"	4
95387	.1378		3.500	.1378"	2-1/2"	3/4"	1-1/4"	4
95390	.1380		3.505	.1380"	2-1/2"	3/4"	1-1/4"	4
95393	.1390		3.531	.1390"	2-1/2"	3/4"	1-1/4"	4
95396	.1400		3.556	.1400"	2-1/2"	3/4"	1-1/4"	4
95399	.1405	#28	3.569	.1405"	2-1/2"	3/4"	1-1/4"	4
95402	.1406	9/64"	3.571	.1406"	2-1/2"	3/4"	1-1/4"	4
95405	.1410		3.581	.1410"	2-1/2"	3/4"	1-1/4"	4
95408	.1420		3.607	.1420"	2-1/2"	3/4"	1-1/4"	4
95411	.1430		3.632	.1430"	2-1/2"	3/4"	1-1/4"	4
95414	.1440	#27	3.658	.1440"	2-1/2"	3/4"	1-1/4"	4
95417	.1450		3.683	.1450"	2-1/2"	3/4"	1-1/4"	4
95420	.1460		3.708	.1460"	2-1/2"	3/4"	1-1/4"	4
95423	.1470	#26	3.734	.1470"	2-1/2"	3/4"	1-1/4"	4
95426	.1480		3.759	.1480"	2-1/2"	3/4"	1-1/4"	4
95429	.1490		3.785	.1490"	2-1/2"	3/4"	1-1/4"	4
95432	.1495	#25	3.797	.1495"	2-1/2"	3/4"	1-1/4"	4
95435	.1500		3.810	.1500"	2-1/2"	3/4"	1-1/4"	4
95438	.1510		3.835	.1510"	2-1/2"	3/4"	1-1/4"	4
95441	.1520	#24	3.861	.1520"	2-1/2"	3/4"	1-1/4"	4
95444	.1530		3.886	.1530"	2-1/2"	3/4"	1-1/4"	4
95447	.1540	#23	3.912	.1540"	2-1/2"	3/4"	1-1/4"	4
95450	.1545		3.924	.1545"	2-1/2"	3/4"	1-1/4"	4
95453	.1550		3.937	.1550"	2-1/2"	3/4"	1-1/4"	4

† *Metric equivalents are for reference only*

EDP#	d_1 † Diameter Decimal	Diameter	Metric	d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	l_3 Reach Length	Number Flutes
95456	.1555		3.950	.1555"	2-1/2"	3/4"	1-1/4"	4
95459	.1560		3.962	.1560"	2-1/2"	3/4"	1-1/4"	4
95462	.1562	5/32"	3.967	.1562"	2-1/2"	3/4"	1-1/4"	4
95465	.1565		3.975	.1565"	2-1/2"	3/4"	1-1/4"	4
95468	.1570	#22	3.988	.1570"	2-1/2"	3/4"	1-1/4"	4
95471	.1575		4.000	.1575"	2-1/2"	3/4"	1-1/4"	4
95474	.1580		4.013	.1580"	2-1/2"	3/4"	1-1/4"	4
95477	.1590	#21	4.039	.1590"	2-1/2"	3/4"	1-1/4"	4
95480	.1600		4.064	.1600"	2-3/4"	7/8"	1-1/2"	4
95483	.1610	#20	4.089	.1610"	2-3/4"	7/8"	1-1/2"	4
95486	.1620		4.115	.1620"	2-3/4"	7/8"	1-1/2"	4
95489	.1630		4.140	.1630"	2-3/4"	7/8"	1-1/2"	4
95492	.1640		4.166	.1640"	2-3/4"	7/8"	1-1/2"	4
95495	.1650		4.191	.1650"	2-3/4"	7/8"	1-1/2"	4
95498	.1660	#19	4.216	.1660"	2-3/4"	7/8"	1-1/2"	4
95501	.1670		4.242	.1670"	2-3/4"	7/8"	1-1/2"	4
95504	.1680		4.267	.1680"	2-3/4"	7/8"	1-1/2"	4
95507	.1690		4.293	.1690"	2-3/4"	7/8"	1-1/2"	4
95510	.1695	#18	4.305	.1695"	2-3/4"	7/8"	1-1/2"	4
95513	.1700		4.318	.1700"	2-3/4"	7/8"	1-1/2"	4
95516	.1710		4.343	.1710"	2-3/4"	7/8"	1-1/2"	4
95519	.1719	11/64"	4.366	.1719"	2-3/4"	7/8"	1-1/2"	4
95522	.1720		4.369	.1720"	2-3/4"	7/8"	1-1/2"	4
95525	.1730	#17	4.394	.1730"	2-3/4"	7/8"	1-1/2"	4
95528	.1740		4.420	.1740"	2-3/4"	7/8"	1-1/2"	4
95531	.1750		4.445	.1750"	2-3/4"	7/8"	1-1/2"	4
95534	.1760		4.470	.1760"	2-3/4"	7/8"	1-1/2"	4
95537	.1770	#16	4.496	.1770"	2-3/4"	7/8"	1-1/2"	4
95540	.1772		4.500	.1772"	2-3/4"	7/8"	1-1/2"	4
95543	.1780		4.521	.1780"	2-3/4"	7/8"	1-1/2"	4
95546	.1790		4.547	.1790"	2-3/4"	7/8"	1-1/2"	4
95549	.1800	#15	4.572	.1800"	2-3/4"	7/8"	1-1/2"	4
95552	.1810		4.597	.1810"	2-3/4"	7/8"	1-1/2"	4
95555	.1820	#14	4.623	.1820"	2-3/4"	7/8"	1-1/2"	4
95558	.1830		4.648	.1830"	2-3/4"	7/8"	1-1/2"	4
95561	.1840		4.674	.1840"	2-3/4"	7/8"	1-1/2"	4
95564	.1850	#13	4.699	.1850"	2-3/4"	7/8"	1-1/2"	4
95567	.1855		4.712	.1855"	2-3/4"	7/8"	1-1/2"	4
95570	.1860		4.724	.1860"	2-3/4"	7/8"	1-1/2"	4
95573	.1865		4.737	.1865"	2-3/4"	7/8"	1-1/2"	4
95576	.1870		4.750	.1870"	2-3/4"	7/8"	1-1/2"	4
95577	.1873		4.757	.1873"	2-3/4"	7/8"	1-1/2"	4
95579	.1875	3/16"	4.763	.1875"	2-3/4"	7/8"	1-1/2"	4
95582	.1880		4.775	.1880"	2-3/4"	7/8"	1-1/2"	4
95585	.1885		4.788	.1885"	2-3/4"	7/8"	1-1/2"	4
95588	.1890	#12	4.801	.1890"	2-3/4"	7/8"	1-1/2"	4
95591	.1900		4.826	.1900"	2-3/4"	7/8"	1-1/2"	4
95594	.1910	#11	4.851	.1910"	2-3/4"	7/8"	1-1/2"	4

continued →

Series 4100 *(continued)*

.1920" - .2250"
(4.877mm - 5.715mm)









TECH PAGES 322-323

TOLERANCES

d_1	.0590" – .2509" (1.498 – 6.372mm)	+.0002" –.0000" (+.0050 –.0000mm)
	.2510" – .5020" (6.375 – 12.750mm)	+.0003" –.0000" (+.0075 –.0000mm)
d_2	.0590" – .2509" (1.498 – 6.372mm)	+.0002" –.0000" (+.0050 –.0000mm)
	.2510" – .5020" (6.375 – 12.750mm)	+.0003" –.0000" (+.0075 –.0000mm)



Solid Carbide Submicron Grain
Neck diameter is .010" ±.002" less than (d_1) fluted diameter

EDP#	d_1 † Diameter Decimal	Diameter	Metric	d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	l_3 Reach Length	Number Flutes
95597	.1920		4.877	.1920"	2-3/4"	7/8"	1-1/2"	4
95600	.1930		4.902	.1930"	2-3/4"	7/8"	1-1/2"	4
95603	.1935	#10	4.915	.1935"	2-3/4"	7/8"	1-1/2"	4
95606	.1940		4.928	.1940"	2-3/4"	7/8"	1-1/2"	4
95609	.1950		4.953	.1950"	2-3/4"	7/8"	1-1/2"	4
95612	.1960	#9	4.978	.1960"	3"	1"	1-5/8"	4
95615	.1969		5.000	.1969"	3"	1"	1-5/8"	4
95618	.1970		5.004	.1970"	3"	1"	1-5/8"	4
95621	.1980		5.029	.1980"	3"	1"	1-5/8"	4
95624	.1990	#8	5.055	.1990"	3"	1"	1-5/8"	4
95627	.2000		5.080	.2000"	3"	1"	1-5/8"	4
95630	.2010	#7	5.105	.2010"	3"	1"	1-5/8"	4
95633	.2020		5.131	.2020"	3"	1"	1-5/8"	4
95636	.2030		5.156	.2030"	3"	1"	1-5/8"	4
95639	.2031	13/64"	5.159	.2031"	3"	1"	1-5/8"	4
95642	.2040	#6	5.182	.2040"	3"	1"	1-5/8"	4
95645	.2050		5.207	.2050"	3"	1"	1-5/8"	4
95648	.2055	#5	5.220	.2055"	3"	1"	1-5/8"	4
95651	.2060		5.232	.2060"	3"	1"	1-5/8"	4
95654	.2070		5.258	.2070"	3"	1"	1-5/8"	4
95657	.2080		5.283	.2080"	3"	1"	1-5/8"	4
95660	.2090	#4	5.309	.2090"	3"	1"	1-5/8"	4
95663	.2100		5.334	.2100"	3"	1"	1-5/8"	4
95666	.2110		5.359	.2110"	3"	1"	1-5/8"	4
95669	.2120		5.385	.2120"	3"	1"	1-5/8"	4
95672	.2130	#3	5.410	.2130"	3"	1"	1-5/8"	4
95675	.2140		5.436	.2140"	3"	1"	1-5/8"	4
95678	.2150		5.461	.2150"	3"	1"	1-5/8"	4
95681	.2160		5.486	.2160"	3"	1"	1-5/8"	4
95684	.2165		5.500	.2165"	3"	1"	1-5/8"	4
95687	.2170		5.512	.2170"	3"	1"	1-5/8"	4
95690	.2180		5.537	.2180"	3"	1"	1-5/8"	4
95693	.2188	7/32"	5.558	.2188"	3"	1"	1-5/8"	4
95696	.2190		5.563	.2190"	3"	1"	1-5/8"	4
95699	.2200		5.588	.2200"	3"	1"	1-5/8"	4
95702	.2210	#2	5.613	.2210"	3"	1"	1-5/8"	4
95705	.2220		5.639	.2220"	3"	1"	1-5/8"	4
95708	.2230		5.664	.2230"	3"	1"	1-5/8"	4
95711	.2240		5.690	.2240"	3"	1"	1-5/8"	4
95714	.2250		5.715	.2250"	3"	1"	1-5/8"	4

GARR TOOL®

† *Metric equivalents are for reference only*

EDP#	d_1 † Diameter Decimal	Diameter	Metric	d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	l_3 Reach Length	Number Flutes
95717	.2260		5.740	.2260"	3"	1"	1-5/8"	4
95720	.2270		5.766	.2270"	3"	1"	1-5/8"	4
95723	.2280	#1	5.791	.2280"	3"	1"	1-5/8"	4
95726	.2290		5.817	.2290"	3"	1"	1-5/8"	4
95729	.2300		5.842	.2300"	3"	1"	1-5/8"	4
95732	.2310		5.867	.2310"	3"	1"	1-5/8"	4
95735	.2320		5.893	.2320"	3"	1"	1-5/8"	4
95738	.2330		5.918	.2330"	3"	1"	1-5/8"	4
95741	.2340	A	5.944	.2340"	3"	1"	1-5/8"	4
95744	.2344	15/64"	5.954	.2344"	3"	1"	1-5/8"	4
95747	.2350		5.969	.2350"	3"	1"	1-5/8"	4
95750	.2360		5.994	.2360"	3"	1"	1-5/8"	4
95753	.2362		6.000	.2362"	3"	1"	1-5/8"	4
95756	.2370		6.020	.2370"	3"	1"	1-5/8"	4
95759	.2380	B	6.045	.2380"	3"	1"	1-5/8"	4
95762	.2390		6.071	.2390"	3"	1"	1-5/8"	4
95765	.2400		6.096	.2400"	3"	1"	1-5/8"	4
95768	.2410		6.121	.2410"	3"	1"	1-5/8"	4
95771	.2420	C	6.147	.2420"	3"	1"	1-5/8"	4
95774	.2430		6.172	.2430"	3"	1"	1-5/8"	4
95777	.2440		6.198	.2440"	3"	1"	1-5/8"	4
95780	.2450		6.223	.2450"	3"	1"	1-5/8"	4
95783	.2460	D	6.248	.2460"	3"	1"	1-5/8"	4
95786	.2470		6.274	.2470"	3"	1"	1-5/8"	4
95789	.2480		6.299	.2480"	3"	1"	1-5/8"	4
95792	.2485		6.312	.2485"	3"	1"	1-5/8"	4
95795	.2490		6.325	.2490"	3"	1"	1-5/8"	4
95798	.2495		6.337	.2495"	3"	1"	1-5/8"	4
95799	.2498		6.345	.2498"	3"	1"	1-5/8"	4
95801	.2500	1/4" / E	6.350	.2500"	3"	1"	1-5/8"	4
95802	.2502		6.355	.2502"	3"	1"	1-5/8"	4
95804	.2505		6.363	.2505"	3"	1"	1-5/8"	4
95807	.2510		6.375	.2510"	3"	1"	1-5/8"	4
95810	.2515		6.388	.2515"	3"	1"	1-5/8"	4
95813	.2520		6.401	.2520"	3"	1"	1-5/8"	4
95816	.2530		6.426	.2530"	3"	1"	1-5/8"	4
95819	.2540		6.452	.2540"	3"	1"	1-5/8"	4
95822	.2550		6.477	.2550"	3-1/4"	1-1/8"	1-3/4"	6
95825	.2559		6.500	.2559"	3-1/4"	1-1/8"	1-3/4"	6
95828	.2560		6.502	.2560"	3-1/4"	1-1/8"	1-3/4"	6
95831	.2570	F	6.528	.2570"	3-1/4"	1-1/8"	1-3/4"	6
95834	.2580		6.553	.2580"	3-1/4"	1-1/8"	1-3/4"	6
95837	.2590		6.579	.2590"	3-1/4"	1-1/8"	1-3/4"	6
95840	.2600		6.604	.2600"	3-1/4"	1-1/8"	1-3/4"	6
95843	.2610	G	6.629	.2610"	3-1/4"	1-1/8"	1-3/4"	6
95846	.2620		6.655	.2620"	3-1/4"	1-1/8"	1-3/4"	6
95849	.2630		6.680	.2630"	3-1/4"	1-1/8"	1-3/4"	6
95852	.2640		6.706	.2640"	3-1/4"	1-1/8"	1-3/4"	6

continued →

Series 4100 *(continued)*

.2650" - .3070"
(6.731mm - 7.798mm)

EDP#	d_1 † Diameter Decimal		d_1 † Diameter Metric	d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	l_3 Reach Length	Number Flutes
95855	.2650		6.731	.2650"	3-1/4"	1-1/8"	1-3/4"	6
95858	.2656	17/64"	6.746	.2656"	3-1/4"	1-1/8"	1-3/4"	6
95861	.2660	H	6.756	.2660"	3-1/4"	1-1/8"	1-3/4"	6
95864	.2670		6.782	.2670"	3-1/4"	1-1/8"	1-3/4"	6
95867	.2680		6.807	.2680"	3-1/4"	1-1/8"	1-3/4"	6
95870	.2690		6.833	.2690"	3-1/4"	1-1/8"	1-3/4"	6
95873	.2700		6.858	.2700"	3-1/4"	1-1/8"	1-3/4"	6
95876	.2710		6.883	.2710"	3-1/4"	1-1/8"	1-3/4"	6
95879	.2720	I	6.909	.2720"	3-1/4"	1-1/8"	1-7/8"	6
95882	.2730		6.934	.2730"	3-1/4"	1-1/8"	1-7/8"	6
95885	.2740		6.960	.2740"	3-1/4"	1-1/8"	1-7/8"	6
95888	.2750		6.985	.2750"	3-1/4"	1-1/8"	1-7/8"	6
95891	.2756		7.000	.2756"	3-1/4"	1-1/8"	1-7/8"	6
95894	.2760		7.010	.2760"	3-1/4"	1-1/8"	1-7/8"	6
95897	.2770	J	7.036	.2770"	3-1/4"	1-1/8"	1-7/8"	6
95900	.2780		7.061	.2780"	3-1/4"	1-1/8"	1-7/8"	6
95903	.2790		7.087	.2790"	3-1/4"	1-1/8"	1-7/8"	6
95906	.2800		7.112	.2800"	3-1/4"	1-1/8"	1-7/8"	6
95909	.2810	K	7.137	.2810"	3-1/4"	1-1/8"	1-7/8"	6
95912	.2812	9/32"	7.142	.2812"	3-1/4"	1-1/8"	1-7/8"	6
95915	.2820		7.163	.2820"	3-1/4"	1-1/8"	1-7/8"	6
95918	.2830		7.188	.2830"	3-1/4"	1-1/8"	1-7/8"	6
95921	.2840		7.214	.2840"	3-1/4"	1-1/8"	1-7/8"	6
95924	.2850		7.239	.2850"	3-1/4"	1-1/8"	1-7/8"	6
95927	.2860		7.264	.2860"	3-1/4"	1-1/8"	1-7/8"	6
95930	.2870		7.290	.2870"	3-1/4"	1-1/8"	1-7/8"	6
95933	.2880		7.315	.2880"	3-1/4"	1-1/8"	1-7/8"	6
95936	.2890		7.341	.2890"	3-1/4"	1-1/8"	1-7/8"	6
95939	.2900	L	7.366	.2900"	3-1/4"	1-1/8"	1-7/8"	6
95942	.2910		7.391	.2910"	3-1/4"	1-1/8"	1-7/8"	6
95945	.2920		7.417	.2920"	3-1/4"	1-1/8"	1-7/8"	6
95948	.2930		7.442	.2930"	3-1/4"	1-1/8"	1-7/8"	6
95951	.2940		7.468	.2940"	3-1/4"	1-1/8"	1-7/8"	6
95954	.2950	M	7.493	.2950"	3-1/4"	1-1/8"	1-7/8"	6
95957	.2953		7.500	.2953"	3-1/4"	1-1/8"	1-7/8"	6
95960	.2960		7.518	.2960"	3-1/4"	1-1/8"	1-7/8"	6
95963	.2969	19/64"	7.541	.2969"	3-1/4"	1-1/8"	1-7/8"	6
95966	.2970		7.544	.2970"	3-1/4"	1-1/8"	1-7/8"	6
95969	.2980		7.569	.2980"	3-1/4"	1-1/8"	1-7/8"	6
95972	.2990		7.595	.2990"	3-1/4"	1-1/8"	1-7/8"	6
95975	.3000		7.620	.3000"	3-1/4"	1-1/8"	1-7/8"	6
95978	.3010		7.645	.3010"	3-1/4"	1-1/8"	1-7/8"	6
95981	.3020	N	7.671	.3020"	3-1/4"	1-1/8"	1-7/8"	6
95984	.3030		7.696	.3030"	3-1/4"	1-1/8"	1-7/8"	6
95987	.3040		7.722	.3040"	3-1/4"	1-1/8"	1-7/8"	6
95990	.3050		7.747	.3050"	3-1/4"	1-1/8"	1-7/8"	6
95993	.3060		7.772	.3060"	3-1/4"	1-1/8"	1-7/8"	6
95996	.3070		7.798	.3070"	3-1/4"	1-1/8"	1-7/8"	6

† *Metric equivalents are for reference only*

EDP#	d_1 † Diameter Decimal	Diameter	Metric	d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	l_3 Reach Length	Number Flutes
95999	.3080		7.823	.3080"	3-1/4"	1-1/8"	1-7/8"	6
96002	.3090		7.849	.3090"	3-1/4"	1-1/8"	1-7/8"	6
96005	.3100		7.874	.3100"	3-1/4"	1-1/8"	1-7/8"	6
96006	.3105		7.887	.3105"	3-1/4"	1-1/8"	1-7/8"	6
96008	.3110		7.899	.3110"	3-1/4"	1-1/8"	1-7/8"	6
96011	.3115		7.912	.3115"	3-1/4"	1-1/8"	1-7/8"	6
96014	.3120		7.925	.3120"	3-1/4"	1-1/8"	1-7/8"	6
96015	.3123		7.932	.3123"	3-1/4"	1-1/8"	1-7/8"	6
96017	.3125	5/16"	7.938	.3125"	3-1/4"	1-1/8"	1-7/8"	6
96021	.3130		7.950	.3130"	3-1/4"	1-1/8"	1-7/8"	6
96023	.3135		7.963	.3135"	3-1/4"	1-1/8"	1-7/8"	6
96026	.3140		7.976	.3140"	3-1/4"	1-1/8"	1-7/8"	6
96029	.3150		8.000	.3150"	3-1/4"	1-1/8"	1-7/8"	6
96032	.3160	O	8.026	.3160"	3-1/4"	1-1/8"	1-7/8"	6
96035	.3170		8.052	.3170"	3-1/4"	1-1/8"	1-7/8"	6
96038	.3180		8.077	.3180"	3-1/4"	1-1/8"	1-7/8"	6
96041	.3190		8.103	.3190"	3-1/2"	1-1/4"	2"	6
96044	.3200		8.128	.3200"	3-1/2"	1-1/4"	2"	6
96047	.3210		8.153	.3210"	3-1/2"	1-1/4"	2"	6
96050	.3220		8.179	.3220"	3-1/2"	1-1/4"	2"	6
96053	.3230	P	8.204	.3230"	3-1/2"	1-1/4"	2"	6
96056	.3240		8.230	.3240"	3-1/2"	1-1/4"	2"	6
96059	.3250		8.255	.3250"	3-1/2"	1-1/4"	2"	6
96062	.3260		8.280	.3260"	3-1/2"	1-1/4"	2"	6
96065	.3270		8.306	.3270"	3-1/2"	1-1/4"	2"	6
96068	.3280		8.331	.3280"	3-1/2"	1-1/4"	2"	6
96071	.3281	21/64"	8.334	.3281"	3-1/2"	1-1/4"	2"	6
96074	.3290		8.357	.3290"	3-1/2"	1-1/4"	2"	6
96077	.3300		8.382	.3300"	3-1/2"	1-1/4"	2"	6
96079	.3310		8.407	.3310"	3-1/2"	1-1/4"	2"	6
96083	.3320	Q	8.433	.3320"	3-1/2"	1-1/4"	2"	6
96086	.3330		8.458	.3330"	3-1/2"	1-1/4"	2"	6
96089	.3340		8.484	.3340"	3-1/2"	1-1/4"	2"	6
96092	.3346		8.500	.3346"	3-1/2"	1-1/4"	2"	6
96095	.3350		8.509	.3350"	3-1/2"	1-1/4"	2"	6
96098	.3360		8.534	.3360"	3-1/2"	1-1/4"	2"	6
96101	.3370		8.560	.3370"	3-1/2"	1-1/4"	2"	6
96104	.3380		8.585	.3380"	3-1/2"	1-1/4"	2"	6
96107	.3390	R	8.611	.3390"	3-1/2"	1-1/4"	2"	6
96110	.3400		8.636	.3400"	3-1/2"	1-1/4"	2"	6
96113	.3410		8.661	.3410"	3-1/2"	1-1/4"	2"	6
96116	.3420		8.687	.3420"	3-1/2"	1-1/4"	2"	6
96119	.3430		8.712	.3430"	3-1/2"	1-1/4"	2"	6
96122	.3438	11/32"	8.733	.3438"	3-1/2"	1-1/4"	2"	6
96125	.3440		8.738	.3440"	3-1/2"	1-1/4"	2"	6
96128	.3450		8.763	.3450"	3-1/2"	1-1/4"	2"	6
96131	.3460		8.788	.3460"	3-1/2"	1-1/4"	2"	6
96134	.3470		8.814	.3470"	3-1/2"	1-1/4"	2"	6

continued →

Series 4100 *(continued)*

.3480" - .3810"
(8.839mm - 9.677mm)

Z=4 | Z=6 | 0° | 45° | TECH PAGES 322-323

TOLERANCES

d_1	.0590" – .2509" (1.498 – 6.372mm)	+.0002" –.0000" (+.0050 –.0000mm)
	.2510" – .5020" (6.375 – 12.750mm)	+.0003" –.0000" (+.0075 –.0000mm)
d_2	.0590" – .2509" (1.498 – 6.372mm)	+.0002" –.0000" (+.0050 –.0000mm)
	.2510" – .5020" (6.375 – 12.750mm)	+.0003" –.0000" (+.0075 –.0000mm)



Solid Carbide Submicron Grain
Neck diameter is .010" ±.002" less than (d_1) fluted diameter

EDP#	d_1 † Diameter Decimal		d_1 † Diameter Metric	d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	l_3 Reach Length	Number Flutes
96137	.3480	S	8.839	.3480"	3-1/2"	1-1/4"	2"	6
96141	.3490		8.865	.3490"	3-1/2"	1-1/4"	2"	6
96143	.3500		8.890	.3500"	3-1/2"	1-1/4"	2"	6
96146	.3510		8.915	.3510"	3-1/2"	1-1/4"	2"	6
96149	.3520		8.941	.3520"	3-1/2"	1-1/4"	2"	6
96152	.3530		8.966	.3530"	3-1/2"	1-1/4"	2"	6
96155	.3540		8.992	.3540"	3-1/2"	1-1/4"	2"	6
96158	.3543		9.000	.3543"	3-1/2"	1-1/4"	2"	6
96161	.3550		9.017	.3550"	3-1/2"	1-1/4"	2"	6
96164	.3560		9.042	.3560"	3-1/2"	1-1/4"	2"	6
96167	.3570		9.068	.3570"	3-1/2"	1-1/4"	2"	6
96170	.3580	T	9.093	.3580"	3-1/2"	1-1/4"	2"	6
96173	.3590		9.119	.3590"	3-1/2"	1-1/4"	2"	6
96176	.3594	23/64"	9.129	.3594"	3-1/2"	1-1/4"	2"	6
96179	.3600		9.144	.3600"	3-1/2"	1-1/4"	2"	6
96182	.3610		9.169	.3610"	3-1/2"	1-1/4"	2"	6
96185	.3620		9.195	.3620"	3-1/2"	1-1/4"	2"	6
96191	.3640		9.246	.3640"	3-1/2"	1-1/4"	2"	6
96194	.3650		9.271	.3650"	3-1/2"	1-1/4"	2"	6
96197	.3660		9.296	.3660"	3-1/2"	1-1/4"	2"	6
96199	.3670		9.322	.3670"	3-1/2"	1-1/4"	2"	6
96203	.3680	U	9.347	.3680"	3-1/2"	1-1/4"	2"	6
96206	.3690		9.373	.3690"	3-1/2"	1-1/4"	2"	6
96209	.3700		9.398	.3700"	3-1/2"	1-1/4"	2"	6
96212	.3710		9.423	.3710"	3-1/2"	1-1/4"	2"	6
96215	.3720		9.449	.3720"	3-1/2"	1-1/4"	2"	6
96218	.3730		9.474	.3730"	3-1/2"	1-1/4"	2"	6
96221	.3740		9.500	.3740"	3-1/2"	1-1/4"	2"	6
96224	.3745		9.512	.3745"	3-1/2"	1-1/4"	2"	6
96225	.3748		9.520	.3748"	3-1/2"	1-1/4"	2"	6
96227	.3750	3/8"	9.525	.3750"	3-1/2"	1-1/4"	2"	6
96230	.3755		9.538	.3755"	3-1/2"	1-1/4"	2"	6
96233	.3760		9.550	.3760"	3-1/2"	1-1/4"	2"	6
96236	.3765		9.563	.3765"	3-1/2"	1-1/4"	2"	6
96239	.3770	V	9.576	.3770"	3-1/2"	1-1/4"	2"	6
96242	.3780		9.601	.3780"	3-1/2"	1-1/4"	2"	6
96245	.3790		9.627	.3790"	3-1/2"	1-1/4"	2"	6
96248	.3800		9.652	.3800"	3-1/2"	1-1/4"	2"	6
96251	.3810		9.677	.3810"	3-1/2"	1-1/4"	2"	6

† *Metric equivalents are for reference only*

EDP#	d_1 † Diameter Decimal	d_1 † Diameter	d_1 † Diameter Metric	d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	l_3 Reach Length	Number Flutes
96254	.3820		9.703	.3820"	3-1/2"	1-1/4"	2"	6
96257	.3830		9.728	.3830"	3-1/2"	1-1/4"	2"	6
96260	.3840		9.754	.3840"	3-1/2"	1-1/4"	2"	6
96263	.3850		9.779	.3850"	3-1/2"	1-1/4"	2"	6
96266	.3860	W	9.804	.3860"	3-1/2"	1-1/4"	2"	6
96269	.3870		9.830	.3870"	3-1/2"	1-1/4"	2"	6
96272	.3880		9.855	.3880"	3-1/2"	1-1/4"	2"	6
96275	.3890		9.881	.3890"	3-1/2"	1-1/4"	2"	6
96278	.3900		9.906	.3900"	3-1/2"	1-1/4"	2"	6
96281	.3906	25/64"	9.921	.3906"	3-1/2"	1-1/4"	2"	6
96284	.3910		9.931	.3910"	3-1/2"	1-1/4"	2"	6
96287	.3920		9.957	.3920"	3-1/2"	1-1/4"	2"	6
96290	.3930		9.982	.3930"	3-1/2"	1-1/4"	2"	6
96293	.3937		10.000	.3937"	3-1/2"	1-1/4"	2"	6
96296	.3940		10.008	.3940"	3-1/2"	1-1/4"	2"	6
96299	.3950		10.033	.3950"	3-1/2"	1-1/4"	2"	6
96302	.3960		10.058	.3960"	3-1/2"	1-1/4"	2"	6
96305	.3970	X	10.084	.3970"	3-1/2"	1-1/4"	2"	6
96308	.3980		10.109	.3980"	3-1/2"	1-1/4"	2"	6
96311	.3990		10.135	.3990"	3-1/2"	1-1/4"	2"	6
96314	.4000		10.160	.4000"	3-1/2"	1-1/4"	2"	6
96317	.4010		10.185	.4010"	3-1/2"	1-1/4"	2"	6
96319	.4020		10.211	.4020"	3-1/2"	1-1/4"	2"	6
96323	.4030		10.236	.4030"	3-1/2"	1-1/4"	2"	6
96326	.4040	Y	10.262	.4040"	3-1/2"	1-1/4"	2"	6
96329	.4050		10.287	.4050"	3-1/2"	1-1/4"	2"	6
96332	.4060		10.312	.4060"	3-1/2"	1-1/4"	2"	6
96335	.4062	13/32"	10.317	.4062"	3-1/2"	1-1/4"	2"	6
96338	.4070		10.338	.4070"	3-1/2"	1-1/4"	2"	6
96341	.4080		10.363	.4080"	3-1/2"	1-1/4"	2"	6
96344	.4090		10.389	.4090"	3-1/2"	1-1/4"	2"	6
96347	.4100		10.414	.4100"	3-1/2"	1-1/4"	2"	6
96350	.4110		10.439	.4110"	3-1/2"	1-1/4"	2"	6
96353	.4120		10.465	.4120"	3-1/2"	1-1/4"	2"	6
96356	.4130	Z	10.490	.4130"	3-1/2"	1-1/4"	2"	6
96359	.4134		10.500	.4134"	3-1/2"	1-1/4"	2"	6
96362	.4140		10.516	.4140"	3-1/2"	1-1/4"	2"	6
96365	.4150		10.541	.4150"	3-1/2"	1-1/4"	2"	6
96366	.4160		10.566	.4160"	4"	1-3/8"	2-1/8"	6
96367	.4170		10.592	.4170"	4"	1-3/8"	2-1/8"	6
96369	.4190		10.643	.4190"	4"	1-3/8"	2-1/8"	6
96374	.4210		10.693	.4210"	4"	1-3/8"	2-1/8"	6
96377	.4219	27/64"	10.716	.4219"	4"	1-3/8"	2-1/8"	6
96380	.4220		10.719	.4220"	4"	1-3/8"	2-1/8"	6
96383	.4230		10.744	.4230"	4"	1-3/8"	2-1/8"	6
96386	.4240		10.770	.4240"	4"	1-3/8"	2-1/8"	6

continued →

Series 4100 *(continued)*

.4250" - .4724"
(10.795mm - 12.000mm)

EDP#	d_1 † Diameter Decimal		d_1 † Diameter Metric	d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	l_3 Reach Length	Number Flutes
96389	.4250		10.795	.4250"	4"	1-3/8"	2-1/8"	6
96392	.4260		10.820	.4260"	4"	1-3/8"	2-1/8"	6
96395	.4270		10.846	.4270"	4"	1-3/8"	2-1/8"	6
96398	.4280		10.871	.4280"	4"	1-3/8"	2-1/8"	6
96404	.4300		10.922	.4300"	4"	1-3/8"	2-1/8"	6
96407	.4310		10.947	.4310"	4"	1-3/8"	2-1/8"	6
96410	.4320		10.973	.4320"	4"	1-3/8"	2-1/8"	6
96413	.4330		10.998	.4330"	4"	1-3/8"	2-1/8"	6
96416	.4331		11.000	.4331"	4"	1-3/8"	2-1/8"	6
96419	.4340		11.024	.4340"	4"	1-3/8"	2-1/8"	6
96422	.4350		11.049	.4350"	4"	1-3/8"	2-1/8"	6
96425	.4360		11.074	.4360"	4"	1-3/8"	2-1/8"	6
96428	.4365		11.087	.4365"	4"	1-3/8"	2-1/8"	6
96431	.4370		11.100	.4370"	4"	1-3/8"	2-1/8"	6
96432	.4373		11.107	.4373"	4"	1-3/8"	2-1/8"	6
96434	.4375	7/16"	11.113	.4375"	4"	1-3/8"	2-1/8"	6
96437	.4380		11.125	.4380"	4"	1-3/8"	2-1/8"	6
96440	.4385		11.138	.4385"	4"	1-3/8"	2-1/8"	6
96443	.4390		11.151	.4390"	4"	1-3/8"	2-1/8"	6
96446	.4400		11.176	.4400"	4"	1-3/8"	2-1/8"	6
96449	.4410		11.201	.4410"	4"	1-3/8"	2-1/8"	6
96455	.4430		11.252	.4430"	4"	1-3/8"	2-1/8"	6
96458	.4440		11.278	.4440"	4"	1-3/8"	2-1/8"	6
96461	.4450		11.303	.4450"	4"	1-3/8"	2-1/8"	6
96467	.4470		11.354	.4470"	4"	1-3/8"	2-1/8"	6
96470	.4480		11.379	.4480"	4"	1-3/8"	2-1/8"	6
96473	.4490		11.405	.4490"	4"	1-3/8"	2-1/8"	6
96476	.4500		11.430	.4500"	4"	1-3/8"	2-1/8"	6
96479	.4510		11.455	.4510"	4"	1-3/8"	2-1/8"	6
96485	.4528		11.500	.4528"	4"	1-3/8"	2-1/8"	6
96488	.4530		11.506	.4530"	4"	1-3/8"	2-1/8"	6
96491	.4531	29/64"	11.509	.4531"	4"	1-3/8"	2-1/8"	6
96494	.4540		11.532	.4540"	4"	1-3/8"	2-1/8"	6
96497	.4550		11.557	.4550"	4"	1-3/8"	2-1/8"	6
96500	.4560		11.582	.4560"	4"	1-3/8"	2-1/8"	6
96503	.4570		11.608	.4570"	4"	1-3/8"	2-1/8"	6
96506	.4580		11.633	.4580"	4"	1-3/8"	2-1/8"	6
96512	.4600		11.684	.4600"	4"	1-3/8"	2-1/8"	6
96515	.4610		11.709	.4610"	4"	1-3/8"	2-1/8"	6
96527	.4650		11.811	.4650"	4"	1-3/8"	2-1/8"	6
96530	.4660		11.836	.4660"	4"	1-3/8"	2-1/8"	6
96533	.4670		11.862	.4670"	4"	1-3/8"	2-1/8"	6
96539	.4688	15/32"	11.908	.4688"	4"	1-3/8"	2-1/8"	6
96542	.4690		11.913	.4690"	4"	1-3/8"	2-1/8"	6
96545	.4700		11.938	.4700"	4"	1-1/2"	2-1/4"	6
96548	.4710		11.963	.4710"	4"	1-1/2"	2-1/4"	6
96551	.4720		11.989	.4720"	4"	1-1/2"	2-1/4"	6
96554	.4724		12.000	.4724"	4"	1-1/2"	2-1/4"	6

† *Metric equivalents are for reference only*

EDP#	d_1 † Diameter Decimal	Diameter	Metric	d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	l_3 Reach Length	Number Flutes
96557	.4730		12.014	.4730"	4"	1-1/2"	2-1/4"	6
96561	.4740		12.040	.4740"	4"	1-1/2"	2-1/4"	6
96563	.4750		12.065	.4750"	4"	1-1/2"	2-1/4"	6
96566	.4760		12.090	.4760"	4"	1-1/2"	2-1/4"	6
96569	.4770		12.116	.4770"	4"	1-1/2"	2-1/4"	6
96572	.4780		12.141	.4780"	4"	1-1/2"	2-1/4"	6
96578	.4800		12.192	.4800"	4"	1-1/2"	2-1/4"	6
96581	.4810		12.217	.4810"	4"	1-1/2"	2-1/4"	6
96584	.4820		12.243	.4820"	4"	1-1/2"	2-1/4"	6
96590	.4840		12.294	.4840"	4"	1-1/2"	2-1/4"	6
96593	.4844	31/64"	12.304	.4844"	4"	1-1/2"	2-1/4"	6
96596	.4850		12.319	.4850"	4"	1-1/2"	2-1/4"	6
96602	.4870		12.370	.4870"	4"	1-1/2"	2-1/4"	6
96608	.4890		12.421	.4890"	4"	1-1/2"	2-1/4"	6
96617	.4920		12.497	.4920"	4"	1-1/2"	2-1/4"	6
96620	.4921		12.500	.4921"	4"	1-1/2"	2-1/4"	6
96623	.4930		12.522	.4930"	4"	1-1/2"	2-1/4"	6
96629	.4950		12.573	.4950"	4"	1-1/2"	2-1/4"	6
96632	.4960		12.598	.4960"	4"	1-1/2"	2-1/4"	6
96635	.4970		12.624	.4970"	4"	1-1/2"	2-1/4"	6
96638	.4980		12.649	.4980"	4"	1-1/2"	2-1/4"	6
96641	.4990		12.675	.4990"	4"	1-1/2"	2-1/4"	6
96644	.4995		12.687	.4995"	4"	1-1/2"	2-1/4"	6
96645	.4998		12.695	.4998"	4"	1-1/2"	2-1/4"	6
96647	.5000	1/2"	12.700	.5000"	4"	1-1/2"	2-1/4"	6
96650	.5005		12.713	.5005"	4"	1-1/2"	2-1/4"	6
96653	.5010		12.725	.5010"	4"	1-1/2"	2-1/4"	6
96656	.5020		12.751	.5020"	4"	1-1/2"	2-1/4"	6

Series **4100** (Metric)

1.990mm - 10.040mm
(.07835" - .39528")

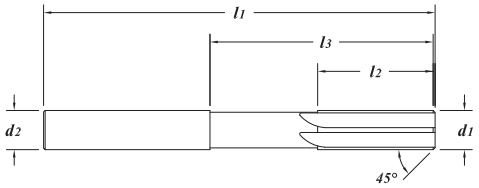
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TOLERANCES

d_1	1.500 – 6.372mm	+.005mm –.000
	6.375 – 12.750mm	+.0075mm –.0000
d_2	1.500 – 6.372mm	+.005mm –.000
	6.375 – 12.750mm	+.0075mm –.0000



Solid Carbide Submicron Grain
Straight - RHC Flutes
Standard 45° Lead Chamfer
Neck diameter is 0.25mm ±0.05 less than (d_1) fluted diameter



EDP#	d_1 Decimal	d_1 Metric	d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	l_3 Reach Length	Number Flutes
96659	.07835	1.990	1.990	50	12	32	4
96662	.07874	2.000	2.000	50	12	32	4
96665	.07913	2.010	2.010	50	12	32	4
96668	.07953	2.020	2.020	50	12	32	4
96671	.11772	2.990	2.990	65	16	36	4
96674	.11811	3.000	3.000	65	16	36	4
96677	.11850	3.010	3.010	65	16	36	4
96680	.11890	3.020	3.020	65	16	36	4
96683	.15709	3.990	3.990	75	20	45	4
96686	.15748	4.000	4.000	75	20	45	4
96689	.15787	4.010	4.010	75	20	45	4
96692	.15827	4.020	4.020	75	20	45	4
96695	.15866	4.030	4.030	75	20	45	4
96698	.19646	4.990	4.990	100	25	60	4
96701	.19685	5.000	5.000	100	25	60	4
96704	.19724	5.010	5.010	100	25	60	4
96707	.19764	5.020	5.020	100	25	60	4
96710	.19803	5.030	5.030	100	25	60	4
96713	.23583	5.990	5.990	100	25	60	4
96716	.23622	6.000	6.000	100	25	60	4
96719	.23661	6.010	6.010	100	25	60	4
96722	.23701	6.020	6.020	100	25	60	4
96725	.27559	7.000	7.000	100	25	60	6
96728	.31457	7.990	7.990	120	32	75	6
96731	.31496	8.000	8.000	120	32	75	6
96734	.31535	8.010	8.010	120	32	75	6
96737	.31575	8.020	8.020	120	32	75	6
96740	.31614	8.030	8.030	120	32	75	6
96743	.35433	9.000	9.000	120	32	75	6
96746	.39291	9.980	9.980	130	32	75	6
96749	.39331	9.990	9.990	130	32	75	6
96752	.39370	10.000	10.000	130	32	75	6
96755	.39409	10.010	10.010	130	32	75	6
96758	.39449	10.020	10.020	130	32	75	6
96761	.39488	10.030	10.030	130	32	75	6
96764	.39528	10.040	10.040	130	32	75	6

EDP#	d_1 Decimal	d_1 Metric	d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	l_3 Reach Length	Number Flutes
96767	.47165	11.980	11.980	150	40	100	6
96770	.47205	11.990	11.990	150	40	100	6
96773	.47244	12.000	12.000	150	40	100	6
96776	.47283	12.010	12.010	150	40	100	6
96779	.47323	12.020	12.020	150	40	100	6
96782	.47362	12.030	12.030	150	40	100	6



LHS / RHC

STR / RHC

RHS / RHC

Special Reamers - Solid Carbide - 2 Week Delivery

Solid Carbide Submicron Grain
All reamers furnished with a standard 45° Lead Chamfer
All reamers furnished with a standard neck for reach
Neck diameter is .010" ±.002" less than fluted diameter

Diameter Decimal	Diameter Metric	Overall Length	Flute Length	No. of Flutes
.0590" - .0650"	1.499 - 1.651	1-1/2"	3/8"	4
.0660" - .0800"	1.676 - 2.032	1-3/4"	1/2"	4
.0810" - .0950"	2.057 - 2.413	2"	1/2"	4
.0960" - .1300"	2.438 - 3.302	2-1/4"	5/8"	4
.1310" - .1590"	3.327 - 4.039	2-1/2"	3/4"	4
.1600" - .1950"	4.064 - 4.953	2-3/4"	7/8"	4
.1960" - .2540"	4.978 - 6.452	3"	1"	4
.2550" - .3180"	6.477 - 8.077	3-1/4"	1-1/8"	6
.3190" - .4150"	8.103 - 10.541	3-1/2"	1-1/4"	6
.4160" - .4690"	10.566 - 11.913	4"	1-3/8"	6
.4700" - .5020"	11.938 - 12.751	4"	1-1/2"	6
.5030" - .5700"	12.776 - 14.478	4"	1-5/8"	6
.5710" - .7500"	14.503 - 19.050	4"	1-3/4"	6