

Tap sizes available from 0000 through 1 inch from 160 down to 8 thread per inch

The first three threads do not match to the top label, they are extra fine threads. The numbers which are underlined and in bold, are from the National fine and course threads series.

Size	96	80	72	64	60	56	50	48	44	40	36	32	30	28	27	24	20	18	16	14	13	12	11	10	9	8	
0000-160																											
000-120																											
00-90																											
00	96																										
0		<u>80</u>																									
1		<u>80</u>	<u>72</u>	<u>64</u>		56		48																			
2		80	72	<u>64</u>		<u>56</u>																					
3			72	64				48																			
4		80		64		56		<u>48</u>	44	<u>40</u>	36	32	30														
5		80			60	56		<u>48</u>	<u>44</u>	<u>40</u>	36	32															
6		80		64	60	56		48		<u>40</u>	36	<u>32</u>															
7										<u>40</u>	36	32	30														
8		80	72	64	60	56		48		40	<u>36</u>	<u>32</u>	30														24
9													30	28													24
10		80	72	64	60	56		48		40	36	<u>32</u>	30	28													<u>24</u>
12					56		48		40			<u>32</u>		<u>28</u>													<u>24</u>
14											36			28													24
1/16			72																								
3/32				64			50	48																			
1/ 8								48				36	32														
9/64										40																	
5/32				64				48			36																
3/16								48				32															24
7/32										40		32															
1/ 4		80	72	64	60	56		48		40	36	32	30	<u>28</u>	27	24	<u>20</u>	18									
9/32								48		40		32			27	24											
5/16		80	72	64		56		48		40	36	32	30	28		<u>24</u>	20	<u>18</u>									
11/32											36	32															
3/ 8		80	72	64				48		40	36	32	30	28	27	<u>24</u>	20	18	<u>16</u>								
13/32												32				<u>24</u>											
7/16			64							40	36	32		28	27	24	<u>20</u>		16	<u>14</u>							
15/32												32															
1/ 2					56		48		40		32	30	28	27	24	<u>20</u>	18	16	14	<u>13</u>	12	11					
9/16									40	36	32		28	27	24	<u>20</u>	<u>18</u>	16				<u>12</u>					
5/ 8										36	32		28	27	24	20	<u>18</u>	16	14		<u>12</u>	<u>11</u>					
11/16									40		32		28	27	24	20	18	16	14				<u>11</u>				
3/ 4												32	30	28	27	24	20	18	<u>16</u>	14		12			<u>10</u>		
13/16												32		28	27	24	20		16	14		12				<u>10</u>	
7/ 8												32	30	28	27	24	20	18	16	<u>14</u>		12					<u>9</u>
15/16												32		28	27	24	20	18	16	<u>14</u>		12					
1/ 1									40	36	32				27	24	20	18	16			<u>12</u>		10			<u>8</u>

Tap sizes available from 0000 through 1 inch from 160 down to 8 threads per inch

0000-160	9	30	9/32	32	1/ 2	12	7/ 8	20
000-120	9	28	9/32	27	1/ 2	11	7/ 8	18
00-90	9	24	9/32	24	9/16	40	7/ 8	16
00 96	10	80	5/16	80	9/16	36	7/ 8	14
0 80	10	72	5/16	72	9/16	32	7/ 8	12
1 80	10	64	5/16	64	9/16	28	7/ 8	9
1 72	10	60	5/16	56	9/16	27	15/16	32
1 64	10	56	5/16	48	9/16	24	15/16	28
1 56	10	48	5/16	40	9/16	20	15/16	27
1 48	10	40	5/16	36	9/16	18	15/16	24
2 80	10	36	5/16	32	9/16	16	15/16	20
2 72	10	32	5/16	30	9/16	12	15/16	18
2 64	10	30	5/16	28	5/ 8	36	15/16	16
2 56	10	28	5/16	24	5/ 8	32	15/16	14
3 72	10	24	5/16	20	5/ 8	28	15/16	12
3 64	12	56	5/16	18	5/ 8	27	15/16	9
3 56	12	48	11/32	36	5/ 8	24	1/ 1	40
3 48	12	40	11/32	32	5/ 8	20	1/ 1	36
4 80	12	32	3/ 8	80	5/ 8	18	1/ 1	32
4 64	12	28	3/ 8	72	5/ 8	16	1/ 1	27
4 56	12	24	3/ 8	64	5/ 8	14	1/ 1	24
4 48	14	36	3/ 8	48	5/ 8	12	1/ 1	20
4 44	14	28	3/ 8	40	5/ 8	11	1/ 1	18
4 40	14	24	3/ 8	36	11/16	40	1/ 1	16
4 36	14	20	3/ 8	32	11/16	32	1/ 1	12
4 32	1/16	72	3/ 8	30	11/16	28	1/ 1	10
4 30	3/32	64	3/ 8	28	11/16	27	1/ 1	8
5 80	3/32	50	3/ 8	27	11/16	24		
5 60	3/32	48	3/ 8	24	11/16	20		
5 56	1/ 8	48	3/ 8	20	11/16	18		
5 48	1/ 8	36	3/ 8	18	11/16	16		
5 44	1/ 8	32	3/ 8	16	11/16	14		
5 40	9/64	40	13/32	32	11/16	11		
5 36	5/32	64	13/32	24	3/ 4	32		
5 32	5/32	48	7/16	64	3/ 4	30		
6 80	5/32	36	7/16	40	3/ 4	28		
6 64	3/16	48	7/16	36	3/ 4	27		
6 60	3/16	32	7/16	32	3/ 4	24		
6 56	3/16	24	7/16	28	3/ 4	20		
6 48	7/32	40	7/16	27	3/ 4	18		
6 40	7/32	32	7/16	24	3/ 4	16		
6 36	1/ 4	80	7/16	20	3/ 4	14		
6 32	1/ 4	72	7/16	16	3/ 4	12		
7 40	1/ 4	64	7/16	14	3/ 4	10		
7 36	1/ 4	60	15/32	32	13/16	32		
7 32	1/ 4	56	1/ 2	56	13/16	28		
7 30	1/ 4	48	1/ 2	48	13/16	27		
8 80	1/ 4	40	1/ 2	40	13/16	24		
8 72	1/ 4	36	1/ 2	32	13/16	20		
8 64	1/ 4	32	1/ 2	30	13/16	16		
8 60	1/ 4	30	1/ 2	28	13/16	14		
8 56	1/ 4	28	1/ 2	27	13/16	12		
8 48	1/ 4	27	1/ 2	24	13/16	10		
8 40	1/ 4	24	1/ 2	20	7/ 8	32		
8 36	1/ 4	20	1/ 2	18	7/ 8	30		
8 32	1/ 4	18	1/ 2	16	7/ 8	28		
8 30	9/32	48	1/ 2	14	7/ 8	27		
8 24	9/32	40	1/ 2	13	7/ 8	24		

Metric allowable thread sizes buy the International Standards Organization (ISO)

From this chart you can see if a pitch size is used by other screw sizes.

This is the metric equivalent to the above two tables. It was so large it had to be split in half. It also includes diameters up to 2 inches not the 1 inch as in above. In most cases the thread size is the course thread the the next is the fine the rest are extra fine threads.

This is the beginning part of a much larger table which goes up to 300mm.

size	.20	.25	.30	.35	.40	.45	.50	.60	.70	.75	.80	1.00	1.25	1.50
1	.20	.25												
1.1	.20	.25												
1.2	.20	.25												
1.4	.		.30											
1.6	.20			.35										
1.8	.20			.35										
2		.25			.40									
2.2		.25				.45								
2.5				.35		.45								
3				.35			.50							
3.5				.35				.60						
4							.50		.70					
4.5							.50			.75				
5							.50				.80			
5.5							.50							
6									.75		1.00			
7									.75		1.00			
8									.75		1.00	1.25		
9									.75		1.00	1.25		
10									.75		1.00	1.25	1.50	
11									.75		1.00		1.50	

Continued on nest page

Metric allowable thread sizes by the International Standards Organization (ISO)

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This is the beginning part of a much larger table which goes up to 300mm.

size	1.00	1.25	1.50	1.75	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.55	6.00
12	1.00	1.25	1.50	1.75									
14	1.00	1.25	1.50		2.00								
15	1.00		1.50										
16	1.00		1.50		2.00								
17	1.00		1.50										
18	1.00		1.50		2.00	2.50							
20	1.00		1.50		2.00	2.50							
22	1.00		1.50		2.00	2.50							
24	1.00		1.50		2.00		3.00						
25	1.00		1.50		2.00								
26			1.50										
27	1.00		1.50		2.00		3.00						
28	1.00		1.50		2.00								
30	1.00		1.50		2.00		3.00	3.50					
32			1.50		2.00								
33			1.50		2.00		3.00	3.50					
35			1.50										
36			1.50		2.00		3.00		4.00				
38			1.50										
39			1.50		2.00		3.00		4.00				
40			1.50		2.00		3.00						
42			1.50		2.00		3.00		4.00	4.50			
45			1.50		2.00		3.00		4.00	4.50			
48			1.50		2.00		3.00		4.00		5.00		
50			1.50		2.00		3.00						
52			1.50		2.00		3.00		4.00		5.00		
55			1.50		2.00		3.00		4.00				
56			1.50		2.00		3.00		4.00	4.50			
58			1.50		2.00		3.00		4.00				
60			1.50		2.00		3.00		4.00			5.50	
62			1.50		2.00		3.00		4.00				
64			1.50		2.00		3.00		4.00				6.00
65			1.50		2.00		3.00		4.00				
68			1.50		2.00		3.00		4.00				6.00
70			1.50		2.00		3.00		4.00				6.00
72			1.50		2.00		3.00		4.00				6.00
75			1.50		2.00		3.00		4.00				6.00
76			1.50		2.00		3.00		4.00				6.00
78					2.00								
80			1.50		2.00		3.00		4.00				6.00
82					2.00								
85			1.50		2.00		3.00		4.00				6.00
90			1.50		2.00		3.00		4.00				6.00
95			1.50		2.00		3.00		4.00				6.00
100			1.50		2.00		3.00		4.00				6.00

The following two pages have the complete list.

**COMPLETE LISTING OF INTERNATIONAL STANDARDS ORGANIZATION (ISO)
METRIC SIZES WITH BASIC MAJOR DIAMETER IN INCHES
(continued on other side)**

Nominal Size (mm)	Pitch P (mm)	Basic Major Diameter (inches)	Nominal Size (mm)	Pitch P (mm)	Basic Major Diameter (inches)	Nominal Size (mm)	Pitch P (mm)	Basic Major Diameter (inches)	Nominal Size (mm)	Pitch P (mm)	Basic Major Diameter (inches)
0.25	0.075	0.009842	7	1	0.275590	27	3	1.062990	55	4	2.165350
0.3	0.08	0.011811		0.75	0.275590		2	1.062990		3	2.165350
0.35	0.09	0.013779	8	1.25	0.314960	28	1.5	1.062990	56	2	2.165350
0.4	0.1	0.015748		1	0.314960		1	1.062990		1.5	2.165350
0.45	0.1	0.017716	9	1.25	0.354330	30	2	1.102360	58	5.5	2.204720
0.5	0.125	0.019685		1	0.354330		1.5	1.102360		4	2.204720
0.55	0.125	0.021653	10	1	0.354330	32	1	1.102360	60	3	2.204720
0.6	0.15	0.023622		1.25	0.393700		3.5	1.181100		2	2.204720
0.7	0.175	0.027559	11	1	0.393700	33	3	1.181100	62	1.5	2.204720
0.8	0.2	0.031496		1.25	0.393700		2	1.181100		4	2.283460
0.9	0.225	0.035433	12	1	0.393700	35	1.5	1.181100	64	3	2.283460
1	0.25	0.039370		1.25	0.433070		2	1.259840		2	2.283460
1.1	0.25	0.043307	14	1	0.433070	36	1.5	1.259840	66	1.5	2.283460
1.2	0.2	0.047244		1.25	0.472440		3	1.299210		4	2.362200
1.4	0.3	0.055118	15	1	0.472440	38	2	1.299210	68	3	2.362200
1.6	0.2	0.062992		1.25	0.51180		3	1.299210		2	2.362200
1.8	0.35	0.070866	16	1	0.51180	39	1.5	1.299210	70	4	2.440940
2	0.4	0.078740		1.25	0.551180		4	1.377950		3	2.440940
2.2	0.45	0.086614	17	1	0.551180	40	1.5	1.377950	72	2	2.440940
2.5	0.35	0.098425		1.25	0.590550		4	1.417320		1.5	2.440940
3	0.5	0.118110	18	1	0.590550	42	3	1.417320	74	6	2.519680
3.5	0.6	0.137795		1.25	0.629920		4	1.417320		4	2.519680
4	0.7	0.157480	20	1	0.629920	44	1.5	1.417320	76	3	2.519680
4.5	0.75	0.177165		1.25	0.669290		2	1.496060		2	2.519680
5	0.8	0.196850	22	1	0.669290	46	1.5	1.496060	78	4	2.599050
5.5	0.8	0.196850		1.25	0.708660		3	1.535430		3	2.599050
6	1	0.236220	24	1	0.708660	48	1.5	1.535430	80	2	2.599050
	0.75	0.236220		1.25	0.747400		4	1.574800		1.5	2.599050
			25	1	0.747400	50	3	1.574800	82	6	2.677160
				1.25	0.787400		4	1.574800		4	2.677160
			26	1	0.787400	52	1.5	1.574800	84	3	2.677160
				1.25	0.826600		2	1.653540		2	2.677160
			27	1	0.826600	54	1.5	1.653540	86	6	2.755900
				1.25	0.866140		4	1.653540		4	2.755900
			28	1	0.866140	56	1.5	1.653540	88	3	2.755900
				1.25	0.905500		2	1.653540		2	2.755900
			29	1	0.905500	58	1.5	1.653540	90	6	2.834640
				1.25	0.944880		4	1.771650		4	2.834640
			30	1	0.944880	60	1.5	1.771650	92	3	2.834640
				1.25	0.984250		4	1.771650		2	2.834640
			31	1	0.984250	62	1.5	1.771650	94	6	2.912750
				1.25	1.023620		4	1.889760		4	2.912750
			32	1	1.023620	64	1.5	1.889760	96	3	2.912750
				1.25	1.062990		4	1.889760		2	2.912750
			33	1	1.062990	66	1.5	1.889760	98	6	2.992120
				1.25	1.102360		4	1.968500		4	2.992120
			34	1	1.102360	68	1.5	1.968500	100	3	2.992120
				1.25	1.1417320		4	2.047240		2	2.992120
			35	1	1.1417320	70	1.5	2.047240	102	6	3.071490
				1.25	1.181100		4	2.047240		4	3.071490
			36	1	1.181100	72	1.5	2.047240	104	3	3.071490
				1.25	1.2204720		4	2.047240		2	3.071490
			37	1	1.2204720	74	1.5	2.047240	106	6	3.150940
				1.25	1.259840		4	2.047240		4	3.150940
			38	1	1.259840	76	1.5	2.047240	108	3	3.150940
				1.25	1.299210		4	2.047240		2	3.150940
			39	1	1.299210	78	1.5	2.047240	110	6	3.230390
				1.25	1.338580		4	2.047240		4	3.230390
			40	1	1.338580	80	1.5	2.047240	112	3	3.230390
				1.25	1.377950		4	2.047240		2	3.230390
			41	1	1.377950	82	1.5	2.047240	114	6	3.309840
				1.25	1.417320		4	2.047240		4	3.309840
			42	1	1.417320	84	1.5	2.047240	116	3	3.309840
				1.25	1.456690		4	2.047240		2	3.309840
			43	1	1.456690	86	1.5	2.047240	118	6	3.389290
				1.25	1.496060		4	2.047240		4	3.389290
			44	1	1.496060	88	1.5	2.047240	120	3	3.389290
				1.25	1.535430		4	2.047240		2	3.389290
			45	1	1.535430	90	1.5	2.047240	122	6	3.468740
				1.25	1.574800		4	2.047240		4	3.468740
			46	1	1.574800	92	1.5	2.047240	124	3	3.468740
				1.25	1.614170		4	2.047240		2	3.468740
			47	1	1.614170	94	1.5	2.047240	126	6	3.548190
				1.25	1.653540		4	2.047240		4	3.548190
			48	1	1.653540	96	1.5	2.047240	128	3	3.548190
				1.25	1.692910		4	2.047240		2	3.548190
			49	1	1.692910	98	1.5	2.047240	130	6	3.627640
				1.25	1.732280		4	2.047240		4	3.627640
			50	1	1.732280	100	1.5	2.047240	132	3	3.627640
				1.25	1.771650		4	2.047240		2	3.627640
			51	1	1.771650	102	1.5	2.047240	134	6	3.707090
				1.25	1.811020		4	2.047240		4	3.707090
			52	1	1.811020	104	1.5	2.047240	136	3	3.707090
				1.25	1.850390		4	2.047240		2	3.707090
			53	1	1.850390	106	1.5	2.047240	138	6	3.786540
				1.25	1.889760		4	2.047240		4	3.786540
			54	1	1.889760	108	1.5	2.047240	140	3	3.786540
				1.25	1.929130		4	2.047240		2	3.786540
			55	1	1.929130	110	1.5	2.047240	142	6	3.865990
				1.25	1.968500		4	2.047240		4	3.865990
			56	1	1.968500	112	1.5	2.047240	144	3	3.865990
				1.25	2.007870		4	2.047240		2	3.865990
			57	1	2.007870	114	1.5	2.047240	146	6	3.945440
				1.25	2.047240		4	2.047240		4	3.945440
			58	1	2.047240	116	1.5	2.047240	148	3	3.945440
				1.25	2.086610		4	2.047240		2	3.945440
			59	1	2.086610	118	1.5	2.047240	150	6	4.024890
				1.25	2.125980		4	2.047240		4	4.024890
			60	1	2.125980	120	1.5	2.047240	152	3	4.024890
				1.25	2.165350		4	2.047240		2	4.024890
			61	1	2.165350	122	1.5	2.047240	154	6	4.104340
				1.25	2.204720		4	2.047240		4	4.104340
			62	1	2.204720	124	1.5	2.047240	156	3	4.104340
				1.25	2.244090		4	2.047240		2	4.104340
			63	1	2.244090	126	1.5	2.047240	158	6	4.183790
				1.25	2.283460		4	2.047240		4	4.183790
			64	1	2.283460	128	1.5	2.047240	160	3	4.183790
				1.25	2.322830		4	2.047240		2	4.183790
			65	1	2.322830	130	1.5	2.047240	162	6	4.263240
				1.25	2.362200		4	2.047240		4	4.263240
			66	1	2.362200	132	1.5	2.047240	164	3	4.263240
				1.25							

Nominal Size (mm)	Pitch P (mm)	Basic Major Diameter (inches)	Nominal Size (mm)	Pitch P (mm)	Basic Major Diameter (inches)	Nominal Size (mm)	Pitch P (mm)	Basic Major Diameter (inches)	
78	2	3.070860	145	6	5.708650	225	6	8.858250	
80	6	3.149600		4	5.708650		4	8.858250	
	4	3.149600		3	5.708650		3	8.858250	
	3	3.149600		150	2	5.708650	230	6	9.055100
	2	3.149600	6		5.905500	4		9.055100	
1.5	3.149600	4	5.905500		3	9.055100			
2	3.228340	3	5.905500		2	5.905500	235	6	9.251950
82	6	3.346450	155	6	6.102350	4		9.251950	
	4	3.346450		4	6.102350	3		9.251950	
	3	3.346450		160	3	6.102350	240	6	9.448800
	2	3.346450			6	6.299200		4	9.448800
85	6	3.543300	4		6.299200	3		9.448800	
	4	3.543300	165		3	6.299200	245	6	9.645650
	3	3.543300		6	6.496050	4		9.645650	
	2	3.543300		4	6.496050	3		9.645650	
6	3.740150	170		3	6.496050	250	6	9.842500	
88	4		3.740150	6	6.692900		4	9.842500	
	3		3.740150	4	6.692900		3	9.842500	
	2		3.740150	175	3	6.692900	255	6	10.039350
	90	6	3.937000		6	6.889750		4	10.039350
4		3.937000	180		4	6.889750		260	6
3		3.937000			4	6.889750	4		10.236200
2		3.937000		3	6.889750	265	6		10.433050
92	6	4.133850		6	7.086600		4	10.433050	
	4	4.133850	185	4	7.086600		270	6	10.629900
	3	4.133850		3	7.086600	4		10.629900	
	2	4.133850		6	7.283450	275		6	10.826750
95	6	4.330700		4	7.283450		4	10.826750	
	4	4.330700	190	3	7.283450		280	6	11.023600
	3	4.330700		6	7.480300	4		11.023600	
	2	4.330700		4	7.480300	285		6	11.220450
98	6	4.527550		3	7.480300		4	11.220450	
	4	4.527550	195	6	7.677150		290	6	11.417300
	3	4.527550		4	7.677150	4		11.417300	
	2	4.527550		3	7.677150	295		6	11.614150
100	6	4.724400		6	7.874000		4	11.614150	
	4	4.724400	200	4	7.874000		300	6	11.811000
	3	4.724400		3	7.874000	4		11.811000	
	2	4.724400		205	6	8.070850		210	6
105	6	4.921250			4	8.070850	4		8.267700
	4	4.921250	3		8.070850	3	8.267700		
	3	4.921250	215		6	8.464550	215	6	8.464550
	2	4.921250		4	8.464550	4		8.464550	
110	6	5.118100		3	8.464550	220		6	8.661400
	4	5.118100		220	4		8.661400	4	8.661400
	3	5.118100	3		8.661400		140	6	5.511800
	2	5.118100	6		5.511800	4		5.511800	
115	6	5.314950	140		4	5.511800		3	5.511800
	4	5.314950		3	5.511800	2	5.511800		
	3	5.314950		140	2	5.511800	140	6	5.511800
	2	5.314950			4	5.511800		4	5.511800
120	6	5.511800	3		5.511800	3		5.511800	
	4	5.511800	2		5.511800	2		5.511800	
	3	5.511800	140	140	140	140	140		
	2	5.511800							

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