

**TOLERANCES**

<i>d1</i>	h7
<i>d2</i>	h6
<i>l1</i>	+0.1181" - .1181" (+3.00 - 3.00mm)
<i>l2</i>	+0.1181" - .1181" (+3.00 - 3.00mm)
<i>l4</i>	+0.0787" - .0000" (+2.00 - 0.00mm)



**Series HTD**

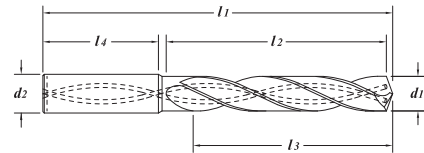
.1181" - .2188"  
(3.000mm - 5.557mm)

**HIGH PERFORMANCE DRILLS**

Recommended for high nickel, high temperature alloys, cobalt-based alloys, stainless steels, and tool steels <52 Rc

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

- High performance solid submicron grain carbide drill with reinforced (HA) shank
- h7 drill diameter tolerance
- Double margin for true and cleaner holes
- Coolant through
- Polished flutes
- 140° Facet point
- Pilot drill not required for most applications



EDP#	<i>d1</i> Diameter		<i>d2</i> Shank Diameter	<i>l1</i> Overall Length	<i>l2</i> Flute Length	<i>l3</i> Max Drill Depth	<i>l4</i> Shank Length	LIST PRICE
	Decimal	Metric						
69064	.1181	3.000	6.0	80	40	35	36	115.92
69066	.1220	3.100	6.0	80	40	35	36	115.92
69068	.1250	1/8"	3.175	6.0	82	42	37	115.92
69070	.1260		3.200	6.0	82	42	37	115.92
69072	.1285	#30	3.264	6.0	82	42	37	115.92
69074	.1299		3.300	6.0	82	42	37	115.92
69076	.1360	#29	3.454	6.0	85	45	40	115.92
69078	.1378		3.500	6.0	85	45	40	115.92
69080	.1417		3.600	6.0	85	45	40	115.92
69082	.1457		3.700	6.0	90	50	44	115.92
69084	.1476		3.750	6.0	90	50	44	115.92
69086	.1496		3.800	6.0	90	50	44	115.92
69088	.1535		3.900	6.0	90	50	44	115.92
69090	.1562	5/32"	3.967	6.0	90	50	44	115.92
69092	.1575		4.000	6.0	95	55	48	115.92
69094	.1614		4.100	6.0	95	55	48	115.92
69096	.1654		4.200	6.0	95	55	48	115.92
69098	.1673		4.250	6.0	95	55	48	115.92
69100	.1693		4.300	6.0	95	55	48	115.92
69102	.1719	11/64"	4.366	6.0	95	55	48	115.92
69104	.1732		4.400	6.0	95	55	48	115.92
69106	.1772		4.500	6.0	100	60	54	115.92
69108	.1811		4.600	6.0	100	60	54	115.92
69110	.1831		4.650	6.0	100	60	54	115.92
69112	.1850		4.700	6.0	100	60	54	115.92
69114	.1875	3/16"	4.762	6.0	100	60	54	115.92
69116	.1890	#12	4.800	6.0	100	60	54	115.92
69118	.1929		4.900	6.0	100	60	54	115.92
69120	.1969		5.000	6.0	105	65	58	115.92
69122	.2010	#7	5.105	6.0	105	65	58	115.92
69124	.2028		5.150	6.0	105	65	58	115.92
69126	.2031	13/64"	5.159	6.0	105	65	58	115.92
69128	.2047		5.200	6.0	110	70	63	115.92
69130	.2087		5.300	6.0	110	70	63	115.92
69132	.2165		5.500	6.0	110	70	63	115.92
69134	.2188	7/32"	5.557	6.0	110	70	63	115.92

continued →

Series HTD (continued)

.2205" - .3937"  
(5.600mm - 10.000mm)

EDP#	d1 Diameter		d2 Shank Diameter	l1 Overall Length	l2 Flute Length	l3 Max Drill Depth	l4 Shank Length	LIST PRICE
	Decimal	Metric						
69136	.2205	5.600	6.0	115	75	67	36	115.92
69138	.2244	5.700	6.0	115	75	67	36	115.92
69140	.2283	5.800	6.0	115	75	67	36	115.92
69142	.2323	5.900	6.0	115	75	67	36	115.92
69144	.2344	15/64"	5.954	6.0	120	80	72	115.92
69146	.2362	6.000	6.0	120	80	72	36	115.92
69148	.2370	6.020	8.0	120	80	72	36	158.70
69150	.2402	6.100	8.0	120	80	72	36	158.70
69152	.2441	6.200	8.0	120	80	72	36	158.70
69154	.2480	6.300	8.0	120	80	72	36	158.70
69156	.2500	1/4"	6.350	8.0	125	85	77	158.70
69158	.2520	6.400	8.0	125	85	77	36	158.70
69160	.2559	6.500	8.0	125	85	77	36	158.70
69162	.2598	6.600	8.0	125	85	77	36	158.70
69164	.2638	6.700	8.0	125	85	77	36	158.70
69166	.2656	17/64"	6.746	8.0	130	90	81	158.70
69168	.2677	6.800	8.0	130	90	81	36	158.70
69170	.2717	6.900	8.0	130	90	81	36	158.70
69172	.2756	7.000	8.0	130	90	81	36	158.70
69174	.2795	7.100	8.0	130	90	81	36	158.70
69176	.2812	9/32"	7.142	8.0	135	95	87	158.70
69178	.2835	7.200	8.0	135	95	87	36	158.70
69180	.2874	7.300	8.0	135	95	87	36	158.70
69182	.2913	7.400	8.0	135	95	87	36	158.70
69184	.2953	7.500	8.0	135	95	87	36	158.70
69186	.2969	19/64"	7.541	8.0	141	101	92	158.70
69188	.2992	7.600	8.0	141	101	92	36	158.70
69190	.3031	7.700	8.0	141	101	92	36	158.70
69192	.3071	7.800	8.0	141	101	92	36	158.70
69194	.3125	5/16"	7.937	8.0	141	101	92	158.70
69196	.3150	8.000	8.0	141	101	92	36	158.70
69198	.3189	8.100	10.0	152	108	97	40	241.17
69200	.3228	8.200	10.0	152	108	97	40	241.17
69202	.3268	8.300	10.0	152	108	97	40	241.17
69204	.3287	8.350	10.0	152	108	97	40	241.17
69206	.3307	8.400	10.0	152	108	97	40	241.17
69208	.3346	8.500	10.0	152	108	97	40	241.17
69210	.3386	8.600	10.0	158	114	104	40	241.17
69212	.3425	8.700	10.0	158	114	104	40	241.17
69214	.3438	11/32"	8.732	10.0	158	114	104	241.17
69216	.3445	8.750	10.0	158	114	104	40	241.17
69218	.3465	8.800	10.0	158	114	104	40	241.17
69220	.3504	8.900	10.0	158	114	104	40	241.17
69222	.3543	9.000	10.0	158	114	104	40	241.17
69224	.3583	9.100	10.0	163	119	108	40	241.17
69226	.3602	9.150	10.0	163	119	108	40	241.17
69228	.3622	9.200	10.0	163	119	108	40	241.17
69230	.3661	9.300	10.0	163	119	108	40	241.17
69232	.3701	9.400	10.0	163	119	108	40	241.17
69234	.3740	9.500	10.0	163	119	108	40	241.17
69236	.3750	3/8"	9.525	10.0	172	128	114	241.17
69238	.3780	9.600	10.0	172	128	114	40	241.17
69240	.3819	9.700	10.0	172	128	114	40	241.17
69242	.3858	9.800	10.0	172	128	114	40	241.17
69244	.3898	9.900	10.0	172	128	114	40	241.17
69246	.3937	10.000	10.0	172	128	114	40	241.17

EDP#	<i>d1</i> Diameter		<i>d2</i> Shank Diameter	<i>l1</i> Overall Length	<i>l2</i> Flute Length	<i>l3</i> Max Drill Depth	<i>l4</i> Shank Length	LIST PRICE	
	Decimal	Metric							
69248	.3976	10.100	12.0	185	136	124	45	316.35	
69250	.4016	10.200	12.0	185	136	124	45	316.35	
69252	.4062	13/32"	10.317	12.0	185	136	124	45	316.35
69254	.4134	10.500	12.0	185	136	124	45	316.35	
69256	.4213	10.700	12.0	185	136	124	45	316.35	
69258	.4252	10.800	12.0	185	136	124	45	316.35	
69260	.4331	11.000	12.0	185	136	124	45	316.35	
69262	.4375	7/16"	11.112	12.0	196	147	45	316.35	
69264	.4409	11.200	12.0	196	147	135	45	316.35	
69266	.4488	11.400	12.0	196	147	135	45	316.35	
69268	.4528	11.500	12.0	196	147	135	45	316.35	
69270	.4688	15/32"	11.907	12.0	202	153	45	316.35	
69272	.4724	12.000	12.0	202	153	140	45	316.35	

