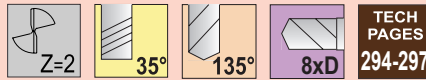


Series 1800H

.1875" - .3125"
(4.763mm - 7.938mm)



TOLERANCES	
d	+0.000" -0.005" (+0.000 -0.127mm)
l_1	+0.125" -0.125" (+3.175 -3.175mm)
l_2	+0.125" -0.125" (+3.175 -3.175mm)

Recommended for deep holes in soft, non-ferrous materials (aluminum, brass, bronze)

Parabolic

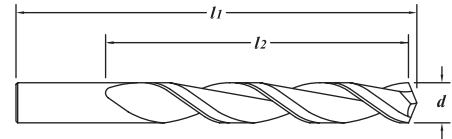
Hardlube Coating

Solid submicron grain carbide drill

Wide open flutes and high helix remove chips quickly

4-facet point

Live tooling recommended on lathe processes



EDP#	d †		l_1	l_2	1-11	12-24	25-49	50-100	
	Decimal	Diameter Metric							
22436	.1875	3/16"	4.763	3-13/16"	2-5/16"	23.69	22.66	21.63	20.60
22441	.1890	#12	4.801	3-13/16"	2-5/16"	24.23	23.18	22.12	21.07
22446	.1910	#11	4.851	3-13/16"	2-5/16"	24.78	23.71	22.63	21.55
22451	.1935	#10	4.915	3-15/16"	2-7/16"	25.33	24.23	23.13	22.03
22456	.1960	#9	4.978	3-15/16"	2-7/16"	25.90	24.77	23.65	22.52
22461	.1969		5.000	100	62	26.45	25.30	24.15	23.00
22466	.1990	#8	5.055	3-15/16"	2-7/16"	26.90	25.73	24.56	23.39
22471	.2010	#7	5.105	3-15/16"	2-7/16"	27.38	26.19	25.00	23.81
22476	.2031	13/64"	5.159	3-15/16"	2-7/16"	27.83	26.62	25.41	24.20
22486	.2055	#5	5.220	4"	2-1/2"	28.75	27.50	26.25	25.00
22496	.2130	#3	5.410	4"	2-1/2"	29.65	28.36	27.07	25.78
22501	.2165		5.499	102	64	30.13	28.82	27.51	26.20
22506	.2188	7/32"	5.558	4"	2-1/2"	30.58	29.25	27.92	26.59
22511	.2210	#2	5.613	4"	2-1/2"	31.03	29.68	28.33	26.98
22516	.2280	#1	5.791	4-1/8"	2-5/8"	31.50	30.13	28.76	27.39
22521	.2340	A	5.944	4-1/8"	2-5/8"	31.95	30.56	29.17	27.78
22526	.2344	15/64"	5.954	4-1/8"	2-5/8"	32.41	31.00	29.59	28.18
22531	.2362		6.000	105	67	32.94	31.50	30.07	28.64
22536	.2380	B	6.045	4-1/8"	2-5/8"	33.10	31.66	30.22	28.78
22541	.2420	C	6.147	4-1/4"	2-3/4"	33.29	31.85	30.40	28.95
22546	.2460	D	6.248	4-1/4"	2-3/4"	33.44	31.99	30.53	29.08
22551	.2500	1/4" / E	6.350	4-1/4"	2-3/4"	33.61	32.15	30.69	29.23
22556	.2559		6.500	108	70	34.73	33.22	31.71	30.20
22561	.2570	F	6.528	4-3/8"	2-7/8"	36.20	34.63	33.05	31.48
22566	.2610	G	6.629	4-3/8"	2-7/8"	37.18	35.56	33.95	32.33
22571	.2656	17/64"	6.746	4-3/8"	2-7/8"	38.26	36.60	34.93	33.27
22576	.2660	H	6.756	4-3/8"	2-7/8"	39.51	37.80	36.08	34.36
22581	.2720	I	6.909	4-3/8"	2-7/8"	40.70	38.93	37.16	35.39
22586	.2756		7.000	111	73	41.93	40.11	38.28	36.46
22591	.2770	J	7.036	4-3/8"	2-7/8"	42.85	40.99	39.12	37.26
22596	.2810	K	7.137	4-7/16"	2-15/16"	43.76	41.86	39.95	38.05
22601	.2812	9/32"	7.142	4-7/16"	2-15/16"	44.72	42.78	40.83	38.89
22606	.2900	L	7.366	4-7/16"	2-15/16"	45.69	43.70	41.72	39.73
22611	.2950	M	7.493	4-7/16"	2-15/16"	46.62	44.59	42.57	40.54
22621	.2969	19/64"	7.541	4-9/16"	3-1/16"	47.63	45.56	43.49	41.42
22626	.3020	N	7.671	4-9/16"	3-1/16"	47.73	45.65	43.58	41.50
22631	.3125	5/16"	7.938	4-11/16"	3-3/16"	47.77	45.69	43.62	41.54

EDP#	d^+ Diameter		l_1 Overall Length	l_2 Flute Length	1-11	12-24	25-49	50-100	
	Decimal	Metric							
22636	.3150		8.000	119	81	50.51	48.31	46.12	43.92
22641	.3160	O	8.026	4-11/16"	3-3/16"	51.66	49.41	47.17	44.92
22646	.3230	P	8.204	4-11/16"	3-3/16"	52.82	50.52	48.23	45.93
22656	.3320	Q	8.433	4-15/16"	3-7/16"	55.17	52.77	50.37	47.97
22661	.3346		8.500	125	87	56.32	53.87	51.42	48.97
22666	.3390	R	8.611	4-15/16"	3-7/16"	58.09	55.56	53.04	50.51
22671	.3438	11/32"	8.733	4-15/16"	3-7/16"	59.81	57.21	54.61	52.01
22676	.3480	S	8.839	5"	3-1/2"	61.62	58.94	56.26	53.58
22681	.3543		9.000	127	89	63.39	60.63	57.88	55.12
22686	.3580	T	9.093	5"	3-1/2"	63.65	60.89	58.12	55.35
22696	.3680	U	9.347	5"	3-1/2"	64.16	61.37	58.58	55.79
22701	.3740		9.500	130	92	64.41	61.61	58.81	56.01
22706	.3750	3/8"	9.525	5-1/8"	3-5/8"	64.70	61.89	59.07	56.26
22711	.3770	V	9.576	5-1/8"	3-5/8"	66.84	63.93	61.03	58.12
22716	.3860	W	9.804	5-1/8"	3-5/8"	68.97	65.97	62.97	59.97
22721	.3906	25/64"	9.921	5-1/4"	3-3/4"	71.15	68.06	64.96	61.87
22726	.3937		10.000	133	95	73.27	70.08	66.90	63.71
22731	.3970	X	10.084	5-1/4"	3-3/4"	76.03	72.72	69.42	66.11
22741	.4062	13/32"	10.317	5-3/8"	3-7/8"	81.57	78.02	74.48	70.93
22746	.4130	Z	10.490	5-3/8"	3-7/8"	85.95	82.21	78.48	74.74
22751	.4134		10.500	137	98	85.95	82.21	78.48	74.74
22756	.4219	27/64"	10.716	5-7/16"	3-15/16"	89.86	85.95	82.05	78.14
22761	.4331		11.000	138	100	92.64	88.62	84.59	80.56
22766	.4375	7/16"	11.113	5-7/16"	3-15/16"	92.64	88.62	84.59	80.56
22771	.4528		11.500	141	103	93.96	89.87	85.79	81.70
22776	.4531	29/64"	11.509	5-9/16"	4-5/16"	93.96	89.87	85.79	81.70
22781	.4688	15/32"	11.908	5-9/16"	4-5/16"	95.24	91.10	86.96	82.82
22786	.4724		12.000	141	110	96.57	92.37	88.17	83.97
22791	.4844	31/64"	12.304	5-9/16"	4-5/16"	96.57	92.37	88.17	83.97
22796	.4921		12.500	152	114	98.82	94.52	90.23	85.93
22801	.5000	1/2"	12.700	6"	4-1/2"	98.82	94.52	90.23	85.93
22811	.5156	33/64"	13.096	6"	4-1/2"	124.91	119.48	114.05	108.62
22816	.5312	17/32"	13.492	6-1/8"	4-5/8"	132.10	126.36	120.61	114.87
22826	.5469	35/64"	13.891	6-1/8"	4-5/8"	139.31	133.25	127.20	121.14
22831	.5512		14.000	156	117	146.45	140.09	133.72	127.35
22836	.5625	9/16"	14.287	6-1/4"	4-3/4"	156.92	150.10	143.27	136.45
22841	.5709		14.500	159	121	162.06	155.01	147.97	140.92
22851	.5906		15.000	162	124	167.13	159.86	152.60	145.33
22866	.6102		15.500	164	125	169.02	161.67	154.32	146.97
22871	.6250	5/8"	15.875	6-9/16"	5-1/16"	170.89	163.46	156.03	148.60