

COMMUNICATIONS DATA SHEET 101

B.A. Screw Drill Sizes

- A = Fairly Close
- B = Free
- C = Very Free
- D = All materials where thickness of material does not exceed diameter of tap
- E = Cast Iron, Brass, Ebonite, etc. where thickness exceeds diameter of tap
- F = Wrought Iron, Mild Steel and copper where thickness exceeds diameter of tap

BA No.	A	B	C	D	E	F
	Clearing			Tapping		
0	B	D	E	10	9	8
1	3	7/32"	2	18	17	16
2	12	10	7	24	23	22
3	19	18	16	30	29	28
4	27	25	22	33	32	31
5	30	29	28	38	37	36
6	34	32	30	44	43	42
7	39	37	34	47	46	44
8	43	42	39	51	50	49
9	47	45	43	53	1/16"	52
10	50	49	47	55	54	-
11	1/16"	51	50	56	3/64"	55
12	55	54	52	58	57	-

Whitworth Standard and British Standard Fine Threads Tap Drill Sizes

Outside Diameter		Threads per inch		Tap	Tap
Inches	Inches	Whitworth	B.S.F.	Drill Size Whitworth	Drill Size B.S.F.
1/16"	0.0625	60	-	56	-
3/32	0.0938	48	-	49	-
1/8	0.125	40	-	40	-
5/32	0.1563	32	-	31	-
3/16	0.1875	24	-	28	-
7/32	0.2188	24	-	18	-
1/4	0.25	20	26	11	7
9/32	0.2813	-	26	-	B
5/16	0.3125	18	22	D	G
3/8	0.375	16	20	N	O
7/16	0.4375	14	18	S	3/8"
1/2	0.5	12	16	X	7/16"
9/16	0.5625	12	16	15/32"	1/2"
5/8	0.625	11	14	33/64	35/64
11/16	0.6875	11	14	37/64	39/64
3/4	0.75	10	12	3/8	21/32
13/16	0.8125	10	12	11/16	23/32
7/8	0.875	9	11	47/64	49/64
15/16	0.9375	9	-	13/16	-
1	1.0	8	10	27/32	57/64
1 1/8	1.125	7	9	61/64	1
1 1/4	1.25	7	9	1 ⁵ / ₆₄	1 1/8
1 3/8	1.375	6	8	1 ¹¹ / ₆₄	1 ¹⁵ / ₆₄