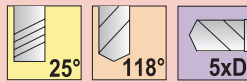


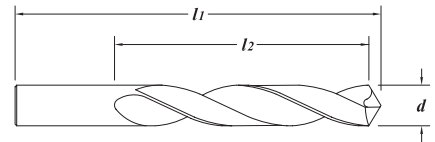
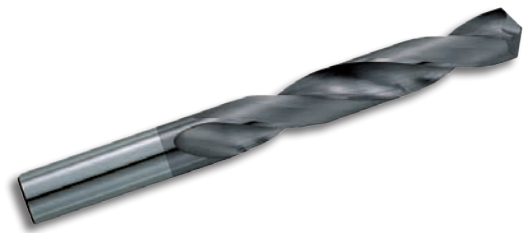
.0625" - .1575"
(1,59mm - 4,00mm)



TOLERANCES

d	+0,0000 -0,0127mm (+.0000" -.0005")
l ₁	≤ 1/8" +3,175 -1,588mm (+.125" -.062")
	> 1/8" +3,175 -3,175mm (+.125" -.125")
l ₂	≤ 1/8" +3,175 -1,588mm (+.125" -.062")
	> 1/8" +3,175 -3,175mm (+.125" -.125")

Balinit® HARDLUBE Coated
Balinit® HARDLUBE-Beschichtet
Recubrimiento de Balinit® HARDLUBE
Revêtement Balinit® HARDLUBE
Rivestimento in Balinit® HARDLUBE
Balinit® HARDLUBE 涂层



Solid submicron grain carbide drill
 General purpose jobber style
 Excellent heat resistance and lubricity
 Up to 40% faster than uncoated
 Cam point (≤1/8" diameter - 4-facet point)
 Live tooling recommended on lathe processes
 Shank tolerance: -0,0025 / -0,0100mm (-.0001" -.0004")



Vollhartmetallbohrer aus Feinkornhartmetall
 Universeller Bohrer
 Exzellente Hitzebeständigkeit und Schmiereigenschaften
 Bis zu 40% schneller als unbeschichtete Werkzeuge
 Durchmesser 3 mm (1/8") und kleiner - 118° Spitzenwinkel und 4-Fasen-Anschliff
 Empfehlung fuer den Einsatz auf der Drehmaschine
 Schaft-Toleranz: -0,0025 / -0,0100mm (-.0001" -.0004")



Broca de submicrograno sólido carburo
 Broca para uso general
 Excelente resistencia térmica y lubricación
 Hasta un 40% más rápido que sin recubrimiento
 Para diámetros de 1/8" e inferiores - punta de 4 caras de 118°
 Recomendación para la aplicación en torno
 Tolerancia del vástago: -0,0025 / -0,0100mm (-.0001" -.0004")



Forets carbure submicrograin
 Forets pour application generale
 Excellente resistance a la haute temperature et glissement
 40% plus rapide que le non revetu
 D1/8 et plus petit - 118° avec 4 faces de depouille
 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
 Punta per impieghi generali
 Eccellente resistenza al calore e autolubrificante
 Fino al 40% più veloce rispetto al non rivestito
 Affilatura a 118° punto
 Giri consigliati per forature su tornio
 Tolleranza gambo: -0,0025 / -0,0100mm (-.0001" -.0004")



整体硬质合金钻头
 通用型机用钻头
 耐热性和润滑性特好
 跟无涂层刀具相比可提高速度高达 40%
 (1/8英寸直径和 1/8英寸以下直径 - 118° 4-小平面刀尖)
 推荐在车床加工中
 柄部公差: -0,0025 / -0,0100mm (-.0001" -.0004")

EDP#	$d^{\dagger}$		l_1	l_2	
	Decimal	Diameter Metric			
56166	.0625	1/16"	1,59	1-5/8"	3/4"
56171	.0635	#52	1,61	1-11/16"	3/4"
56176	.0670	#51	1,70	1-11/16"	3/4"
56181	.0700	#50	1,78	1-11/16"	7/8"
56186	.0730	#49	1,85	1-11/16"	7/8"
56191	.0760	#48	1,93	1-11/16"	7/8"
56196	.0781	5/64"	1,98	1-11/16"	7/8"
56201	.0785	#47	1,99	1-3/4"	7/8"
56206	.0787		2,00	44	22
56211	.0810	#46	2,06	1-3/4"	7/8"
56216	.0820	#45	2,08	1-3/4"	7/8"
56221	.0860	#44	2,18	2"	1"
56226	.0890	#43	2,26	2"	1"
56231	.0935	#42	2,37	2"	1"
56236	.0938	3/32"	2,38	2"	1"
56241	.0960	#41	2,44	2"	1"
56246	.0980	#40	2,49	2"	1"
56251	.0984		2,50	57	32
56256	.0995	#39	2,53	2-1/4"	1-1/4"
56261	.1015	#38	2,58	2-1/4"	1-1/4"
56266	.1040	#37	2,64	2-1/4"	1-1/4"
56271	.1065	#36	2,71	2-1/4"	1-1/4"
56276	.1094	7/64"	2,78	2-1/4"	1-1/4"
56281	.1100	#35	2,79	2-1/4"	1-1/4"
56286	.1110	#34	2,82	2-1/4"	1-1/4"
56291	.1130	#33	2,87	2-1/4"	1-1/4"
56296	.1160	#32	2,95	2-1/4"	1-1/4"
56301	.1181		3,00	57	32
56306	.1200	#31	3,05	2-1/4"	1-1/4"
56311	.1250	1/8"	3,17	2-1/4"	1-1/4"
56316	.1285	#30	3,26	2-1/4"	1-1/4"
56321	.1360	#29	3,45	2-1/2"	1-3/8"
56326	.1378		3,50	63	35
56331	.1405	#28	3,57	2-1/2"	1-3/8"
56336	.1406	9/64"	3,57	2-1/2"	1-3/8"
56341	.1440	#27	3,66	2-1/2"	1-3/8"
56346	.1470	#26	3,73	2-1/2"	1-3/8"
56351	.1495	#25	3,80	2-1/2"	1-3/8"
56356	.1520	#24	3,86	2-1/2"	1-3/8"
56361	.1540	#23	3,91	2-1/2"	1-3/8"
56366	.1562	5/32"	3,97	2-1/2"	1-3/8"
56371	.1570	#22	3,99	2-1/2"	1-3/8"
56376	.1575		4,00	63	35

continued →

.1590" - .3346"
(4,04mm - 8,50mm)

EDP#	$d^{\dagger}$ Diameter			l_1 Overall Length	l_2 Flute Length
	Decimal		Metric		
56381	.1590	#21	4,04	2-1/2"	1-3/8"
56386	.1610	#20	4,09	2-1/2"	1-3/8"
56391	.1660	#19	4,22	2-3/4"	1-5/8"
56396	.1695	#18	4,30	2-3/4"	1-5/8"
56401	.1719	11/64"	4,37	2-3/4"	1-5/8"
56406	.1730	#17	4,39	2-3/4"	1-5/8"
56411	.1770	#16	4,49	2-3/4"	1-5/8"
56416	.1772		4,50	70	41
56421	.1800	#15	4,57	2-3/4"	1-5/8"
56426	.1820	#14	4,62	2-3/4"	1-5/8"
56431	.1850	#13	4,70	2-3/4"	1-5/8"
56436	.1875	3/16"	4,76	2-3/4"	1-5/8"
56441	.1890	#12	4,80	2-3/4"	1-5/8"
56446	.1910	#11	4,85	2-3/4"	1-5/8"
56451	.1935	#10	4,91	2-3/4"	1-5/8"
56456	.1960	#9	4,98	3"	1-3/4"
56461	.1969		5,00	76	44
56466	.1990	#8	5,05	3"	1-3/4"
56471	.2010	#7	5,10	3"	1-3/4"
56476	.2031	13/64"	5,16	3"	1-3/4"
56481	.2040	#6	5,18	3"	1-3/4"
56486	.2055	#5	5,22	3"	1-3/4"
56491	.2090	#4	5,31	3"	1-3/4"
56496	.2130	#3	5,41	3"	1-3/4"
56501	.2165		5,50	76	44
56506	.2188	7/32"	5,56	3"	1-3/4"
56511	.2210	#2	5,61	3"	1-3/4"
56516	.2280	#1	5,79	3"	1-3/4"
56521	.2340	A	5,94	3-1/4"	2"
56526	.2344	15/64"	5,95	3-1/4"	2"
56531	.2362		6,00	82	50
56536	.2380	B	6,04	3-1/4"	2"
56541	.2420	C	6,15	3-1/4"	2"
56546	.2460	D	6,25	3-1/4"	2"
56551	.2500	1/4" / E	6,35	3-1/4"	2"
56556	.2559		6,50	82	50
56561	.2570	F	6,53	3-1/4"	2"
56566	.2610	G	6,63	3-1/2"	2-1/8"
56571	.2656	17/64"	6,75	3-1/2"	2-1/8"
56576	.2660	H	6,76	3-1/2"	2-1/8"
56581	.2720	I	6,91	3-1/2"	2-1/8"
56586	.2756		7,00	88	54
56591	.2770	J	7,03	3-1/2"	2-1/8"
56596	.2810	K	7,14	3-1/2"	2-1/8"
56601	.2812	9/32"	7,14	3-1/2"	2-1/8"
56606	.2900	L	7,37	3-1/2"	2-1/8"
56611	.2950	M	7,49	3-3/4"	2-3/8"
56616	.2953		7,50	95	60
56621	.2969	19/64"	7,54	3-3/4"	2-3/8"
56626	.3020	N	7,67	3-3/4"	2-3/8"
56631	.3125	5/16"	7,94	3-3/4"	2-3/8"
56636	.3150		8,00	95	60
56641	.3160	O	8,03	3-3/4"	2-3/8"
56646	.3230	P	8,20	3-3/4"	2-3/8"
56651	.3281	21/64"	8,33	4"	2-1/2"
56656	.3320	Q	8,43	4"	2-1/2"
56661	.3346		8,50	101	63

1200H / z = 2 (continued)

.3390" - .5000"
(8,61mm - 12,70mm)

DRILLS

EDP#	$d^{\dagger}$ Diameter		l_1 Overall Length	l_2 Flute Length
	Decimal	Metric		
56666	.3390	R 8,61	4"	2-1/2"
56671	.3438	11/32" 8,73	4"	2-1/2"
56676	.3480	S 8,84	4"	2-1/2"
56681	.3543	9,00	101	63
56686	.3580	T 9,09	4-1/4"	2-3/4"
56691	.3594	23/64" 9,13	4-1/4"	2-3/4"
56696	.3680	U 9,35	4-1/4"	2-3/4"
56701	.3740	9,50	107	70
56706	.3750	3/8" 9,52	4-1/4"	2-3/4"
56711	.3770	V 9,57	4-1/4"	2-3/4"
56716	.3860	W 9,80	4-1/2"	2-7/8"
56721	.3906	25/64" 9,92	4-1/2"	2-7/8"
56726	.3937	10,00	114	73
56731	.3970	X 10,08	4-1/2"	2-7/8"
56736	.4040	Y 10,26	4-1/2"	2-7/8"
56741	.4062	13/32" 10,32	4-1/2"	2-7/8"
56746	.4130	Z 10,49	4-1/2"	2-7/8"
56751	.4134	10,50	114	73
56756	.4219	27/64" 10,72	4-1/2"	2-7/8"
56761	.4331	11,00	114	73
56766	.4375	7/16" 11,11	4-1/2"	2-7/8"
56771	.4528	11,50	120	76
56776	.4531	29/64" 11,51	4-3/4"	3"
56781	.4688	15/32" 11,91	4-3/4"	3"
56786	.4724	12,00	120	76
56791	.4844	31/64" 12,30	4-3/4"	3"
56796	.4921	12,50	120	76
56801	.5000	1/2" 12,70	4-3/4"	3"