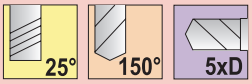
1100 / z = 3

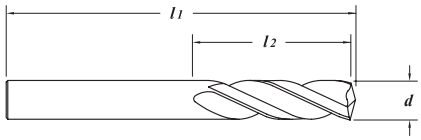
.1094" - .2165"
(2,78mm - 5,50mm)

Technical information: page 212-215



TOLERANCES

d	+0,0000 –0,0127mm (+.0000" –.0005")	
l1	≤ 1/8"	+3,175 –1,588mm (+.125" –.062")
	> 1/8"	+3,175 –3,175mm (+.125" –.125")
l2	≤ 1/8"	+3,175 –1,588mm (+.125" –.062")
	>1/8"	+3,175 –3,175mm (+.125" –.125")



Solid submicron grain carbide drill
Near reamer finishes
Tighter tolerance holes
Improved roundness and straightness
Recommended for cast aluminum, cast iron and materials with high silicon content
Live tooling recommended on lathe processes
Shank tolerance: –0,0025 / –0,0100mm (–.0001" –.0004")

Vollhartmetallbohrer aus Feinkornhartmetall
Nahe an geriebenen Oberflächen
Bessere Bohrungstoleranzen
Verbesserter Rundlauf und Genauigkeit
Empfohlen für Aluminiumguss, Grauguss und Werkstoffe mit hohem Silizium Gehalt
Empfehlung fuer den Einsatz auf der Drehmaschine
Schaft-Toleranz: –0,0025 / –0,0100mm (–.0001" –.0004")

Broca de submicrograno sólido carburo
Acabado similar al escariado
Orificios de alta tolerancia y precisión
Mejor acabado redondeado y recto
Recomendado para aluminio fundido, hierro fundido y materiales con alto contenido de silicio
Recomendación para la aplicación en torno
Tolerancia del vástago: –0,0025 / –0,0100mm (–.0001" –.0004")

Forets carbure submicrograin
Tolerances de trous plus serres
Amelioration de la circularite et de la rectitude
Recommander pour fonte d'aluminium, fonte grise et matieres a haute teneur en silicium
Outillage allumé est conseillé pendant les process avec le tour
Tolerance de la tige: –0,0025 / –0,0100mm (–.0001" –.0004")

Super sub-micrograno metallo duro
Ottimo grado di finitura
Alta tolleranza dei fori
Migliore rotondità e linearità
Alluminio, ghisa e materiali ad alto contenuto di silicio
Raccomandata per lavorazioni su alluminio, ghisa e materiali ad alto contenuto di silicio
Giri consigliati per forature su tornio
Tolleranza gambo: –0,0025 / –0,0100mm (–.0001" –.0004")

整体硬质合金钻头
接近铰孔光洁度
紧公差孔
提高正圆度和直线度
推荐加工铸铝、铸铁和硅含量高的材质
推荐在车床加工中
柄部公差: –0,0025 / –0,0100mm (–.0001" –.0004")

EDP#	*d* † Diameter Decimal	Diameter	Metric	*l1* Overall Length	*l2* Flute Length
90275	.1094	7/64"	2,78	2-1/4"	1-1/4"
90280	.1100	#35	2,79	2-1/4"	1-1/4"
90285	.1110	#34	2,82	2-1/4"	1-1/4"
90290	.1130	#33	2,87	2-1/4"	1-1/4"
90295	.1160	#32	2,95	2-1/4"	1-1/4"
90300	.1181		3,00	57	32
90305	.1200	#31	3,05	2-1/4"	1-1/4"
90310	.1250	1/8"	3,17	2-1/4"	1-1/4"
90315	.1285	#30	3,26	2-1/4"	1-1/4"
90320	.1360	#29	3,45	2-1/2"	1-3/8"
90325	.1378		3,50	63	35
90330	.1405	#28	3,57	2-1/2"	1-3/8"
90335	.1406	9/64"	3,57	2-1/2"	1-3/8"
90340	.1440	#27	3,66	2-1/2"	1-3/8"
90345	.1470	#26	3,73	2-1/2"	1-3/8"
90350	.1495	#25	3,80	2-1/2"	1-3/8"
90355	.1520	#24	3,86	2-1/2"	1-3/8"
90360	.1540	#23	3,91	2-1/2"	1-3/8"
90365	.1562	5/32"	3,97	2-1/2"	1-3/8"
90370	.1570	#22	3,99	2-1/2"	1-3/8"
90375	.1575		4,00	63	35
90380	.1590	#21	4,04	2-1/2"	1-3/8"
90385	.1610	#20	4,09	2-1/2"	1-3/8"
90390	.1660	#19	4,22	2-3/4"	1-5/8"
90395	.1695	#18	4,30	2-3/4"	1-5/8"
90400	.1719	11/64"	4,37	2-3/4"	1-5/8"
90405	.1730	#17	4,39	2-3/4"	1-5/8"
90410	.1770	#16	4,49	2-3/4"	1-5/8"
90415	.1772		4,50	70	41
90420	.1800	#15	4,57	2-3/4"	1-5/8"
90425	.1820	#14	4,62	2-3/4"	1-5/8"
90430	.1850	#13	4,70	2-3/4"	1-5/8"
90435	.1875	3/16"	4,76	2-3/4"	1-5/8"
90440	.1890	#12	4,80	2-3/4"	1-5/8"
90445	.1910	#11	4,85	2-3/4"	1-5/8"
90450	.1935	#10	4,91	2-3/4"	1-5/8"
90455	.1960	#9	4,98	3"	1-3/4"
90460	.1969		5,00	76	44
90465	.1990	#8	5,05	3"	1-3/4"
90470	.2010	#7	5,10	3"	1-3/4"
90475	.2031	13/64"	5,16	3"	1-3/4"
90480	.2040	#6	5,18	3"	1-3/4"
90485	.2055	#5	5,22	3"	1-3/4"
90490	.2090	#4	5,31	3"	1-3/4"
90495	.2130	#3	5,41	3"	1-3/4"
90500	.2165		5,50	76	44

† *Metric equivalents are for reference only*

EDP#	*d* † Diameter Decimal		*d* † Diameter Metric	*l1* Overall Length	*l2* Flute Length
90505	.2188	7/32"	5,56	3"	1-3/4"
90510	.2210	#2	5,61	3"	1-3/4"
90515	.2280	#1	5,79	3"	1-3/4"
90520	.2340	A	5,94	3-1/4"	2"
90525	.2344	15/64"	5,95	3-1/4"	2"
90530	.2362		**6,00**	**82**	**50**
90535	.2380	B	6,04	3-1/4"	2"
90540	.2420	C	6,15	3-1/4"	2"
90545	.2460	D	6,25	3-1/4"	2"
90550	.2500	1/4" / E	6,35	3-1/4"	2"
90555	.2559		**6,50**	**82**	**50**
90560	.2570	F	6,53	3-1/4"	2"
90565	.2610	G	6,63	3-1/2"	2-1/8"
90570	.2656	17/64"	6,75	3-1/2"	2-1/8"
90575	.2660	H	6,76	3-1/2"	2-1/8"
90580	.2720	I	6,91	3-1/2"	2-1/8"
90585	.2756		**7,00**	**88**	**54**
90590	.2770	J	7,03	3-1/2"	2-1/8"
90595	.2810	K	7,14	3-1/2"	2-1/8"
90600	.2812	9/32"	7,14	3-1/2"	2-1/8"
90605	.2900	L	7,37	3-1/2"	2-1/8"
90610	.2950	M	7,49	3-3/4"	2-3/8"
90615	.2953		**7,50**	**95**	**60**
90620	.2969	19/64"	7,54	3-3/4"	2-3/8"
90625	.3020	N	7,67	3-3/4"	2-3/8"
90630	.3125	5/16"	7,94	3-3/4"	2-3/8"
90635	.3150		**8,00**	**95**	**60**
90640	.3160	O	8,03	3-3/4"	2-3/8"
90645	.3230	P	8,20	3-3/4"	2-3/8"
90650	.3281	21/64"	8,33	4"	2-1/2"
90655	.3320	Q	8,43	4"	2-1/2"
90660	.3346		**8,50**	**101**	**63**
90665	.3390	R	8,61	4"	2-1/2"
90670	.3438	11/32"	8,73	4"	2-1/2"
90675	.3480	S	8,84	4"	2-1/2"
90680	.3543		**9,00**	**101**	**63**
90685	.3580	T	9,09	4-1/4"	2-3/4"
90690	.3594	23/64"	9,13	4-1/4"	2-3/4"
90695	.3680	U	9,35	4-1/4"	2-3/4"
90700	.3740		**9,50**	**107**	**70**
90705	.3750	3/8"	9,52	4-1/4"	2-3/4"
90710	.3770	V	9,57	4-1/4"	2-3/4"
90715	.3860	W	9,80	4-1/2"	2-7/8"
90720	.3906	25/64"	9,92	4-1/2"	2-7/8"
90725	.3937		**10,00**	**114**	**73**
90730	.3970	X	10,08	4-1/2"	2-7/8"
90735	.4040	Y	10,26	4-1/2"	2-7/8"
90740	.4062	13/32"	10,32	4-1/2"	2-7/8"
90745	.4130	Z	10,49	4-1/2"	2-7/8"
90750	.4134		**10,50**	**114**	**73**
90755	.4219	27/64"	10,72	4-1/2"	2-7/8"
90760	.4331		**11,00**	**114**	**73**
90765	.4375	7/16"	11,11	4-1/2"	2-7/8"
90770	.4528		**11,50**	**120**	**76**
90775	.4531	29/64"	11,51	4-3/4"	3"
90780	.4688	15/32"	11,91	4-3/4"	3"
90785	.4724		**12,00**	**120**	**76**
90790	.4844	31/64"	12,30	4-3/4"	3"
90795	.4921		**12,50**	**120**	**76**
90800	.5000	1/2"	12,70	4-3/4"	3"