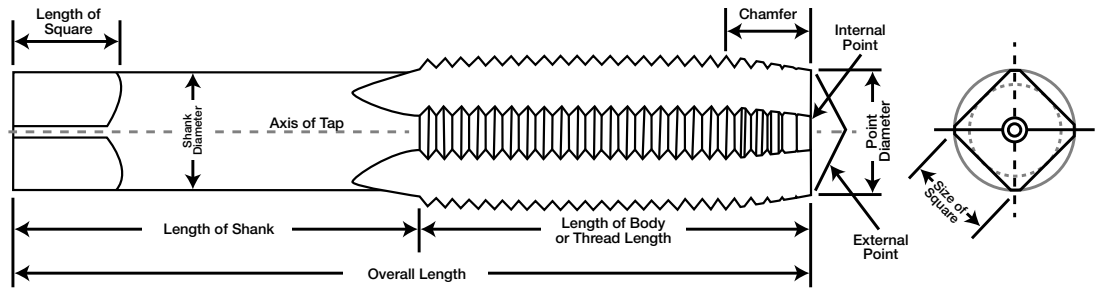


Regular Hand Taps

HIGH SPEED STEEL
American Standard



GROUND THREAD / FRACTIONAL SIZES / REGULAR DIMENSIONS



Diameter of Tap	Threads per Inch				Length Overall A	Length of Full Thread B	Number of Flutes	Length of Square C	Diameter of Shank D	Size of Square
	NC	NF	N8	N10						
1/4	20	28	-	-	2-1/2	1		5/16	0.255	0.191
5/16	18	24	-	-	2-23/32	1-1/8	4	3/8	0.318	0.238
3/8	16	24	-	-	2-15/16	1-1/4		7/16	0.381	0.286
7/16	14	20	-	-	3-5/32	1-7/16		13/32	0.323	0.242
1/2	13	20	-	-	3-3/8	1-21/32	4	7/16	0.367	0.275
9/16	12	18	-	-	3-19/32	1-21/32		1/2	0.429	0.322
5/8	11	18	-	-	3-13/16	1-13/16		9/16	0.480	0.360
3/4	10	16	-	-	4-1/4	2		11/16	0.590	0.442
7/8	9	14	-	-	4-11/16	2-7/32		3/4	0.697	0.523
1	8	12	-	10	5-1/8	2-1/2	4	13/16	0.800	0.600
1-1/16	-	12	8	10	5-1/8	2-1/2		7/8	0.896	0.672
1-1/8	7	12	8	10	5-7/16	2-9/16		7/8	0.896	0.672
1-3/16	-	12	8	10	5-7/16	2-9/16		1	1.021	0.766
1-1/4	7	-	-	-	5-3/4	2-9/16		1	1.021	0.766
1-5/16	-	-	-	-	5-3/4	2-9/16	4	1-1/16	1.108	0.831
1-3/8	6	12	8	10	6-1/16	3		1-1/16	1.108	0.831
1-7/16	-	-	-	-	6-1/16	3		1-1/8	1.233	0.925
1-1/2	6	-	-	-	6-3/8	3		1-1/8	1.233	0.925
1-5/8	-	-	-	10	6-11/16	3-3/16		1-1/8	1.305	0.979
1-3/4	5	5-1/2	-	10	7	3-3/16	6	1-1/4	1.430	1.072
1-7/8	-	-	8	10	7-5/16	3-9/16		1-1/4	1.519	1.139
2	4	4-1/2	-	10	7-5/8	3-9/16		1-3/8	1.644	1.233
2-1/8	-	-	-	-	8	3-9/16		1-3/8	1.769	1.327
2-1/4	4	4-1/2	-	-	8-1/4	3-9/16		1-7/16	1.894	1.420
2-3/8	-	-	-	-	8-1/2	4	6	1-7/16	2.019	1.514
2-1/2	4	-	8	-	8-3/4	4		1-1/2	2.100	1.575
2-3/4	4	-	-	-	9-1/4	4		1-9/16	2.350	1.762
3	4	-	-	-	9-3/4	4-9/16		1-5/8	2.543	1.907
3-1/4	-	-	-	-	10	4-9/16	6	1-3/4	2.793	2.095
3-1/2	4	-	8	-	10-1/4	4-15/16		2	3.008	2.256
3-3/4	-	-	-	-	10-1/2	5-5/16		2-1/8	3.217	2.413
4	-	-	-	-	10-3/4	5-5/16		2-1/4	3.467	2.600

GROUND THREAD / FRACTIONAL SIZES / SHORT LENGTHS

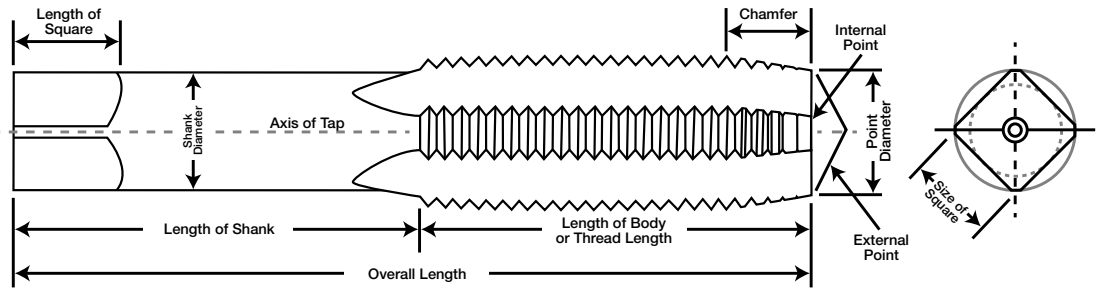
Diameter of Tap	Threads per Inch N12	Length Overall A	Length of Full Thread B	Number of Flutes	Length of Square C	Diameter of Shank D	Size of Square
1-5/8		5			1-1/8	1.305	0.979
1-3/4		5			1-1/4	1.430	1.072
1-7/8	12	5	2	6	1-1/4	1.519	1.139
2		5			1-3/8	1.644	1.233
2-1/8		5-1/4			1-3/8	1.769	1.327
2-1/4		5-1/4			1-7/16	1.894	1.420
2-3/8		5-1/4			1-7/16	2.019	1.514
2-1/2	12	5-1/4	2	6	1-1/2	2.100	1.575
2-5/8		5-1/2			1-1/2	2.100	1.575
2-3/4		5-1/2			1-1/2	2.100	1.575
2-7/8							
3							
3-1/8	12	5-1/2	2	6	1-1/2	2.100	1.575
3-1/4							
3-3/8							
3-1/2		5-3/4			1-1/2		
3-5/8		6			1-3/4		
3-3/4	12	6	2	6	1-3/4	2.100	1.575
3-7/8		6			1-3/4		
4		6			1-3/4		

Hand Taps are made in 3 styles: Taper - 7-10 thread chamfer; Plug - 3-6 thread chamfer; Bottoming - 1-2 thread chamfer

Hand Taps

Machine Screw Sizes Right Hand

HIGH SPEED STEEL



GROUND THREAD



Size	Basic Major Diameter	Threads per Inch		Number of Flutes	Length Overall A	Length of Thread B	Length of Square C	Diameter of Shank D	Size of Square
		NC UNC	NF UNF						
0	0.060		80	2	1-5/8	5/16	3/16	0.141	0.110
1	0.073	64	72	2	1-11/16	3/8	3/16	0.141	0.110
2	0.086	56	64	3	1-3/4	7/16	3/16	0.141	0.110
3	0.099	48	56	3	1-13/16	1/2	3/16	0.141	0.110
4	0.112	40	48	3	1-7/8	9/16	3/16	0.141	0.110
5	0.125	40	44	3	1-15/16	5/8	3/16	0.141	0.110
6	0.138	32	40	3	2	11/16	3/16	0.141	0.110
8	0.164	32	36	4	2-1/8	3/4	1/4	0.168	0.131
10	0.190	24	32	4	2-3/8	7/8	1/4	0.194	0.152
12	0.216	24	28	4	2-3/8	15/16	9/32	0.220	0.165

REGULAR THREAD

Tap Sizes	Threads per Inch	H Limit	Overall Length
1	64 72	H2	1-11/16
2	56 64	H2	1-3/4
3	48 56	H2	1-13/16
4	40 48	H2	1-7/8
5	40 44	H2	1-15/16
6	32 32 40 40	H2 H3 H2 H3	2

Tap Sizes	Threads per Inch	H Limit	Overall Length
8	32 36 36	H3 H2 H3	2-1/8
10	24	H2	2-3/8
10	24 32	H3	2-3/8
12	24 28	H3	2-3/8
12	28	H5	2-3/8

SPECIAL THREAD

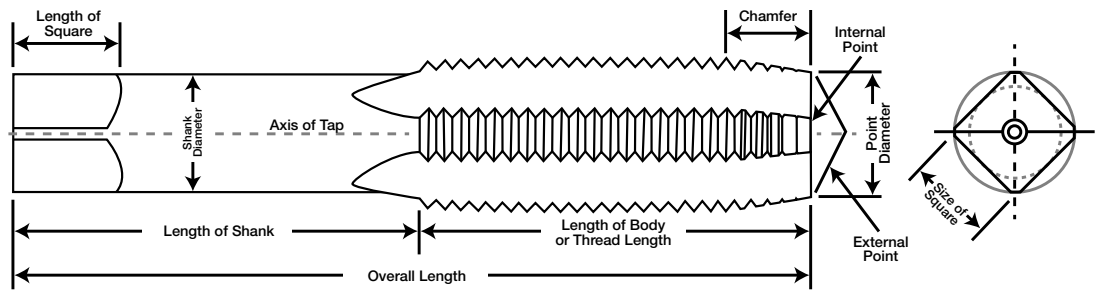
Tap Sizes	Threads per Inch
6	36 48
7	36 40 48
8	24 40 48

Tap Sizes	Threads per Inch
10	28 36 40 48
12	32 36 40 48

Spiral Pointed Taps

Right Hand

HIGH SPEED STEEL



Available with plug chamfer only



GROUND THREAD / FRACTIONAL SIZES



Diameter of Tap	Threads per Inch		Length Overall A	Length of Thread B	Number of Flutes	Length of Square C	Diameter of Shank D	Size of Square
	NC	NF						
1/4	20	28	2-1/2	1	2	5/16	.255	.191
5/16	18	24	2-32/32	1-1/8	2	3/8	.318	.238
3/8	16	24	2-15/16	1-1/4	3	7/16	.381	.286
7/16	14	20	3-5/32	1-7/16	3	13/32	.323	.242
1/2	13	20	3-3/8	1-21/32	3	7/16	.367	.275
9/16	12	18	3-19/32	1-21/32	3	1/2	.429	.322
5/8	11	18	3-13/16	1-13/16	3	9/16	.480	.360
3/4	10	16	4-1/4	2	3	11/16	.590	.442
7/8	9	14	4-11/16	2-7/32	3	3/4	.697	.523
1	8	12	5-1/8	2-1/2	3	13/16	.800	.600

GROUND THREAD / MACHINE SCREW SIZES

Size	Basic Major Diameter	Threads per Inch		Number of Flutes	Length Overall A	Length of Thread B	Length of Square C	Diameter of Shank D	Size of Square
		NC UNC	NF UNF						
0	0.060		80		1-5/8	5/16	3/16	0.141	0.110
1	0.073	64	72		1-11/16	3/8	3/16	0.141	0.110
2	0.086	56	64		1-3/4	7/16	3/16	0.141	0.110
3	0.099	48	56		1-13/16	1/2	3/16	0.141	0.110
4	0.112	40	48	2	1-7/8	9/16	3/16	0.141	0.110
5	0.125	40	44		1-15/16	5/8	3/16	0.141	0.110
6	0.138	32	40		2	11/16	3/16	0.141	0.110
8	0.164	32	36		2-1/8	3/4	1/4	0.168	0.131
10	0.190	24	32		2-3/8	7/8	1/4	0.194	0.152
12	0.216	24	28		2-3/8	15/16	9/32	0.220	0.165

MACHINE SCREW SIZES

Tap Sizes	Threads per Inch	H Limit	Overall Length
0	80	H2	1-5/8
1	64 72	H2	1-11/16
2	56 64	H2	1-3/4
3	48 56	H2	1-13/16
4	40 48	H2	1-7/8
5	40 44	H2	1-15/16

Tap Sizes	Threads per Inch	H Limit	Overall Length
6	32 32 40 40	H2 H3 H2 H3	2
8	40 32 36 36	H2 H3 H2 H3	2-1/8
10	24 24 32	H2 H3 H3	2-3/8
12	24 28	H3	2-3/8

OVERSIZE - FRACTIONAL SIZES & MACHINE SCREW SIZES

Tap Sizes	Threads per Inch
1/4	20 28
5/16	18 24
3/8	16 24
1/2	13 20
6	32
8	32
10	24 32

Tap Sizes	Threads per Inch	H Limit	Overall Length
1/4	20 20 20 28 28	H1 H2 H3 H5 H2 H3	2-1/2
5/16	18 18 18 24 24	H1 H3 H5 H3 H4	2-23/32

Tap Sizes	Threads per Inch	H Limit	Overall Length
3/8	16 16 24	H2 H3 H3	2-5/16
7/16	14 20	H3 H3	3-5/32
1/2	13 13 20	H1 H3 H3	3-3/8
9/16	12 18	H5 H5	3-19/32

Tap Sizes	Threads per Inch	H Limit	Overall Length
5/8	11 11 11 18	H2 H3 H5 H3	3-13/16
3/4	10 16	H3 H3	4-1/4
7/8	9 14	H4 H6	4-11/16
1	8 12 14	H4 H4 H4	5-1/8