MODEL ENGINEER

DRILLING & TA
EQUIVALENTS

FRACTION, GAUGE & LETTER DRILL SIZES			TAPPING DRILL			THREAD	
			BRITISH STANDARD (International) SERIES				
FRACTION (in.)	OLD DRILL GAUGE	DEC. EQUIV. (in.)	New Size (mm)	(in.)	Dec. Equiv.	UNF UNC	BA BSW BSF
	80	.0135	0.35		.0138		
	79	.0145	0.38		.0150		
1/64		.0156					
	78	.0160	0.40		.0157		
	77	.0180	0.45		.0177		
	76	.0200	0.50		.0197		
	75	.0210	0.52		.0205		
	74	.0225	0.58		.0228		
	73	.0240	0.60		.0236		16 BA
	72	.0250	0.65		.0256		
	71	.0260	0.65		.0256		
	70	.0280	0.70		.0276		15 BA
	69	.0292	0.75		.0295		
	68	.0310		1/32	.0312		14 BA
1/32		.0312					
	67	.0320	0.82		.0323		
	66	.0330	0.85		.0335		
	65	.0350	0.90		.0354		
	64	.0360	0.92		.0362		
	63	.0370	0.95		.0374		
			0.975		.0384		13 BA
	62	.0380	0.98		.0386		
	61	.0390	1.00		.0394		
	60	.0400	1.00		.0394		
	59	.0410	1.05		.0413		12 BA
	58	.0420	1.05		.0413		
	57	.0430	1.10		.0433		
	56	.0465		3/64	.0469	0-80	
3/64		.0469					
			1.20		.0472		11 BA
	55	.0520	1.30		.0512		
	54	.0550	1.40		.0551		10 BA
			1.45		.0571	1-64	
	53	.0595	1.50		.0591	1-72	
			1.55		.0610		9 BA
1/16		.0625					
	52	.0635	1.60		.0630		
	51	.0670	1.70		.0669	2-56	
			1.75		.0689	2-64	
	50	.0700	1.80		.0709		8 BA
	49	.0730	1.85		.0728		
	48	.0760	1.95		.0768	3-48	
5/64		.0781					
	47	.0785	2.00		.0787		
	46	.0810	2.05		.0807	3-56	7 BA
	45	.0820	2.10		.0827		
	44	.0860	2.20		.0866	4-40	
	43	.0890	2.25		.0886		
			2.30		.0906	4-48	6 BA
	42	.0935		3/32	.0938		
3/32		.0938					
	41	.0960	2.45		.0965		
	40	.0980	2.50		.0984	5-40	
	39	.0995	2.55		.1004	5-44	1/8 BSW
	38	.1015	2.60		.1024		
	37	.1040	2.65		.1043		5 BA
	36	.1065	2.70		.1063	6-32	
7/64		.1094					
	35	.1100	2.80		.1102		
	34	.1110	2.80		.1102		

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FRACTION (in.)	OLD DRILL GAUGE	DEC. EQUIV. (in.)	New Size (mm)	(in.)	Dec. Equiv.	UNF UNC	BA BSW BSF
	33	.1130	2.85		.1122	6-40	
	32	.1160	2.95		.1161		
	31	.1200	3.00		.1181		4 BA
1/8		.1250					
	30	.1285	3.30		.1299		
			3.40		.1339	8-32	
			3.45		.1358	8-36	3 BA
	29	.1360	3.50		.1378		
	28	.1405		9/64	.1406		
9/64		.1406					
	27	.1440	3.70		.1457		3/16 BSW
	26	.1470	3.70		.1457		
	25	.1495	3.80		.1496	10-24	
	24	.1520	3.90		.1535		
	23	.1540	3.90		.1535		
5/32		.1562			.1562		3/16 BSF
	22	.1570	4.00		.1575	10-32	2 BA
	21	.1590	4.00		.1575		
	20	.1610	4.10		.1614		
	19	.1660	4.20		.1654		
	18	.1695	4.30		.1693		
11/64		.1719					
	17	.1730	4.40		.1732	12-24	
	16	.1770	4.50		.1772		1 BA
	15	.1800	4.60		.1811	12-28	
	14	.1820	4.60		.1811		
			4.65		.1831		7/32 BSF
	13	.1850	4.70		.1850		
3/16		.1875					
	12	.1890	4.80		.1890		
	11	.1910	4.90		.1929		
	10	.1935	4.90		.1929		
	9	.1960	5.00		.1968		
	8	.1990	5.10		.2008		0 BA
	7	.2010	5.10		.2008		1/4 BSW
13/64		.2031					
	6	.2040	5.20		.2047	1/4 -20	
	5	.2055	5.20		.2047		
	4	.2090	5.30		.2087		1/4 BSF
	3	.2130	5.40		.2126		
			5.50		.2165	1/4 -28	
7/32		.2188					
	2	.2210	5.60		.2205		
	1	.2280	5.80		.2283		
	A	.2340		15/64	.2344		
15/64		.2344					
	B	.2380	6.00		.2362		
	C	.2420	6.10		.2402		
	D	.2460	6.20		.2441		
1/4	E	.2500		1/4	.2500		
	F	.2570	6.50		.2559		5/16 BSW
	G	.2610	6.60		.2598	5/16 -18	
17/64		.2656					
	H	.2660		17/64	.2656		
			6.75		.2657		5/16 BSF
	I	.2720	6.90		.2717	5/16 -24	
	J	.2770	7.00		.2756		
	K	.2810		9/32	.2812		
9/32		.2812					
	L	.2900	7.40		.2913		

FRACTIO LETTER	
FRACTION (in.)	G
19/64	
5/16	
21/64	
23/64	
3/8	
25/64	
13/32	
27/64	
7/16	
29/64	
15/32	
31/64	
1/2	
33/64	
17/32	
35/64	
9/16	
37/64	
19/32	
39/64	
5/8	
41/64	
21/32	
43/64	
11/16	
45/64	
23/32	
47/64	
3/4	