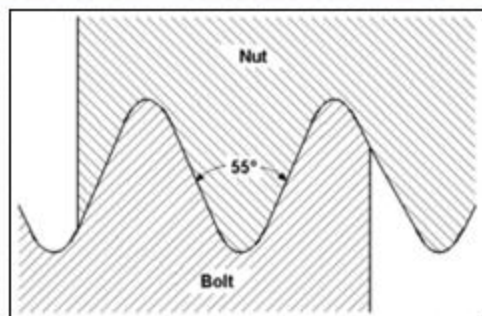


**British Standard Pipe Thread, with sealant compound
(parallel, cylindrical), external = G**

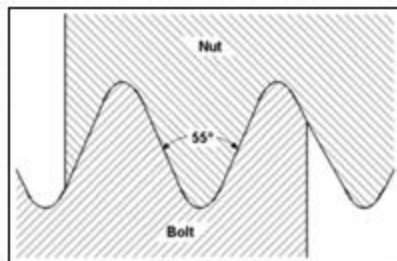
Nominal Diameter	Major Diameter mm	Minor Diameter Nut mm	Tapping Drill Size mm	TPI	Pitch mm
G 1/8"	9,73	8,85	8,80	28	0,907
G 1/4"	13,16	11,89	11,80	19	1,337
G 3/8"	16,66	15,39	15,25	19	1,337
G 1/2"	20,95	19,17	19,00	14	1,814
G 5/8"	22,91	21,13	21,00	14	1,814
G 3/4"	26,44	24,66	24,50	14	1,814
G 7/8"	30,20	28,42	28,25	14	1,814
G 1"	33,25	30,93	30,75	11	2,309
G 1 1/8"	37,90	35,58	35,30	11	2,309
G 1 1/4"	41,91	39,59	39,25	11	2,309
G 1 3/8"	44,32	42,00	41,70	11	2,309
G 1 1/2"	47,80	45,48	45,25	11	2,309
G 1 3/4"	53,74	51,43	51,10	11	2,309
G 2"	59,61	57,29	57,00	11	2,309
G 2 1/4"	65,71	63,39	63,10	11	2,309
G 2 1/2"	75,18	72,86	72,60	11	2,309
G 2 3/4"	81,53	79,21	78,90	11	2,309
G 3"	87,88	85,56	85,30	11	2,309
G 3 1/4"	93,98	91,66	91,50	11	2,309
G 3 1/2"	100,33	98,01	97,70	11	2,309
G 3 3/4"	106,68	104,30	104,00	11	2,309
G 4"	113,03	110,71	110,40	11	2,309



British Standard Fine Thread Series (parallel, cylindrical)

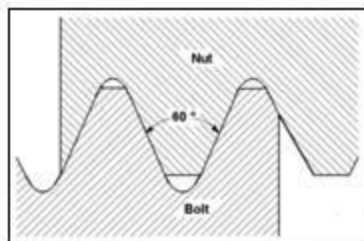
BSW and BSF are the Thread selections for commercial screws and nuts. The Fine Thread, which is widespread in the British machine tool industry, is superseded by the American UNF Thread.

Nominal Diameter	Major Diameter Inch	Major Diameter mm	Tapping Drill Size mm	TPI	Pitch mm
BSF 3/16"	3/16	4,763	3,747	32	0,794
BSF 7/32"	7/32	5,556	4,394	28	0,907
BSF 1/4"	1/4	6,350	5,100	26	0,977
BSF 9/32"	9/32	7,142	5,893	26	0,977
BSF 5/16"	5/16	7,938	6,459	22	1,154
BSF 3/8"	3/8	9,525	7,899	20	1,270
BSF 7/16"	7/16	11,113	9,304	18	1,411
BSF 1/2"	1/2	12,700	10,668	16	1,587
BSF 9/16"	9/16	14,288	12,256	16	1,587
BSF 5/8"	5/8	15,875	13,549	14	1,814
BSF 11/16"	11/16	17,463	15,137	14	1,814
BSF 3/4"	3/4	19,050	16,336	12	2,117
BSF 7/8"	7/8	22,225	19,269	11	2,309
BSF 1"	1	25,400	22,148	10	2,540
BSF 1 1/8"	1 1/8	28,575	24,963	9	2,822
BSF 1 1/4"	1 1/4	31,750	28,138	9	2,822
BSF 1 3/8"	1 3/8	34,925	30,861	8	3,175
BSF 1 1/2"	1 1/2	38,100	34,036	8	3,175
BSF 1 5/8"	1 5/8	41,275	37,211	8	3,175
BSF 1 3/4"	1 3/4	44,450	39,802	7	3,628
BSF 2"	2	50,800	46,152	7	3,628
BSF 2 1/4"	2 1/4	57,150	51,730	6	4,233
BSF 2 1/2"	2 1/2	63,500	58,080	6	4,233
BSF 2 3/4"	2 3/4	69,850	64,430	6	4,233
BSF 3"	3	76,200	69,692	5	5,080
BSF 3 1/4"	3 1/4	82,550	76,042	5	5,080
BSF 3 1/2"	3 1/2	88,900	81,670	4,5	5,644
BSF 3 3/4"	3 3/4	95,250	88,020	4,5	5,644
BSF 4"	4	101,600	94,370	4,5	5,644



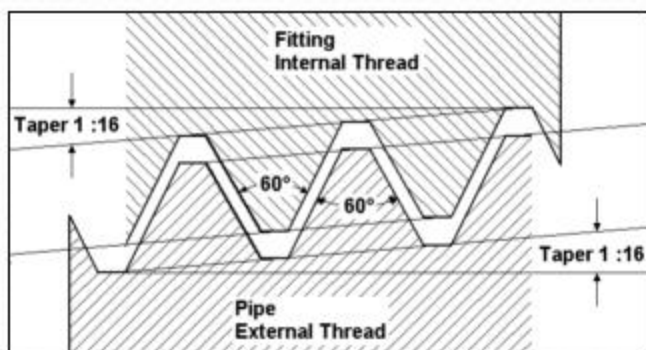
Was used in France before introduction of the S.I. Thread.
S.F. = System Français

Thread- No.	Nominal Diameter mm	Pitch mm	Tapping Drill Size mm
0	6,00	1,00	4,70
-	8,00	1,00	6,70
1	10,00	1,50	8,05
-	12,00	1,50	10,05
2	14,00	2,00	11,40
-	16,00	2,00	13,40
3	18,00	2,50	14,75
-	20,00	2,50	16,75
-	22,00	2,50	18,75
4	24,00	3,00	20,10
-	26,00	3,00	22,10
-	28,00	3,00	24,10
5	30,00	3,50	25,45
-	32,00	3,50	27,45
-	34,00	3,50	29,45
6	36,00	4,00	30,80
-	38,00	4,00	32,80
-	40,00	4,00	34,80
7	42,00	4,50	36,15
-	44,00	4,50	38,15
-	46,00	4,50	40,15
8	48,00	5,00	41,50
-	50,00	5,00	43,50
9	56,00	5,50	48,85
10	64,00	6,00	56,20
11	72,00	6,50	63,55
12	80,00	7,00	70,90
13	88,00	7,50	78,25
14	96,00	8,00	85,60
15	106,00	8,50	95,95
16	116,00	9,00	104,30
17	126,00	9,50	113,65
18	136,00	10,00	123,00
19	148,00	10,50	134,05



American Taper Pipe Thread, with sealant compound.

Nominal Diameter	Major Diameter mm	Tapping Drill Size mm	TPI	Pitch mm
1/16" NPT	7,895	6,00	27	0,941
1/8" NPT	10,242	8,25	27	0,941
1/4" NPT	13,616	10,70	18	1,411
3/8" NPT	17,055	14,10	18	1,411
1/2" NPT	21,223	17,40	14	1,814
3/4" NPT	26,568	22,60	14	1,814
1" NPT	33,228	28,50	11,5	2,209
1 1/4" NPT	41,985	37,00	11,5	2,209
1 1/2" NPT	48,054	43,50	11,5	2,209
2" NPT	60,092	55,00	11,5	2,209
2 1/2" NPT	72,699	65,50	8	3,175
3" NPT	88,608	81,50	8	3,175
3 1/2" NPT	101,316	94,30	8	3,175
4" NPT	113,973	107,00	8	3,175
5" NPT	141,300	134,384	8	3,175
6" NPT	168,275	161,191	8	3,175
8" NPT	219,075	211,673	8	3,175
10" NPT	273,050	265,311	8	3,175
12" NPT	323,850	315,793	8	3,175



UNF - Unified National Fine Thread. Similar to UNC. UNC and UNF threads are the choices for the customary screws and nuts.

Nominal Diameter	Major Diameter Inch	Major Diameter mm	Tapping Drill Size mm	TPI	Pitch mm
N 0 - 80 UNF	0,060	1,524	1,25	80	0,317
N 1 - 72 UNF	0,073	1,854	1,55	72	0,353
N 2 - 64 UNF	0,068	2,184	1,90	64	0,397
N 3 - 56 UNF	0,099	2,515	2,15	56	0,453
N 4 - 48 UNF	0,112	2,845	2,40	48	0,529
N 5 - 44 UNF	0,125	3,175	2,70	44	0,577
N 6 - 40 UNF	0,138	3,505	2,95	40	0,635
N 8 - 36 UNF	0,164	4,166	3,50	36	0,705
N 10 - 32 UNF	0,190	4,826	4,10	32	0,794
N 12 - 28 UNF	0,216	5,486	4,70	28	0,907
1/4" - 28 UNF	0,250	6,350	5,50	28	0,907
5/16" - 24 UNF	0,313	7,938	6,90	24	1,058
3/8" - 24 UNF	0,375	9,525	8,50	24	1,058
7/16" - 20 UNF	0,438	11,112	9,90	20	1,270
1/2" - 20 UNF	0,500	12,700	11,50	20	1,270
9/16" - 18 UNF	0,563	14,288	12,90	18	1,411
5/8" - 18 UNF	0,625	15,875	14,50	18	1,411
3/4" - 16 UNF	0,750	19,050	17,50	16	1,587
7/8" - 14 UNF	0,875	22,225	20,40	14	1,814
1" - 12 UNF	1,000	25,400	23,25	12	2,117
1 1/8" - 12 UNF	1,125	28,575	26,50	12	2,117
1 1/4" - 12 UNF	1,250	31,750	29,50	12	2,117
1 3/8" - 12 UNF	1,375	43,925	32,75	12	2,117
1 1/2" - 12 UNF	1,500	38,100	36,00	12	2,117

