

**TOLERANCES**

$d_1$	+0.000" - .0004" (+.000 - .010mm)
$d_2$	h6
$l_1$	+ .125" - .125" (+3.175 - 3.175mm)
$l_2$	+ .125" - .125" (+3.175 - 3.175mm)

**Series 1550H, 1250H, 1850H**

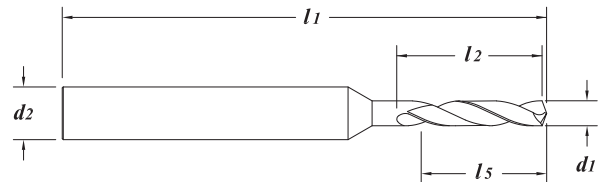


.0312" - .0354"  
(0.792mm - 0.900mm)

Recommended for high nickel, high temperature alloys, cobalt-based alloys, stainless steels, and tool steels >40 Rc

**BALIQ® ALTINOS Coating (AlTiN-based)**

High performance solid submicron grain carbide drill on 3mm or 1/8" diameter shank  
30° helix for better chip evacuation  
Live tooling recommended on lathe processes



3xD (1550H) EDP#	5xD (1250H) EDP#	12xD (1850H) EDP#	$d_1$ † Diameter		$d_2$ Shank Diameter	$l_1$ Overall Length	$l_2$ Flute Length	$l_5$ Max Drill Depth	LIST PRICE
			Decimal	Metric					
00100			.0312	1/32"	0.792	1/8"	2"	.099"	36.18
	00304		.0312	1/32"	0.792	1/8"	2"	.162"	37.50
		00510	.0312	1/32"	0.792	1/8"	2"	.380"	41.46
	00306		.0315		0.800	3.0	50	4	36.97
		00512	.0315		0.800	3.0	50	10	40.89
	00308		.0319		0.810	3.0	50	4	36.97
00106			.0320	#67	0.812	1/8"	2"	.102"	36.18
	00310		.0320	#67	0.812	1/8"	2"	.166"	37.50
		00516	.0320	#67	0.812	1/8"	2"	.390"	41.46
		00518	.0323		0.820	3.0	50	10	40.89
00112			.0330	#66	0.838	1/8"	2"	.105"	36.18
	00316		.0330	#66	0.838	1/8"	2"	.171"	37.50
		00522	.0330	#66	0.838	1/8"	2"	.402"	41.46
	00318		.0331		0.840	3.0	50	4	36.97
		00524	.0331		0.840	3.0	50	10	40.89
00116			.0335		0.850	3.0	50	4.5	35.58
		00526	.0335		0.850	3.0	50	10	40.89
	00322		.0339		0.860	3.0	50	6.5	36.97
		00528	.0339		0.860	3.0	50	10	40.89
00120			.0343		0.870	3.0	50	4.5	35.58
		00530	.0343		0.870	3.0	50	13.0	40.89
00122			.0346		0.880	3.0	50	4.5	35.58
00124			.0350	#65	0.890	3.0	50	4.5	35.58
	00328		.0350	#65	0.890	3.0	50	6.5	36.97
		00534	.0350	#65	0.890	3.0	50	13.0	40.89
	00330		.0354		0.900	3.0	50	6.5	36.97
		00536	.0354		0.900	3.0	50	11	40.89

continued →

Series 1550H,1250H,1850H (continued)

.0358" - .0465"  
(0.910mm - 1.181mm)

3xD (1550H) EDP#	5xD (1250H) EDP#	12xD (1850H) EDP#	$d1$ † Diameter		$d2$ Shank Diameter	$l1$ Overall Length	$l2$ Flute Length	$l5$ Max Drill Depth	LIST PRICE	
			Decimal	Metric						
	00332		.0358	#64	0.910	3.0	50	6.5	5	36.97
00130			.0360	#64	0.914	1/8"	2"	3/16"	.115"	36.18
	00334		.0360	#64	0.914	1/8"	2"	1/4"	.187"	37.50
		00540	.0360	#64	0.914	1/8"	2"	1/2"	.439"	41.46
00134			.0366		0.930	3.0	50	5.0	3	35.58
00136			.0370	#63	0.940	3.0	50	5.0	3	35.58
	00340		.0370	#63	0.940	3.0	50	7.0	5	36.97
		00546	.0370	#63	0.940	3.0	50	14.0	11	39.32
00138			.0374		0.950	3.0	50	5.0	3	35.58
00142			.0380	#62	0.965	1/8"	2"	3/16"	.120"	36.18
	00346		.0380	#62	0.965	1/8"	2"	17/64"	.197"	37.50
		00552	.0380	#62	0.965	1/8"	2"	9/16"	.463"	41.46
		00556	.0386		0.980	3.0	50	14.0	12	40.89
00148			.0390	#61	0.990	3.0	50	5.0	3	35.58
		00558	.0390	#61	0.990	3.0	50	14.0	12	40.89
00150			.0394		1.000	3.0	50	5.0	3	35.58
	00354		.0394		1.000	3.0	50	7.0	5	36.97
		00560	.0394		1.000	3.0	50	14.0	12	40.89
00152			.0400	#60	1.016	1/8"	2"	13/64"	.127"	35.83
	00356		.0400	#60	1.016	1/8"	2"	9/32"	.207"	37.16
		00562	.0400	#60	1.016	1/8"	2"	9/16"	.487"	41.08
00154			.0410	#59	1.041	1/8"	2"	13/64"	.131"	35.83
	00358		.0410	#59	1.041	1/8"	2"	9/32"	.213"	37.16
		00564	.0410	#59	1.041	1/8"	2"	9/16"	.500"	41.08
00156			.0413		1.050	3.0	50	5.5	3	35.23
	00360		.0413		1.050	3.0	50	7.5	5	35.26
		00566	.0413		1.050	3.0	50	15.0	13	40.55
00158			.0420	#58	1.066	1/8"	2"	7/32"	.134"	35.83
	00362		.0420	#58	1.066	1/8"	2"	5/16"	.218"	37.16
00160			.0430	#57	1.092	1/8"	2"	7/32"	.137"	35.83
	00364		.0430	#57	1.092	1/8"	2"	5/16"	.223"	37.16
		00570	.0430	#57	1.092	1/8"	2"	9/16"	.524"	41.08
00162			.0433		1.100	3.0	50	5.5	4	35.23
	00366		.0433		1.100	3.0	50	8.0	6	36.67
		00572	.0433		1.100	3.0	50	16.0	13	40.55
00164			.0453		1.150	3.0	50	6.0	4	35.23
	00368		.0453		1.150	3.0	50	8.0	6	36.67
		00574	.0453		1.150	3.0	50	16.0	14	40.55
00166			.0465	#56	1.181	1/8"	2"	15/64"	.148"	35.83
	00370		.0465	#56	1.181	1/8"	2"	11/32"	.241"	37.16
		00576	.0465	#56	1.181	1/8"	2"	5/8"	.567"	41.08

Series 1550H,1250H,1850H (continued)

.0469" - .0689"  
(1.191mm - 1.750mm)

HIGH PERFORMANCE  
DRILLS

3xD (1550H) EDP#	5xD (1250H) EDP#	12xD (1850H) EDP#	<i>d1</i> † Diameter		<i>d2</i> Shank Diameter	<i>l1</i> Overall Length	<i>l2</i> Flute Length	<i>l5</i> Max Drill Depth	LIST PRICE	
			Decimal	Metric						
00168			.0469	3/64"	1.191	1/8"	2"	15/64"	.149"	35.83
	00372		.0469	3/64"	1.191	1/8"	2"	11/32"	.243"	37.16
		00578	.0469	3/64"	1.191	1/8"	2"	5/8"	.571"	41.08
00170			.0472		1.200	3.0	50	6.0	4	35.23
	00374		.0472		1.200	3.0	50	9.0	6	36.67
		00580	.0472		1.200	3.0	50	18.0	15	40.55
00172			.0492		1.250	3.0	50	6.5	4	35.23
	00376		.0492		1.250	3.0	50	9.0	6	36.67
		00582	.0492		1.250	3.0	50	18.0	15	40.55
00174			.0512		1.300	3.0	50	6.5	4	34.89
	00378		.0512		1.300	3.0	50	9.0	7	36.29
		00584	.0512		1.300	3.0	50	18.0	16	40.12
00176			.0520	#55	1.320	1/8"	2"	17/64"	.166"	35.15
	00380		.0520	#55	1.320	1/8"	2"	3/8"	.270"	36.82
		00586	.0520	#55	1.320	1/8"	2"	3/4"	.634"	40.70
00178			.0531		1.350	3.0	50	6.5	4	34.89
	00382		.0531		1.350	3.0	50	9.5	7	36.29
		00588	.0531		1.350	3.0	50	19.0	16	40.12
00180			.0550	#54	1.397	1/8"	2"	9/32"	.175"	35.15
	00384		.0550	#54	1.397	1/8"	2"	3/8"	.285"	36.82
		00590	.0550	#54	1.397	1/8"	2"	3/4"	.670"	40.70
00182			.0551		1.400	3.0	50	7.0	4	34.89
	00386		.0551		1.400	3.0	50	10.0	7	36.29
		00592	.0551		1.400	3.0	65	20.0	17	41.95
00184			.0571		1.450	3.0	50	7.0	5	34.89
	00388		.0571		1.450	3.0	50	10.5	8	36.29
		00594	.0571		1.450	3.0	65	21.0	18	41.95
00186			.0591		1.500	3.0	50	7.5	5	34.89
	00390		.0591		1.500	3.0	50	10.5	8	36.29
		00596	.0591		1.500	3.0	65	21.0	18	41.95
00188			.0595	#53	1.511	1/8"	2"	19/64"	.189"	35.15
	00392		.0595	#53	1.511	1/8"	2"	7/16"	.308"	36.82
		00598	.0595	#53	1.511	1/8"	2-1/2"	13/16"	.725"	42.56
00190			.0610		1.550	3.0	50	7.5	5	34.53
	00394		.0610		1.550	3.0	50	11.0	8	35.95
		00600	.0610		1.550	3.0	65	22.0	19	41.61
00192			.0625	1/16"	1.587	1/8"	2"	5/16"	.199"	35.15
	00396		.0625	1/16"	1.587	1/8"	2"	7/16"	.324"	36.47
		00602	.0625	1/16"	1.587	1/8"	2-1/2"	13/16"	.761"	42.18
00194			.0630		1.600	3.0	50	7.5	6	34.53
	00398		.0630		1.600	3.0	50	11.0	8	35.95
		00604	.0630		1.600	3.0	65	22.0	19	41.61
00196			.0635	#52	1.613	1/8"	2"	5/16"	.202"	35.15
	00400		.0635	#52	1.613	1/8"	2"	15/32"	.329"	36.47
		00606	.0635	#52	1.613	1/8"	2-1/2"	7/8"	.774"	42.18
00198			.0650		1.650	3.0	50	8.5	5	34.53
	00402		.0650		1.650	3.0	50	11.5	9	35.95
		00608	.0650		1.650	3.0	65	23.0	20	41.61
00200			.0669		1.700	3.0	50	8.5	5	34.53
	00404		.0669		1.700	3.0	50	11.5	9	35.95
		00610	.0669		1.700	3.0	65	23.0	21	41.61
00202			.0670	#51	1.702	1/8"	2"	11/32"	.213"	35.15
	00406		.0670	#51	1.702	1/8"	2"	15/32"	.347"	36.47
		00612	.0670	#51	1.702	1/8"	2-1/2"	7/8"	.816"	42.18
00204			.0689		1.750	3.0	50	9.0	6	34.53
	00408		.0689		1.750	3.0	50	12.0	9	35.95
		00614	.0689		1.750	3.0	65	24.0	21	41.61

continued →

Series 1550H,1250H,1850H (continued)

.0700" - .0846"  
(1.778mm - 2.150mm)

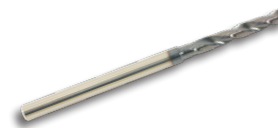


TOLERANCES	
$d_1$	+0.000" - .0004" (+.000 - .010mm)
$d_2$	h6
$l_1$	+0.125" - .125" (+3.175 - 3.175mm)
$l_2$	+0.125" - .125" (+3.175 - 3.175mm)

Recommended for high nickel, high temperature alloys, cobalt-based alloys, stainless steels, and tool steels >40 Rc

BALIQ® ALTINOS Coating (AlTiN-based)

High performance solid submicron grain carbide drill on 3mm or 1/8" diameter shank



3xD (1550H) EDP#	5xD (1250H) EDP#	12xD (1850H) EDP#	$d_1$ † Diameter		$d_2$ Shank Diameter	$l_1$ Overall Length	$l_2$ Flute Length	$l_5$ Max Drill Depth	LIST PRICE	
			Decimal	Metric						
00206			.0700	#50	1.778	1/8"	2"	23/64"	.223"	34.80
	00410		.0700	#50	1.778	1/8"	2"	1/2"	.363"	36.11
		00616	.0700	#50	1.778	1/8"	2-1/2"	1"	.853"	41.76
00208			.0709		1.800	3.0	50	9.0	6	34.20
	00412		.0709		1.800	3.0	50	13.0	9	35.61
		00618	.0709		1.800	3.0	65	26.0	22	41.19
00210			.0728		1.850	3.0	50	9.5	6	34.20
		00620	.0728		1.850	3.0	65	26.0	23	41.19
00212			.0730	#49	1.854	1/8"	2"	3/8"	.232"	34.80
	00416		.0730	#49	1.854	1/8"	2"	1/2"	.378"	36.11
		00622	.0730	#49	1.854	1/8"	2-1/2"	1"	.889"	41.76
00214			.0748		1.900	3.0	50	9.5	6	34.20
	00418		.0748		1.900	3.0	50	13.5	10	35.61
		00624	.0748		1.900	3.0	65	27.0	23	41.19
00216			.0760	#48	1.930	1/8"	2"	3/8"	.242"	34.80
	00420		.0760	#48	1.930	1/8"	2"	17/32"	.394"	36.11
		00626	.0760	#48	1.930	1/8"	2-1/2"	1-1/8"	.926"	44.00
00218			.0768		1.950	3.0	50	10.0	6	34.20
	00422		.0768		1.950	3.0	50	14.0	10	35.61
		00628	.0768		1.950	3.0	65	28.0	24	43.40
00220			.0781	5/64"	1.983	1/8"	2"	13/32"	.249"	34.80
	00424		.0781	5/64"	1.983	1/8"	2"	9/16"	.405"	36.11
		00630	.0781	5/64"	1.983	1/8"	2-1/2"	1-1/8"	.951"	44.00
00222			.0785	#47	1.994	1/8"	2"	13/32"	.250"	34.80
	00426		.0785	#47	1.994	1/8"	2"	9/16"	.407"	36.11
		00632	.0785	#47	1.994	1/8"	2-1/2"	1-1/8"	.956"	44.00
00224			.0787		2.000	3.0	50	10.0	6	34.20
	00428		.0787		2.000	3.0	50	14.0	10	35.61
		00634	.0787		2.000	3.0	65	28.0	24	43.40
00226			.0807		2.050	3.0	50	10.5	7	33.84
	00430		.0807		2.050	3.0	50	14.0	11	35.25
		00636	.0807		2.050	3.0	65	28.0	25	43.01
00228			.0810	#46	2.057	1/8"	2"	27/64"	.258"	34.45
	00432		.0810	#46	2.057	1/8"	2"	9/16"	.420"	35.78
		00638	.0810	#46	2.057	1/8"	2-1/2"	1-1/8"	.987"	43.64
00230			.0820	#45	2.083	1/8"	2"	27/64"	.261"	34.45
	00434		.0820	#45	2.083	1/8"	2"	9/16"	.425"	35.78
		00640	.0820	#45	2.083	1/8"	2-1/2"	1-1/8"	.999"	43.64
00232			.0827		2.100	3.0	50	10.5	7	33.84
	00436		.0827		2.100	3.0	50	14.5	11	35.25
		00642	.0827		2.100	3.0	65	29.0	26	43.01
00234			.0846		2.150	3.0	50	11.0	7	33.84
	00438		.0846		2.150	3.0	50	14.5	11	35.25
		00644	.0846		2.150	3.0	65	29.0	26	43.01

3xD (1550H) EDP#	5xD (1250H) EDP#	12xD (1850H) EDP#	<i>d1</i> † Diameter		<i>d2</i> Shank Diameter	<i>l1</i> Overall Length	<i>l2</i> Flute Length	<i>l5</i> Max Drill Depth	LIST PRICE	
			Decimal	Metric						
00236			.0860	#44	2.184	1/8"	2"	7/16"	.274"	34.45
	00440		.0860	#44	2.184	1/8"	2"	19/32"	.446"	35.78
		00646	.0860	#44	2.184	1/8"	2-1/2"	1-3/16"	1.048"	43.64
00238			.0866		2.200	3.0	50	11.0	7	33.84
	00442		.0866		2.200	3.0	50	15.5	11	35.25
		00648	.0866		2.200	3.0	65	31.0	27	43.01
00240			.0886		2.250	3.0	50	11.5	7	33.84
00242			.0890	#43	2.260	1/8"	2"	29/64"	.283"	34.45
	00446		.0890	#43	2.260	1/8"	2"	5/8"	.461"	35.78
		00652	.0890	#43	2.260	1/8"	2-1/2"	1-1/4"	1.084"	43.64
00244			.0906		2.300	3.0	50	11.5	7	33.51
	00448		.0906		2.300	3.0	50	16.0	12	34.91
		00654	.0906		2.300	3.0	65	32.0	28	42.60
00246			.0925		2.350	3.0	50	12.0	7	33.51
	00450		.0925		2.350	3.0	50	16.0	12	33.57
		00656	.0925		2.350	3.0	65	32.0	29	42.60
00248			.0935	#42	2.375	1/8"	2"	31/64"	.298"	34.10
	00452		.0935	#42	2.375	1/8"	2"	21/32"	.485"	35.43
		00658	.0935	#42	2.375	1/8"	3"	1-5/16"	1.139"	43.23
00250			.0938	3/32"	2.382	1/8"	2"	31/64"	.299"	34.10
	00454		.0938	3/32"	2.382	1/8"	2"	21/32"	.486"	35.43
		00660	.0938	3/32"	2.382	1/8"	3"	1-5/16"	1.143"	43.23
00252			.0945		2.400	3.0	50	12.0	8	33.51
	00456		.0945		2.400	3.0	50	17.0	12	34.91
		00662	.0945		2.400	3.0	75	34.0	29	42.60
00254			.0960	#41	2.438	1/8"	2"	31/64"	.306"	34.10
	00458		.0960	#41	2.438	1/8"	2"	43/64"	.498"	35.43
		00664	.0960	#41	2.438	1/8"	3"	1-11/32"	1.170"	43.23
00256			.0965		2.450	3.0	50	12.5	8	33.51
00258			.0980	#40	2.489	1/8"	2"	1/2"	.312"	34.10
	00462		.0980	#40	2.489	1/8"	2"	11/16"	.508"	35.43
		00668	.0980	#40	2.489	1/8"	3"	1-3/8"	1.194"	43.23
00260			.0984		2.500	3.0	50	12.5	8	33.51
	00464		.0984		2.500	3.0	50	17.5	13	34.91
		00670	.0984		2.500	3.0	75	35.0	30	42.60
00262			.0995	#39	2.527	1/8"	2"	1/2"	.317"	34.10
	00466		.0995	#39	2.527	1/8"	2"	11/16"	.516"	35.43
		00672	.0995	#39	2.527	1/8"	3"	1-3/8"	1.212"	43.23
00264			.1004		2.550	3.0	50	13.0	8	33.19
	00468		.1004		2.550	3.0	50	17.5	13	34.60
		00674	.1004		2.550	3.0	75	35.0	31	42.24
00266			.1015	#38	2.578	1/8"	2"	17/32"	.323"	33.79
	00470		.1015	#38	2.578	1/8"	2"	45/64"	.526"	35.12
		00676	.1015	#38	2.578	1/8"	3"	1-13/32"	1.237"	42.85
00268			.1024		2.600	3.0	50	13.0	8	33.19
	00472		.1024		2.600	3.0	50	18.0	13	34.60
		00678	.1024		2.600	3.0	75	36.0	32	42.24
00270			.1040	#37	2.641	1/8"	2"	17/32"	.331"	33.79
	00474		.1040	#37	2.641	1/8"	2"	23/32"	.539"	35.12
		00680	.1040	#37	2.641	1/8"	3"	1-7/16"	1.267"	42.85
00272			.1043		2.650	3.0	50	13.5	8	33.19
	00476		.1043		2.650	3.0	50	18.5	14	34.60
		00682	.1043		2.650	3.0	75	37.0	32	42.24

continued →

Series 1550H,1250H,1850H (continued)

.1063" - .1250"  
(2.700mm - 3.175mm)

3xD (1550H) EDP#	5xD (1250H) EDP#	12xD (1850H) EDP#	$d1$ † Diameter		$d2$ Shank Diameter	$l1$ Overall Length	$l2$ Flute Length	$l5$ Max Drill Depth	LIST PRICE
			Decimal	Metric					
00274			.1063	2.700	3.0	50	13.5	9	33.19
	00478		.1063	2.700	3.0	50	19.0	14	34.60
		00684	.1063	2.700	3.0	75	38.0	33	42.24
00276			.1065	#36 2.705	1/8"	2"	17/32"	.339"	33.79
	00480		.1065	#36 2.705	1/8"	2"	3/4"	.552"	35.12
		00686	.1065	#36 2.705	1/8"	3"	1-1/2"	1.297"	42.85
00278			.1083	2.750	3.0	50	14.0	9	33.19
	00482		.1083	2.750	3.0	50	19.5	14	34.60
		00688	.1083	2.750	3.0	75	39.0	34	42.24
00280			.1094	7/64" 2.778	1/8"	2"	9/16"	.348"	33.79
	00484		.1094	7/64" 2.778	1/8"	2"	49/64"	.567"	35.12
		00690	.1094	7/64" 2.778	1/8"	3"	1-9/16"	1.333"	42.85
00282			.1100	#35 2.794	1/8"	2"	9/16"	.350"	33.79
	00486		.1100	#35 2.794	1/8"	2"	49/64"	.570"	35.12
		00692	.1100	#35 2.794	1/8"	3"	1-9/16"	1.340"	42.85
00284			.1102	2.800	3.0	50	14.0	9	33.19
	00488		.1102	2.800	3.0	50	19.5	15	34.60
		00694	.1102	2.800	3.0	75	39.0	34	42.24
00286			.1110	#34 2.819	1/8"	2"	9/16"	.353"	33.79
	00490		.1110	#34 2.819	1/8"	2"	25/32"	.575"	35.12
		00696	.1110	#34 2.819	1/8"	3"	1-5/8"	1.352"	42.85
00288			.1122	2.850	3.0	50	14.5	9	33.19
		00698	.1122	2.850	3.0	75	40.0	35	42.24
00290			.1130	#33 2.870	1/8"	2"	19/32"	.356"	33.79
	00494		.1130	#33 2.870	1/8"	2"	51/64"	.586"	35.12
		00700	.1130	#33 2.870	1/8"	3"	1-5/8"	1.377"	42.85
00292			.1142	2.900	3.0	50	14.5	9	33.19
	00496		.1142	2.900	3.0	50	20.0	15	34.60
		00702	.1142	2.900	3.0	75	40.0	35	42.24
00294			.1160	#32 2.946	1/8"	2"	19/32"	.369"	33.79
	00498		.1160	#32 2.946	1/8"	2"	13/16"	.601"	35.12
		00704	.1160	#32 2.946	1/8"	3"	1-5/8"	1.413"	42.85
00296			.1161	2.950	3.0	50	15.0	9	33.19
		00706	.1161	2.950	3.0	75	42.0	36	42.24
00298			.1181	3.000	3.0	50	15.0	10	31.18
	00502		.1181	3.000	3.0	50	21.0	16	32.58
		00708	.1181	3.000	3.0	75	42.0	37	39.85
00300			.1200	#31 3.048	1/8"	2"	5/8"	.382"	33.79
	00504		.1200	#31 3.048	1/8"	2"	7/8"	.622"	35.12
		00710	.1200	#31 3.048	1/8"	3"	1-3/4"	1.462"	42.85
00302			.1250	1/8" 3.175	1/8"	2"	5/8"	.398"	31.78
	00506		.1250	1/8" 3.175	1/8"	2"	7/8"	.648"	33.10
		00712	.1250	1/8" 3.175	1/8"	3"	1-3/4"	1.523"	40.47