

Hand Taps

High Speed Steel – Ground Thread

Hand taps are the most commonly used general purpose taps. They are recommended for tapping free machining steels, stainless steels, aluminum, zinc and ductile steel. Hand taps are utilized in either through or blind hole tapping.



Standard Thread Limits & Flutes

List No. **770** – Standard

List No. **770SET** – 3 Piece Set (Plug, Bottoming, Taper)

List No. **770T** – TiN Coated

List No. **770ST** – Steam Oxide Coated

Steam Oxide Coating produces a thin iron oxide surface which reduces friction between the tool and the chips, acting as a lubrication media.

Plug

3-5 Thread Chamfer

Most versatile choice for through or blind holes.

Bottoming

1-2 Thread Chamfer

Designed for threading near the bottom of blind holes.

Taper

7-10 Thread Chamfer

Have longest standard chamfer for easier starts and less torque.

Please specify plug, bottoming, or taper chamfer when ordering.

Size	Threads Per Inch	Thread Limits	No. of Flutes	Chamfer Available	Price Each			
					Standard 770	(P,T,B) Set 770SET	TiN Coated 770T	Steam Oxide 770ST
0	80	H1	2	P,T,B	11.30	33.90	15.12	12.00
1	64	H1	2	P,T,B	11.30	33.90	14.01	12.00
1	72	H2	2	P,T,B	11.30	33.90	14.01	12.00
2	56	H2	3	P,T,B	11.30	33.90	14.00	12.00
2	64	H2	3	P,T,B	11.30	33.90	14.00	12.00
3	48	H2	3	P,T,B	7.50	22.50	9.70	8.00
3	56	H2	3	P,T,B	9.00	27.00	11.03	9.85
4	36	H2	3	P,T,B	11.30	33.90	13.50	12.00
4	40	H2	3	P,T,B	7.00	21.00	8.91	7.75
4	48	H2	3	P,T,B	7.00	21.00	9.41	7.75
5	40	H2	3	P,T,B	7.00	21.00	8.91	7.75
5	44	H2	3	P,T,B	7.90	23.70	9.33	8.80
6	32	H3	3	P,T,B	5.80	17.40	7.70	6.70
6	40	H2	3	P,T,B	5.80	17.40	7.79	6.50
8	32	H3	4	P,T,B	5.80	17.40	7.70	6.50
8	36	H2	4	P,T,B	6.75	20.25	9.30	7.50
10	24	H3	4	P,T,B	6.75	20.25	9.30	7.50
10	32	H3	4	P,T,B	6.75	20.25	9.30	7.50
12	24	H3	4	P,T,B	6.75	20.25	9.30	7.50
12	28	H3	4	P,T,B	6.75	20.25	9.30	7.50
1/4	20	H3	4	P,T,B	6.75	20.25	9.30	7.50
1/4	28	H3	4	P,T,B	6.75	20.25	10.30	7.50
5/16	18	H3	4	P,T,B	7.50	22.50	10.00	8.00
5/16	24	H3	4	P,T,B	7.50	22.50	10.00	8.00
3/8	16	H3	4	P,T,B	8.90	26.70	13.70	9.60
3/8	24	H3	4	P,T,B	8.90	26.70	13.70	9.60
7/16	14	H3	4	P,T,B	13.20	39.60	20.92	14.00
7/16	20	H3	4	P,T,B	13.20	39.60	20.92	14.00
1/2	13	H3	4	P,T,B	14.50	43.50	21.73	15.00
1/2	20	H3	4	P,T,B	14.50	43.50	23.44	15.00
9/16	12	H3	4	P,T,B	23.20	69.60	37.96	24.00
9/16	18	H3	4	P,T,B	23.20	69.60	37.96	24.00
5/8	11	H3	4	P,T,B	27.50	82.50	42.66	28.20
5/8	18	H3	4	P,T,B	27.50	82.50	42.66	28.20
11/16	11	H3	4	P,T,B	34.60	103.80	49.68	35.70
11/16	16	H3	4	P,T,B	34.60	103.80	49.68	35.70
3/4	10	H3	4	P,T,B	36.38	109.14	54.90	35.70
3/4	16	H3	4	P,T,B	36.38	109.14	54.90	35.70
7/8	9	H4	4	P,T,B	49.50	148.50	72.28	50.50
7/8	14	H4	4	P,T,B	49.50	148.50	72.28	50.50
1"	8	H4	4	P,T,B	67.50	202.50	99.46	68.50
1"	12	H4	4	P,T,B	67.50	202.50	103.34	68.50
1"	14	H4	4	P,T,B	67.50	202.50	103.34	68.50
1-1/8	7	H4	4	P,T,B	110.00	330.00	137.61	112.00

Hand Taps

High Speed Steel – Ground Thread



Standard Thread Limits & Flutes

- List No. **770** – Standard
- List No. **770SET** – 3 Piece Set (Plug, Bottoming, Taper)
- List No. **770T** – TiN Coated
- List No. **770ST** – Steam Oxide Coated

Please specify plug, bottoming, or taper chamfer when ordering.

Size	Threads Per Inch	Thread Limits	No. of Flutes	Chamfer Available	Price Each			
					Standard 770	(P,T,B) Set 770SET	TiN Coated 770T	Steam Oxide 770ST
1-1/8	12	H4	4	P,T,B	110.12	330.36	151.85	112.00
1-1/4	7	H4	4	P,T,B	138.65	415.95	208.03	140.07
1-1/4	12	H4	6	P,T,B	138.65	415.95	210.92	140.07
1-3/8	6	H4	4	P,T,B	198.00	594.00	322.92	204.00
1-3/8	12	H4	6	P,T,B	198.00	594.00	325.73	204.00
1-1/2	6	H4	4	P,T,B	220.00	660.00	350.60	230.00
1-1/2	12	H4	6	P,T,B	220.00	660.00	357.21	230.00

Sets

Description	Tap Sizes	Drill Sizes	Pcs.	Case	Set No.	Price
Plug Tap & Drill Set <small>Features larger drill diameters to minimize tap breakage</small>	6-32, 8-32, 10-24, 10-32, 1/4-20, 5/16-18, 3/8-16, 1/2-13	7/64, #29, #23, #20, 13/64, 17/64, P, 7/16	16	Handy Pouch	770R	82.50
Plug Tap & Drill Set <small>Features smaller drill diameters to create more percentage of thread.</small>	6-32, 8-32, 10-24, 10-32, 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13	#36, #29, #25, #21, #7, F, 5/16, U, 27/64	18	Metal Index	Uncoated Plug Taps & Drills 770X	113.50
					TiN Coated Plug Taps & Drills 770XT	184.80
					Uncoated Spiral Pointed Taps & Drills 780X	106.00
Plug Tap & Drill Set	6-40, 8-36, 10-24, 10-32, 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20	#33, #29, #25, #21, #3, I, Q, 25/64, 29/64	18	Metal Index	770XF	116.00
Plug Tap & Drill Set TiN Coated	6-40, 8-36, 10-24, 10-32, 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20	#33, #29, #25, #21, #3, I, Q, 25/64, 29/64	18	Metal Index	770XFT	202.10
Hand Tap Set <small>All sizes in Plug, Bottoming, and Taper chamfers.</small>	4-40, 5-40, 6-32, 8-32, 10-24, 10-32 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13,	—	33	Wood Stand	770S	284.00



Optional Thread Limits & Flutes

- List No. **770H** – Optional Thread Limits
- List No. **770F** – Optional Flutes
- List No. **770HF** – Optional Thread Limits and Flutes

Please specify plug, bottoming, or taper chamfer when ordering.

Size	Threads Per Inch	Thread Limits	No. of Flutes	Chamfer Available	Price Each		
					Opt. Thread 770H	Opt. Flute 770F	Opt. Thread & Flt. 770HF
0	80	H2	2	P,T,B	12.00	—	—
1	64	H2	2	P,T,B	12.00	—	—
1	72	H1	2	P,T,B	12.00	—	—
2	56	H1	2	P,B	—	—	15.97
2	56	H1	3	P,T,B	12.78	—	—
2	56	H2	2	P,T,B	—	12.78	—
2	64	H1	3	P,T,B	12.78	—	—
2	64	H2	2	P,T,B	—	12.78	—
3	48	H1	3	P,T,B	10.08	—	—
3	48	H2	2	P,T,B	—	12.78	—
3	56	H1	3	P,T,B	10.08	—	—
4	40	H1	2	P,T	—	—	10.01
4	40	H1	3	P,T,B	8.01	—	—
4	40	H2	2	P,T,B	—	8.01	—
4	40	H4	3	P,T	8.01	—	—
4	48	H1	3	P,T,B	8.01	—	—
5	40	H1	3	P,T,B	8.01	—	—
5	40	H2	2	P,T,B	—	8.01	—



Continued on Next Page ▶

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Optional Thread Limits & Flutes ▶ *Continued*

List No. **770H** – Optional Thread Limits

List No. **770F** – Optional Flutes

List No. **770HF** – Optional Thread Limits and Flutes

Please specify plug, bottoming, or taper chamfer when ordering.



Size	Threads Per Inch	Thread Limits	No. of Flutes	Chamfer Available	Price Each		
					Opt. Thread 770H	Opt. Flute 770F	Opt. Thread & Flt. 770HF
5	44	H1	3	P,T,B	8.01	—	—
5	44	H2	2	P	—	7.02	—
6	32	H1	2	P,T	—	—	7.02
6	32	H1	3	P,T,B	7.02	—	—
6	32	H2	2	B	—	—	7.02
6	32	H2	3	P,T,B	7.02	—	—
6	32	H3	2	P,T	—	6.39	—
6	40	H1	2	P,T	—	—	7.02
6	40	H1	3	P,T,B	7.02	—	—
6	40	H2	2	P	—	6.39	—
6	40	H3	2	P	—	—	7.02
8	32	H1	2	P,T	—	—	7.02
8	32	H1	3	P,T,B	—	—	7.02
8	32	H1	4	P,T,B	7.02	—	—
8	32	H2	2	P,T,B	—	—	7.02
8	32	H2	3	P,T	—	—	7.02
8	32	H2	4	P,T,B	7.02	—	—
8	32	H3	2	P,T,B	—	6.03	—
8	32	H3	3	P,T	—	6.03	—
8	32	H7	3	P	—	—	7.02
8	32	H7	4	P,T,B	7.02	—	—
8	36	H1	4	P,T,B	8.01	—	—
10	24	H1	2	P,T	—	—	7.02
10	24	H1	3	P	—	—	7.02
10	24	H1	4	P,T,B	7.95	—	—
10	24	H2	3	P,T	—	—	7.02
10	24	H2	4	P,T,B	7.95	—	—
10	24	H3	2	P,T,B	—	7.50	—
10	24	H3	3	P,T,B	—	7.50	—
10	24	H7	3	P,B	—	—	8.25
10	24	H7	4	P,B	8.25	—	—
10	32	H1	2	P,B	—	—	8.25
10	32	H1	4	P,T,B	7.95	—	—
10	32	H2	2	P,T,B	—	—	8.25
10	32	H2	3	P,T,B	—	—	8.25
10	32	H2	4	P,T,B	7.95	—	—
10	32	H3	2	P,T,B	—	7.50	—
10	32	H3	3	P,T,B	—	7.50	—
10	32	H4	2	P,T,B	—	—	8.25
10	32	H6	4	P,T,B	8.25	—	—
10	32	H7	3	P,T,B	—	—	8.25
10	32	H7	4	P,T,B	8.25	—	—
12	24	H1	4	P,T,B	7.95	—	—
12	24	H2	4	P,T,B	7.95	—	—
12	28	H1	4	P,T,B	7.95	—	—
12	28	H2	4	P,T,B	7.95	—	—
12	28	H3	2	P,T	—	7.50	—
1/4	20	H1	2	P	—	—	8.01
1/4	20	H1	3	P,T	—	—	8.01
1/4	20	H1	4	P,T,B	8.10	—	—
1/4	20	H2	2	P,T	—	—	8.01
1/4	20	H2	3	P,T,B	—	—	8.01
1/4	20	H2	4	P,T,B	8.10	—	—
1/4	20	H3	2	P,T,B	—	8.01	—
1/4	20	H3	3	P,T,B	—	8.01	—
1/4	20	H5	3	P,T,B	—	—	8.01

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Optional Thread Limits & Flutes

List No. **770H** – Optional Thread Limits

List No. **770F** – Optional Flutes

List No. **770HF** – Optional Thread Limits and Flutes



Please specify plug, bottoming, or taper chamfer when ordering.

Size	Threads Per Inch	Thread Limits	No. of Flutes	Chamfer Available	Price Each		
					Opt. Thread 770H	Opt. Flute 770F	Opt. Thread. & Flt. 770HF
1/4	20	H5	4	P,T,B	7.74	—	—
1/4	28	H1	3	P,T	—	—	8.01
1/4	28	H1	4	P,T,B	7.79	—	—
1/4	28	H2	3	P	—	—	8.01
1/4	28	H2	4	P,T,B	8.10	—	—
1/4	28	H3	2	P,T,B	—	8.10	—
1/4	28	H3	3	P,T,B	—	8.10	—
1/4	28	H4	3	P,T,B	—	—	8.01
1/4	28	H4	4	P,T,B	8.10	—	—
1/4	28	H5	4	P,T,B	8.10	—	—
5/16	18	H1	3	P,T,B	—	—	9.00
5/16	18	H1	4	P,T,B	9.14	—	—
5/16	18	H2	4	P,T,B	9.14	—	—
5/16	18	H3	2	P,T,B	—	10.17	—
5/16	18	H3	3	P,T,B	—	9.00	—
5/16	18	H4	4	P,T,B	9.00	—	—
5/16	18	H5	2	P,T,B	---	---	9.00
5/16	18	H5	3	P,T,B	---	---	9.00
5/16	18	H5	4	P,T,B	9.00	—	—
5/16	18	H7	4	P,T	9.00	—	—
5/16	18	H9	2	P,T,B	—	—	9.00
5/16	24	H1	4	P,T,B	9.00	—	—
5/16	24	H2	3	P,T,B	—	—	9.00
5/16	24	H2	4	P,T,B	9.00	—	—
5/16	24	H3	2	P,T,B	—	9.00	—
5/16	24	H3	3	P,T,B	—	9.00	—
5/16	24	H4	3	P,T	—	—	9.00
5/16	24	H4	4	P,T,B	9.00	—	—
5/16	24	H5	4	P	9.00	—	—
3/8	16	H1	3	P,T,B	—	—	11.70
3/8	16	H1	4	P,T,B	11.70	—	—
3/8	16	H2	3	P	—	—	11.70
3/8	16	H2	4	P,T,B	10.22	—	—
3/8	16	H3	3	P,T,B	—	10.17	—
3/8	16	H5	3	P,T,B	—	—	11.70
3/8	16	H5	4	P,T,B	10.22	—	—
3/8	16	H8	3	P,T	—	—	11.70
3/8	24	H1	4	P,T,B	11.70	—	—
3/8	24	H2	3	P,T,B	—	—	11.70
3/8	24	H2	4	P,T,B	10.71	—	—
3/8	24	H3	3	P,T,B	—	11.70	—
3/8	24	H4	3	P,T,B	—	—	11.70
3/8	24	H4	4	P,T,B	10.22	—	—
3/8	24	H5	4	P,T,B	10.22	—	—
3/8	24	H8	3	B	—	—	11.70
7/16	14	H1	4	P,T,B	17.01	—	—
7/16	14	H2	4	P,T,B	17.01	—	—
7/16	14	H3	3	P,T,B	—	17.01	—
7/16	14	H5	3	P,T,B	—	—	17.01
7/16	14	H5	4	P,T,B	17.01	—	—
7/16	20	H1	3	P,T,B	—	—	17.01
7/16	20	H1	4	P,T,B	17.01	—	—
7/16	20	H2	4	P,T,B	17.01	—	—
7/16	20	H3	3	P,T	—	17.01	—
7/16	20	H4	4	P,T,B	17.01	—	—

Continued on Next Page ▶

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Optional Thread Limits & Flutes ▶ *Continued*

List No. **770H** – Optional Thread Limits

List No. **770F** – Optional Flutes

List No. **770HF** – Optional Thread Limits and Flutes



Please specify plug, bottoming, or taper chamfer when ordering.

Size	Threads Per Inch	Thread Limits	No. of Flutes	Chamfer Available	Price Each		
					Opt. Thread. 770H	Opt. Flt. 770F	Opt. T&F 770HF
7/16	20	H5	4	P,T,B	17.01	—	—
7/16	20	H6	4	P,T,B	17.01	—	—
7/16	20	H10	4	P,T	17.01	—	—
1/2	13	H1	4	P,T,B	19.98	—	—
1/2	13	H2	4	P,T,B	19.98	—	—
1/2	13	H3	3	P,T,B	—	20.25	—
1/2	13	H5	3	P,T,B	—	—	20.25
1/2	13	H5	4	P,T,B	19.98	—	—
1/2	13	H8	4	P,T	19.98	—	—
1/2	13	H10	4	P,T,B	19.98	—	—
1/2	20	H1	3	P,T,B	—	—	20.25
1/2	20	H1	4	P,T,B	19.98	—	—
1/2	20	H2	4	P,T,B	19.98	—	—
1/2	20	H3	3	P,T,B	—	20.25	—
1/2	20	H5	3	P,T	—	—	20.25
1/2	20	H5	4	P,T,B	19.98	—	—
9/16	12	H2	4	P,T,B	29.70	—	—
9/16	12	H5	4	P,T,B	29.70	—	—
9/16	18	H1	4	P,T	29.70	—	—
9/16	18	H2	4	P,T,B	29.70	—	—
9/16	18	H5	4	P,T,B	29.70	—	—
5/8	11	H1	4	P,T,B	37.71	—	—
5/8	11	H2	4	P,T,B	37.71	—	—
5/8	11	H5	4	P,T,B	37.71	—	—
5/8	11	H3	3	B	—	38.90	—
5/8	18	H1	4	P,T,B	37.71	—	—
5/8	18	H2	4	P,T,B	37.71	—	—
5/8	18	H4	4	P,T,B	37.71	—	—
5/8	18	H5	4	P,T,B	37.71	—	—
3/4	10	H1	4	P,T	49.50	—	—
3/4	10	H2	4	P,T	49.50	—	—
3/4	10	H3	3	P	—	51.75	—
3/4	10	H5	4	P,T,B	49.50	—	—
3/4	16	H1	4	P,T,B	49.50	—	—
3/4	16	H2	4	P,T	49.50	—	—
3/4	16	H5	4	P,T,B	49.50	—	—
7/8	9	H1	4	P,T,B	67.28	—	—
7/8	9	H3	4	P,T	67.28	—	—
7/8	9	H5	4	P,T	67.28	—	—
7/8	9	H6	4	P,T,B	67.28	—	—
7/8	14	H2	4	P,T	67.28	—	—
7/8	14	H3	4	T	67.28	—	—
7/8	14	H10	4	P,T	67.28	—	—
1"	8	H1	4	P,T,B	87.75	—	—
1"	8	H2	4	P,T	87.75	—	—
1"	8	H3	4	P,T	87.75	—	—
1"	8	H6	4	P,T	87.75	—	—
1"	12	H1	4	P,T,B	87.75	—	—
1"	14	H1	4	P,T,B	87.75	—	—
1"	14	H2	4	P,T,B	87.75	—	—
1"	14	H3	4	P,T,B	87.75	—	—
1"	14	H6	4	P	87.75	—	—
1-1/8	7	H8	4	P,T,B	139.50	—	—
1-1/8	12	H1	4	P,T,B	149.40	—	—
1-1/8	12	H3	4	P,T,B	148.50	—	—
1-1/8	12	H5	4	P,T,B	148.50	—	—
1-3/8	12	H8	6	P,T,B	190.00	—	—
1-1/2	12	H2	4	P,T,B	278.10	—	—

MDX[®] Hand Taps

High Speed Steel

These taps are made from quality high speed steel. Intended for general maintenance applications,

Plug

3-5 Thread Chamfer
Most versatile choice for through or blind holes.

Bottoming

1-2 Thread Chamfer
Designed for threading near the bottom of blind holes.

Taper

7-10 Thread Chamfer
Have longest standard chamfer for easier starts and less torque.



List No. **772** – Hand Taps

List No. **772SET** – 3 Piece Set (Plug, Bottoming, Taper)

Please specify plug, bottoming, or taper chamfer when ordering.



Size	Threads Per Inch	Price Each	
		Hand Taps 772	3 Pc. Set 772SET
0	80	8.45	25.34
1	64	8.25	24.75
1	72	8.25	24.75
2	56	6.86	20.59
2	64	6.86	20.59
3	48	5.41	16.24
3	56	5.41	16.24
4	36	3.89	11.68
4	40	3.89	11.68
4	48	3.89	11.68
5	40	4.06	12.18
5	44	4.06	12.18
6	32	3.23	9.70
6	40	3.23	9.70
8	32	3.23	9.70
8	36	3.23	9.70
10	24	3.23	9.70
10	32	3.23	9.70
12	24	3.43	10.30
12	28	3.43	10.30
1/4	20	3.23	9.70
1/4	28	3.23	9.70
5/16	18	4.16	12.47
5/16	24	4.16	12.47
3/8	16	4.69	14.06
3/8	24	4.69	14.06

Size	Threads Per Inch	Price Each	
		Hand Taps 772	3 Pc. Set 772SET
7/16	14	7.69	23.07
7/16	20	7.69	23.07
1/2	13	8.55	25.64
1/2	20	8.55	25.64
9/16	12	13.93	41.80
9/16	18	13.93	41.80
5/8	11	17.02	51.06
5/8	18	17.02	51.06
11/16	11	20.46	61.38
11/16	16	20.46	61.38
3/4	10	22.94	68.81
3/4	16	22.94	68.81
7/8	9	32.67	98.01
7/8	14	32.67	98.01
1"	8	42.90	128.70
1"	12	42.90	128.70
1"	14	42.90	128.70
1-1/8	7	68.05	204.14
1-1/8	12	68.05	204.14
1-1/4	7	88.90	266.71
1-1/4	12	88.90	266.71
1-3/8	6	111.87	335.61
1-3/8	12	111.87	335.61
1-1/2	6	130.02	390.06
1-1/2	12	130.02	390.06

MDX[®] Spiral Pointed Taps

High Speed Steel

List No. **782** – Plug Chamfer

These taps perform well in light production runs.



Size	Threads Per Inch	Price Each
0	80	10.30
1	64	9.36
1	72	9.36
2	56	7.85
2	64	8.98
3	48	6.34
3	56	7.00
4	40	5.15
4	48	5.15
5	40	5.15
5	44	5.15
6	32	4.28
6	40	4.28
8	32	4.28

Size	Threads Per Inch	Price Each
8	36	4.28
10	24	4.28
10	32	4.28
12	24	4.28
12	28	4.28
1/4	20	3.93
1/4	28	3.93
5/16	18	4.29
5/16	24	4.29
3/8	16	3.93
3/8	24	3.93
7/16	14	8.25
7/16	20	8.25
1/2	13	9.08

Size	Threads Per Inch	Price Each
1/2	20	9.08
9/16	12	16.34
9/16	18	16.34
5/8	11	19.07
5/8	18	19.07
11/16	12	17.52
11/16	16	17.52
3/4	10	26.40
3/4	16	26.40
7/8	9	37.95
7/8	14	37.95
1"	8	50.56
1"	12	50.56
1"	14	50.56

Hand Taps - Carbon Steel



Please specify plug, bottoming, or taper chamfer when ordering.

List No. **772CB** – Hand Taps

List No. **772CB SET** – 3 Piece Set (P, T, B)



Size	Threads Per Inch	Price Each	
		Hand Taps 772CB	3 Pc. Set 772CB SET
0	80	3.35	10.04
1	64	3.12	9.37
1	72	3.12	9.37
2	56	2.99	8.96
2	64	2.99	8.96
3	48	2.16	6.48
3	56	2.16	6.48
4	36	2.16	6.48
4	40	2.16	6.48
4	48	2.16	6.48
5	40	1.79	5.37
5	44	1.79	5.37
6	32	1.79	5.37
6	36	2.48	7.44
6	40	1.79	5.37
8	32	1.79	5.37
8	36	1.79	5.37
10	24	1.93	5.78
10	32	1.97	5.91
12	24	2.24	6.72
12	28	2.24	6.72
14	20	2.24	6.72
1/16	64	1.75	5.24
3/32	50	1.75	5.24
1/8	40	1.75	5.24
5/32	32	1.75	5.24
5/32	36	1.75	5.24
3/16	24	1.93	5.78
3/16	32	1.93	5.78
7/32	24	2.25	6.75
7/32	32	2.25	6.75
1/4	20	2.25	6.75
1/4	24	2.93	8.79
1/4	28	2.25	6.75
5/16	18	2.75	8.26
5/16	24	2.75	8.26

Size	Threads Per Inch	Price Each	
		Hand Taps 772CB	3 Pc. Set 772CB SET
3/8	16	3.08	9.23
3/8	24	3.08	9.23
7/16	14	4.04	12.12
7/16	20	4.04	12.12
1/2	13	4.64	13.91
1/2	20	4.64	13.91
9/16	12	6.29	18.87
9/16	18	6.29	18.87
5/8	11	6.98	20.93
5/8	18	6.98	20.93
11/16	11	8.91	26.73
11/16	16	8.91	26.73
3/4	10	9.92	29.75
3/4	16	9.92	29.75
7/8	9	13.91	41.72
7/8	14	13.91	41.72
1"	8	17.31	51.92
1"	12	17.31	51.92
1"	14	17.31	51.92
1-1/8	7	34.52	103.55
1-1/8	12	34.52	103.55
1-1/4	7	39.75	119.26
1-1/4	12	39.75	119.26
1-3/8	6	45.77	137.30
1-3/8	12	45.77	137.30
1-1/2	6	53.94	161.81
1-1/2	12	53.94	161.81
1-3/4	5	76.50	229.50
1-7/8*	12	95.00	—
2"	4-1/2	98.10	294.30
2-1/8	12	106.00	318.00
2-1/4	4-1/2	117.00	351.00
2-1/2	4	175.00	525.00
2-7/8	12	288.00	864.00
3"*	12	315.00	—

*Plug Chamfer Only

Sets

Sizes	Description	Pcs.	Set No.	Price
10-24, 1/4-20, 5/16-18, 3/8-16	NC Set	4	772CBC	9.50
10-32, 1/4-28, 5/16-24, 3/8-24	NF Set	4	772CBF	9.50



TiN-Coated Carbon Steel Hand Taps



List No. **772CBT** – Plug Chamfer



Size	Threads Per Inch	Price Each
4	40	5.02
6	32	4.65
8	32	5.57
10	24	7.05

Size	Threads Per Inch	Price Each
10	32	7.09
12	24	7.81
14	20	8.05
1/4	20	7.82

Size	Threads Per Inch	Price Each
1/4	28	7.37
5/16	18	10.51
5/16	24	10.51
3/8	24	10.85

Spiral Pointed Carbon Steel Taps



List No. **782CB** – Plug Chamfer

Size	Threads Per Inch	Price Each
4	40	2.54
5	40	2.54
6	32	2.54
6	40	2.54
8	32	2.54
10	24	2.54
10	32	2.54

Size	Threads Per Inch	Price Each
12	24	2.54
14	24	2.54
3/16	24	2.54
1/4	20	2.66
1/4	28	2.66
5/16	18	3.06
5/16	24	3.06

Size	Threads Per Inch	Price Each
3/8	16	3.56
3/8	24	3.56
7/16	14	4.95
7/16	20	4.95
1/2	13	6.12
1/2	20	6.12

Metric Carbon Steel Taps



Please specify plug, bottoming, or taper chamfer when ordering.

List No. **773MCB** – Hand Taps

List No. **773MCB SET** – 3 Piece Set (P, T, B)

Size mm	Pitch mm	Price Each	
		Hand Taps 773MCB	3 Pc. Set 773MCB SET
3.00	.50	2.48	7.43
3.00	.60	2.48	7.43
4.00	.70	2.25	6.75
4.00	.75	2.25	6.75
5.00	.75	2.25	6.75
5.00	.80	2.25	6.75
5.00	.90	2.48	7.43
6.00	.75	2.48	7.43
6.00	1.00	2.48	7.43
7.00	1.00	2.93	8.78
8.00	1.00	3.11	9.32
8.00	1.25	3.11	9.32
9.00	.75	3.51	10.53
9.00	1.00	3.51	10.53
9.00	1.25	4.19	12.56
10.00	1.00	4.19	12.56
10.00	1.25	4.19	12.56
10.00	1.50	4.19	12.56
11.00	1.00	4.50	13.50
11.00	1.50	4.50	13.50
12.00	1.25	4.86	14.58

Size mm	Pitch mm	Price Each	
		Hand Taps 773MCB	3 Pc. Set 773MCB SET
12.00	1.50	4.86	14.58
12.00	1.75	4.86	14.58
13.00	1.75	6.75	20.25
14.00	1.25	6.75	20.25
14.00	1.50	6.75	20.25
14.00	2.00	6.75	20.25
16.00	1.50	8.55	25.65
16.00	2.00	8.55	25.65
18.00	1.50	11.48	34.43
18.00	2.50	11.48	34.43
20.00	1.50	13.50	40.50
20.00	2.50	13.50	40.50
22.00	1.50	18.00	54.00
22.00	2.50	18.00	54.00
24.00	1.50	22.50	67.50
24.00	3.00	22.50	67.50
27.00	2.00	28.35	85.05
27.00	3.00	28.35	85.05
30.00	2.00	37.80	113.40
30.00	3.50	37.80	113.40

Tap Lubricants



Professional Tap Lubricant Biodegradable

For metal & metal cutting applications

Size	Tool No.	Price Each
4 ounce	T0065	4.90
16 ounce	T0070	15.68
1 Gallon	T0075	94.08
5 Gallon	T0080	343.40
35 Gallon	T0085	1836.80
55 Gallon	T0090	3241.00

Aluminum Formula Tap Lubricant

For Superior aluminum machining

Size	Tool No.	Price Each
4 ounce	T0035	4.90
16 ounce	T0040	15.68
1 Gallon	T0045	94.08
5 Gallon	T0050	343.40
35 Gallon	T0055	1836.80
55 Gallon	T0060	3241.00

Standard Tap Lubricant

For metal & metal cutting applications

Size	Tool No.	Price Each
4 ounce	T0095	4.90
16 ounce	T0100	15.68
1 Gallon	T0105	94.08
5 Gallon	T0110	343.40
35 Gallon	T0115	1836.80
55 Gallon	T0120	3241.00

Spiral Pointed Taps

High Speed Steel – Ground Thread



Spiral Pointed Taps are used to solve the problem of tap breakage in through hole tapping in a wide variety of materials. They shoot the chips ahead of the tap thereby reducing loading and clogging in the flutes.



MADE IN USA



MICHIGAN
DRILL & CUTTING TOOLS

Standard

List No. **780** – Plug Chamfer

List No. **780B** – Bottoming

Size	Threads Per Inch	Thread Limits	No. of Flutes	Price Each	
				Plug 780	Bottoming 780B
0	80	H1	2	13.34	14.67
1	64	H1	2	13.34	14.67
1	72	H2	2	13.34	—
2	56	H2	2	10.30	11.33
2	64	H2	2	13.34	14.67
3	48	H2	2	8.22	9.04
3	56	H2	2	8.92	9.81
4	36	H2	2	9.20	10.12
4	40	H2	2	6.64	7.30
4	48	H2	2	7.68	8.45
5	40	H2	2	6.95	7.65
5	44	H2	2	7.95	8.75
6	32	H3	2	5.52	6.07
6	40	H2	2	6.28	6.91
8	32	H3	2	5.52	6.07
8	36	H2	2	6.28	6.91
10	24	H3	2	5.52	6.07
10	32	H3	2	5.52	6.07
12	24	H3	2	6.28	6.91
12	28	H3	2	6.28	6.91
1/4	20	H3	2	5.26	5.78

Size	Threads Per Inch	Thread Limits	No. of Flutes	Price Each	
				Plug 780	Bottoming 780B
1/4	28	H3	2	5.26	5.78
5/16	18	H3	2	7.65	8.41
5/16	24	H3	2	7.65	8.41
3/8	16	H3	3	7.69	8.46
3/8	24	H3	3	7.69	8.46
7/16	14	H3	3	12.60	—
7/16	20	H3	3	12.60	—
1/2	13	H3	3	13.08	16.40
1/2	20	H3	3	13.08	—
9/16	12	H3	3	25.48	—
9/16	18	H3	3	25.48	—
5/8	11	H3	3	27.50	—
5/8	18	H3	3	27.50	—
3/4	10	H3	3	38.80	—
3/4	16	H3	3	38.80	—
7/8	9	H4	3	65.00	—
7/8	14	H4	3	65.00	—
1"	8	H4	3	88.00	—
1"	12	H4	3	88.00	—
1"	14	H4	3	88.00	—

Optional Thread Limits

List No. **780H** – Plug Chamfer

Size	Threads Per Inch	Thread Limits	No. of Flutes	Price Each
0	80	H2	2	13.34
1	64	H2	2	13.34
1	72	H1	2	13.34
2	56	H1	2	13.34
2	56	H3	2	13.34
2	64	H1	2	13.34
3	48	H1	2	9.20
3	56	H1	2	9.20
4	40	H1	2	8.65
4	48	H1	2	8.65
5	40	H1	2	8.65
5	44	H1	2	10.50
6	32	H1	2	6.50
6	32	H2	2	6.50
6	32	H6	2	6.50
6	40	H1	2	8.50
8	32	H1	2	6.50
8	32	H2	2	6.50
8	32	H5	2	6.50
8	36	H1	2	7.50
8	36	H3	2	7.50
10	24	H1	2	6.50
10	24	H2	2	6.50
10	24	H5	2	6.50
10	32	H1	2	6.50
10	32	H2	2	6.50
10	32	H4	2	6.50
10	32	H5	2	6.50
12	24	H1	2	7.00
12	24	H2	2	7.00
12	28	H1	2	7.00
1/4	20	H1	2	6.50
1/4	20	H2	2	6.50
1/4	20	H5	2	6.50
1/4	28	H1	2	6.50

Size	Threads Per Inch	Thread Limits	No. of Flutes	Price Each
1/4	28	H2	2	6.50
1/4	28	H4	2	6.50
1/4	28	H5	3	6.50
5/16	18	H1	2	8.50
5/16	18	H2	2	8.50
5/16	18	H5	2	8.50
5/16	24	H1	2	8.50
5/16	24	H2	2	8.50
5/16	24	H4	2	8.50
5/16	24	H5	2	8.50
3/8	16	H1	3	9.24
3/8	16	H2	3	9.24
3/8	16	H5	3	9.24
3/8	24	H1	2	9.24
3/8	24	H2	3	9.24
3/8	24	H4	3	9.24
3/8	24	H7	3	9.24
7/16	14	H1	3	14.11
7/16	14	H2	3	14.11
7/16	14	H4	3	14.11
7/16	14	H5	3	14.11
7/16	20	H1	3	14.11
7/16	20	H2	3	14.11
7/16	20	H5	3	14.11
1/2	13	H1	3	16.87
1/2	13	H2	3	16.87
1/2	20	H1	3	16.87
1/2	20	H2	3	16.87
1/2	20	H5	3	16.87
9/16	12	H1	3	32.50
5/8	11	H5	3	33.40
3/4	10	H5	3	46.50
3/4	16	H5	3	46.50
7/8	9	H5	3	72.60
1"	8	H6	3	100.72

Coated Spiral Pointed Taps

High Speed Steel

List No. 780ST – Surface Treated

Steam Oxide Coating produces a thin iron oxide surface which reduces friction between the tool and the chips, acting as a solid lubricant.

List No. 780T – TiN Coated

Provides thin coating for wear and lubricity. Also increases tool life and productivity.



Size	Threads Per Inch	Thread Limits	No. of Flutes	Price Each	
				Steam Oxide 780ST	TiN Coated 780T
0	80	H1	2	14.20	18.00
1	64	H1	2	14.20	18.00
1	72	H2	2	14.20	18.00
2	56	H2	2	11.20	15.00
2	64	H2	2	14.40	15.72
3	48	H2	2	9.21	11.50
3	56	H2	2	9.21	11.50
4	36	H2	2	9.45	11.43
4	40	H2	2	7.30	11.43
4	48	H2	2	8.25	11.43
5	40	H2	2	7.50	11.43
5	44	H2	2	8.50	11.43
6	32	H3	2	6.20	9.63
6	40	H2	2	6.83	9.63
8	32	H3	2	6.20	9.63
8	36	H2	2	6.83	9.63
10	24	H3	2	6.20	9.63
10	32	H3	2	6.20	9.63
12	24	H3	2	6.83	10.98
12	28	H3	2	6.83	10.98
1/4	20	H3	2	6.10	10.98

Size	Threads Per Inch	Thread Limits	No. of Flutes	Price Each	
				Steam Oxide 780ST	TiN Coated 780T
1/4	28	H3	2	6.10	10.98
5/16	18	H3	2	8.25	10.36
5/16	24	H3	2	8.25	10.36
3/8	16	H3	3	8.82	13.24
3/8	24	H3	3	8.82	21.16
7/16	14	H3	3	13.50	21.16
7/16	20	H3	3	13.50	21.20
1/2	13	H3	3	14.50	21.20
1/2	20	H3	3	14.50	21.20
9/16	12	H3	3	26.80	31.72
9/16	18	H3	3	26.80	31.72
5/8	11	H3	3	29.00	41.00
5/8	18	H3	3	29.00	41.00
3/4	10	H3	3	40.59	55.00
3/4	16	H3	3	40.59	55.00
7/8	9	H4	3	68.00	88.20
7/8	14	H4	3	68.00	88.20
1"	8	H4	3	91.00	123.30
1"	12	H4	3	91.00	123.30
1"	14	H4	3	91.00	123.30

Metric Spiral Pointed Taps

High Speed Steel – Ground Thread

List No. 774M – Plug Chamfer



Size mm	Pitch mm	No. of Flutes	Hand Tap 774M
1.40	.30	2	19.34
1.50	.30	2	19.34
1.50	.35	2	24.03
1.60	.35	2	19.34
1.70	.20	2	19.34
1.70	.35	2	19.34
1.80	.35	2	19.34
2.00	.25	2	17.82
2.00	.40	2	17.82
2.00	.45	2	17.82
2.20	.45	2	14.22
2.30	.40	2	14.22
2.50	.45	2	14.22
2.50	.50	2	13.75
2.60	.35	2	13.75
2.60	.45	2	14.22
2.80	.45	2	14.22
3.00	.35	2	10.23
3.00	.50	2	10.23
3.00	.60	2	10.23
3.50	.50	2	8.81
3.50	.60	2	8.81
4.00	.35	2	10.23
4.00	.50	2	8.81
4.00	.70	2	8.81
4.50	.50	2	10.23
4.50	.75	2	8.81
5.00	.50	2	8.81
5.00	.75	2	8.81
5.00	.80	2	8.81

Size mm	Pitch mm	No. of Flutes	Hand Tap 774M
5.00	.90	2	8.81
5.00	1.00	2	8.81
5.50	.90	2	8.81
6.00	.50	2	10.23
6.00	.75	2	8.81
6.00	.80	2	8.81
6.00	1.00	2	8.81
6.30	1.00	2	8.81
7.00	.50	2	10.23
7.00	.75	2	10.23
7.00	1.00	2	10.23
8.00	.50	2	10.23
8.00	.75	2	10.23
8.00	1.00	2	10.23
8.00	1.25	2	10.23
8.00	1.50	2	10.23
9.00	.50	2	10.23
9.00	1.00	2	10.23
9.00	1.25	2	10.23
10.00	.50	3	16.90
10.00	.75	3	16.90
10.00	1.00	3	16.90
10.00	1.25	3	16.90
10.00	1.50	3	16.90
11.00	.50	3	16.90
11.00	.75	3	16.90
11.00	1.00	3	16.90
11.00	1.50	3	16.90
12.00	.50	3	20.70
12.00	.75	3	20.70

Size mm	Pitch mm	No. of Flutes	Hand Tap 774M
12.00	.80	3	20.70
12.00	1.00	3	20.70
12.00	1.25	3	20.70
12.00	1.50	3	20.70
12.00	1.75	3	20.70
13.00	.50	3	25.88
13.00	1.00	3	25.88
13.00	1.25	3	25.88
13.00	1.50	3	25.88
13.00	2.00	3	25.88
14.00	.50	3	31.37
14.00	.75	3	31.37
14.00	1.25	3	31.37
14.00	1.50	3	31.37
14.00	2.00	3	31.37
16.00	1.00	3	36.57
16.00	1.50	3	36.57
16.00	2.00	3	36.57
18.00	1.00	3	45.78
18.00	1.50	3	45.78
18.00	2.00	3	45.78
18.00	2.50	3	45.78
20.00	1.00	3	66.48
20.00	1.50	3	66.48
20.00	2.00	3	66.48
20.00	2.50	3	66.48
22.00	1.50	3	88.16
22.00	2.50	3	88.16
24.00	2.00	3	106.69
24.00	3.00	3	106.69

Metric Hand Taps

High Speed Steel – Ground Thread



Please specify plug, bottoming or taper chamfer when ordering.

List No. 773M – Hand Taps

List No. 773M SET – 3 Piece Set (Plug, Bottoming, Taper)



THREADING

Size mm	Pitch mm	No. of Flutes	Price Each	
			Hand Tap 773M	3 Pc. Set 773MSET
1.00	.20	2	21.15	63.45
1.00	.25	2	21.15	63.45
1.10	.25	2	21.15	63.45
1.20	.20	2	21.15	63.45
1.20	.25	2	21.15	63.45
1.40	.20	2	21.15	63.45
1.40	.30	2	21.15	63.45
1.50	.30	2	21.15	63.45
1.50	.35	2	21.15	63.45
1.60	.35	2	18.14	54.43
1.70	.20	2	18.14	54.43
1.70	.35	2	18.14	54.43
1.80	.35	2	18.14	54.43
2.00	.25	3	17.28	51.84
2.00	.35	3	17.28	51.84
2.00	.40	3	17.28	51.84
2.00	.45	3	17.28	51.84
2.20	.40	3	14.80	44.40
2.20	.45	3	11.52	34.56
2.30	.40	3	11.52	34.56
2.50	.45	3	10.62	31.86
2.50	.50	3	10.62	31.86
2.50	.55	3	14.80	44.40
2.60	.35	3	10.62	31.86
2.60	.45	3	10.62	31.86
2.80	.45	3	10.62	31.86
3.00	.35	3	8.82	26.46
3.00	.50	3	8.82	26.46
3.00	.60	3	7.29	21.87
3.50	.35	3	7.29	21.87
3.50	.50	3	7.29	21.87
3.50	.60	3	7.29	21.87
4.00	.35	4	8.28	24.84
4.00	.50	4	7.56	22.68
4.00	.70	4	7.29	21.87
4.00	.75	4	7.56	22.68
4.50	.50	4	7.56	22.68
4.50	.75	4	7.29	21.87
5.00	.50	4	7.56	22.68
5.00	.70	4	7.56	22.68
5.00	.75	4	7.56	22.68
5.00	.80	4	7.29	21.87
5.00	.90	4	7.56	22.68
5.00	1.00	4	7.56	22.68
5.50	.70	4	7.56	22.68
5.50	.90	4	7.56	22.68
6.00	.50	4	7.74	23.22
6.00	.75	4	7.74	23.22
6.00	1.00	4	7.74	23.22
6.30	1.00	4	8.37	25.11
7.00	.50	4	8.37	25.11
7.00	.75	4	8.37	25.11
7.00	1.00	4	8.37	25.11
7.00	1.25	4	8.37	25.11
8.00	.50	4	8.28	24.84
8.00	.75	4	8.28	24.84
8.00	1.00	4	8.28	24.84
8.00	1.25	4	8.28	24.84
8.00	1.50	4	8.34	25.03
8.50	1.50	4	10.88	32.64
9.00	.50	4	10.88	32.64
9.00	.75	4	10.88	32.64
9.00	1.00	4	10.88	32.64
9.00	1.25	4	10.88	32.64

Size mm	Pitch mm	No. of Flutes	Price Each	
			Hand Tap 773M	3 Pc. Set 773MSET
9.00	1.50	4	10.88	32.64
9.00	2.00	4	10.88	32.64
10.00	.50	4	11.79	35.37
10.00	.75	4	11.79	35.37
10.00	1.00	4	11.79	35.37
10.00	1.25	4	11.79	35.37
10.00	1.50	4	12.42	37.26
11.00	.50	4	15.83	47.49
11.00	.75	4	15.83	47.49
11.00	1.00	4	15.83	47.49
11.00	1.25	4	15.83	47.49
11.00	1.50	4	15.83	47.49
12.00	.50	4	18.90	56.70
12.00	.80	4	18.90	56.70
12.00	.75	4	18.90	56.70
12.00	1.00	4	18.90	56.70
12.00	1.25	4	18.90	56.70
12.00	1.50	4	18.90	56.70
12.00	1.75	4	18.90	56.70
13.00	.50	4	28.08	84.24
13.00	1.00	4	28.08	84.24
13.00	1.25	4	28.08	84.24
13.00	1.50	4	28.08	84.24
13.00	1.75	4	28.08	84.24
13.00	2.00	4	28.08	84.24
14.00	.50	4	28.08	84.24
14.00	.75	4	28.08	84.24
14.00	1.00	4	28.08	84.24
14.00	1.25	4	28.08	84.24
14.00	1.50	4	28.08	84.24
14.00	1.75	4	28.08	84.24
15.00	.50	4	34.44	103.33
15.00	1.00	4	34.44	103.33
15.00	1.25	4	34.44	103.33
15.00	1.50	4	34.44	103.33
15.00	2.00	4	34.44	103.33
16.00	.50	4	34.44	103.33
16.00	.75	4	34.44	103.33
16.00	1.00	4	34.44	103.33
16.00	1.25	4	34.44	103.33
16.00	1.50	4	34.44	103.33
16.00	1.75	4	34.44	103.33
16.00	2.00	4	34.44	103.33
16.00	2.50	4	34.44	103.33
17.00	.50	4	34.44	103.33
17.00	.75	4	46.26	138.78
17.00	1.00	4	46.26	138.78
17.00	1.50	4	46.26	138.78
17.00	2.00	4	46.26	138.78
18.00	.50	4	46.26	138.78
18.00	.75	4	46.26	138.78
18.00	1.00	4	46.26	138.78
18.00	1.25	4	46.26	138.78
18.00	1.50	4	46.26	138.78
18.00	1.75	4	46.26	138.78
18.00	2.00	4	46.26	138.78
18.00	2.50	4	46.26	138.78
19.00	.50	4	55.51	166.53
19.00	1.00	4	55.51	166.53
19.00	1.50	4	55.51	166.53
19.00	2.00	4	55.51	166.53
20.00	.75	4	62.90	188.70
20.00	1.00	4	62.90	188.70

Size mm	Pitch mm	No. of Flutes	Price Each	
			Hand Tap 773M	3 Pc. Set 773MSET
20.00	1.25	4	62.90	188.70
20.00	1.50	4	62.90	188.70
20.00	2.00	4	62.90	188.70
20.00	2.50	4	62.90	188.70
21.00	.75	4	68.75	206.24
21.00	1.00	4	68.75	206.24
21.00	1.50	4	68.75	206.24
21.00	2.00	4	68.75	206.24
21.00	2.50	4	68.75	206.24
22.00	1.00	4	65.48	196.43
22.00	1.50	4	65.48	196.43
22.00	2.00	4	65.48	196.43
22.00	2.50	4	65.48	196.43
23.00	1.00	4	78.58	235.74
23.00	1.50	4	78.58	235.74
23.00	2.00	4	78.58	235.74
23.00	2.50	4	78.58	235.74
23.00	3.00	4	78.58	235.74
24.00	1.00	4	84.05	252.15
24.00	1.25	4	84.05	252.15
24.00	1.50	4	84.05	252.15
24.00	2.00	4	84.05	252.15
24.00	3.00	4	84.05	252.15
25.00	1.00	4	147.56	442.67
25.00	1.50	4	147.56	442.67
25.00	2.00	4	147.56	442.67
25.00	3.00	4	147.56	442.67
26.00	1.50	4	147.56	442.67
26.00	2.00	4	147.56	442.67
27.00	1.00	4	108.45	325.35
27.00	1.50	4	108.45	325.35
27.00	2.00	4	108.45	325.35
27.00	2.50	4	108.45	325.35
27.00	3.00	4	102.51	325.35
28.00	1.50	4	177.47	532.41
28.00	2.00	4	177.47	532.41
28.00	3.00	4	177.47	532.41
30.00	1.00	4	177.47	532.41
30.00	1.50	4	177.47	532.41
30.00	2.00	4	177.47	532.41
30.00	2.50	4	177.47	532.41
30.00	3.00	4	177.47	532.41
30.00	3.50	4	177.47	532.41
32.00	1.50	4	189.32	567.95
32.00	2.00	4	177.47	532.41
32.00	3.50	4	189.32	567.95
33.00	1.50	4	241.73	725.19
33.00	2.00	4	189.32	567.95
33.00	3.00	4	189.32	567.95
33.00	3.50	4	189.32	567.95
34.00	1.50	4	241.73	725.19
34.00	2.00	4	241.73	725.19
35.00	1.00	4	241.73	725.19
35.00	1.50	4	241.73	725.19
36.00	1.50	4	241.73	725.19
36.00	2.00	4	241.73	725.19
36.00	3.00	4	241.73	725.19
36.00	4.00	4	241.73	725.19
38.00	1.00	4	319.25	957.74
38.00	1.50	4	319.25	957.74
38.00	4.00	4	319.25	957.74
39.00	1.50	4	319.25	957.74
39.00	2.00	6	319.25	957.74

Metric Hand Taps

High Speed Steel – Ground Thread



Please specify plug, bottoming or taper chamfer when ordering.

List No. **773M** – Hand Taps

List No. **773M SET** – 3 Piece Set (Plug, Bottoming, Taper)



Size mm	Pitch mm	No. of Flutes	Price Each		Size mm	Pitch mm	No. of Flutes	Price Each		Size mm	Pitch mm	No. of Flutes	Price Each	
			Hand Tap 773M	3 Pc. Set 773MSET				Hand Tap 773M	3 Pc. Set 773MSET				Hand Tap 773M	3 Pc. Set 773MSET
39.00	4.00	6	319.25	957.74	45.00	4.50	6	410.40	1231.20	56.00	3.00	6	593.01	1779.03
40.00	1.50	6	410.40	1231.20	48.00	1.50	6	436.50	1309.50	56.00	3.50	6	593.01	1779.03
40.00	2.00	6	410.40	1231.20	48.00	2.00	6	436.50	1309.50	56.00	4.00	6	593.01	1779.03
40.00	4.00	6	410.40	1231.20	48.00	3.00	6	436.50	1309.50	56.00	5.00	6	593.01	1779.03
42.00	1.50	6	410.40	1231.20	48.00	4.50	6	436.50	1309.50	56.00	5.50	6	593.01	1779.03
42.00	2.00	6	410.40	1231.20	48.00	5.00	6	436.50	1309.50	64.00	1.50	6	895.00	2685.00
42.00	3.00	6	410.40	1231.20	50.00	1.50	6	436.50	1309.50	64.00	3.00	6	895.00	2685.00
42.00	4.50	6	410.40	1231.20	50.00	3.00	6	436.50	1309.50	64.00	6.00	6	895.00	2685.00
45.00	1.50	6	410.40	1231.20	52.00	1.50	6	539.10	1617.30	68.00	6.00	6	900.00	2700.00
45.00	2.00	6	410.40	1231.20	52.00	2.50	6	539.10	1617.30	72.00	3.00	6	1100.00	3300.00
45.00	3.00	6	410.40	1231.20	52.00	3.00	6	539.10	1617.30	72.00	6.00	6	1100.00	3300.00
45.00	4.00	6	410.40	1231.20	52.00	5.00	6	539.10	1617.30					

List No. **773MU** – Hand Taps

List No. **773MUSET** – 3 Piece Set (Plug, Bottoming, Taper)



Size mm	Pitch mm	No. of Flutes	Price Each		Size mm	Pitch mm	No. of Flutes	Price Each	
			Hand Tap 773MU	3 Pc. Set 773MUSET				Hand Tap 773MU	3 Pc. Set 773MUSET
1.60	.35	2	22.23	66.69	10.00	1.50	4	20.38	61.14
1.80	.35	2	22.23	66.69	12.00	1.25	4	24.40	73.20
2.00	.40	3	22.23	66.69	12.00	1.75	4	24.40	73.20
2.20	.45	2	24.50	73.50	14.00	1.50	4	36.21	108.63
2.50	.45	3	13.76	41.28	14.00	2.00	4	36.21	108.63
3.00	.50	3	13.28	39.84	16.00	1.50	4	44.36	133.08
3.50	.60	3	9.52	28.56	16.00	2.00	4	44.36	133.08
4.00	.70	3	9.52	28.56	18.00	1.50	4	59.64	178.92
4.50	.75	4	9.52	28.56	18.00	2.50	4	59.64	178.92
5.00	.80	4	10.00	30.00	20.00	1.50	4	81.02	243.06
6.00	1.00	4	10.00	30.00	20.00	2.50	4	81.02	243.06
6.30	1.00	4	10.89	32.67	22.00	1.50	4	84.33	252.99
7.00	1.00	4	10.89	32.67	22.00	2.50	4	84.33	252.99
8.00	1.00	4	10.89	32.67	24.00	2.00	4	108.25	324.75
8.00	1.25	4	10.89	32.67	24.00	3.00	4	108.25	324.75
10.00	1.25	4	20.38	61.14					

Tap & Drill Metric Sets

High Speed Steel – Ground Thread



Metric Tap Sizes	Metric Drill Sizes	Pcs.	Description	Set No.	Price
3x0.5, 3.5x0.6, 4x0.7, 5x0.8, 6x1.0, 8x1.25, 10x1.5, 12x1.75	2.50, 2.90, 3.30, 4.20, 5.00, 6.75, 8.50, 10.25	16	U.S.A. in vinyl pouch	773S	139.00
2.5x.45, 3x.50, 3.5x.60, 4x.80, 5x80, 6x1.00, 8x1.25, 10x1.50, 12x1.75	2.05, 2.50, 2.90, 3.30, 4.20, 5.00, 6.70, 8.50, 10.20	18	U.S.A. TiN Coated in Huot Metal Case	773MXT	224.95
2x.4, 2.5x.45, 3x.5, 3.5x.6, 4x.7, 5x.8, 6x1, 7x1, 8x1.25, 10x1.5, 12x1.75	—	33	Import in wood stand (P, B,&T)	773MA	339.00



THREADING

COLORMAX™ High Performance Taps



THREADING

Material Specific Color Band Taps

High Performance Taps are designed and manufactured for successful threading in a variety of part materials for high and low volume applications. These materials include aluminum, stainless steels, nickel alloys, titanium alloys, mold steels, irons, brass, bronze and plastics. Special geometries, tap surface treatments and premium steels interact to offer the

highest level of performance.

Special tool geometry creates less torque during tapping which allows better removal of chips so the tool can run cooler. CNC necked design taps increase the flow of coolant to the cutting teeth and reduces surface contact between the tool and the workpiece for more efficient threading.

Blue Band - For General Ductile Materials

- For general machine tapping of mild carbon steels such as 1018, 1010, 1035, 1045, 1050 and 1065.
- Designed for high speed tapping applications.
- Developed to withstand high stress and high heat associated with high speed CNC production tapping.
- Up to 25HRc.

Yellow Band - For Tough Materials

- Superior performance hardened tool steels such as 4140, 4340, H13, D2 and a new variety of stainless steels.
- Designed for high speed tapping applications.
- Developed to withstand high stress and high heat associated with high speed CNC production tapping.
- Up to 35HRc.

Green Band - For All Types Of Aluminum

For all types of aluminum such as:

- Pure Aluminum,
- Aluminum Alloys
- Aluminum Alloy Castings
- Up to 38HRc



Red Band - For High Tensile Materials

- Powdered metal taps offer superior toughness, lubricity and are made of super hard powder high speed steel.
- Used in heat resistant materials, high strength stainless steel and titanium alloys as well as other high tensile steels and alloys including tool steel and nickel alloy.
- Up to 48 HRc.

Black Band - For Multi Purpose Use

For multiple uses in materials such as:

- Low Carbon Steel (>HRc16)
- Medium to High Carbon Steel (>HRc23)
- Free Machining Stainless Steel (>HRc23)
- and heat/corrosion stainless steel (>HRc24)
- Stainless Steel Castings (>38HRc)
- Aluminum, aluminum alloys, cast iron, copper and brass.

Blue Band Taps

3% Vanadium M35 Cobalt Steel

For Mild Steels up to 25HRc

For general machine tapping of mild carbon steels such as 1018, 1010, 1035, 1045, 1050 and 1065. Designed for high speed tapping applications. Developed to withstand high stress and high heat associated with high speed CNC production tapping.

- List No. **750PB** – Spiral Point Oxide
- List No. **750APB**– Spiral Point Bright
- List No. **750FB** – Spiral Flute Oxide
- List No. **750AFB**– Spiral Flute Bright



Size	Thread Pitch	No. of Flutes	Thread Limit	Price Each	
				750PB 750APB	750FB 750AFB
4	40	H2	2	7.07	13.91
6	32	H3	2	7.52	13.91
8	32	H3	3	7.52	17.25
10	24	H3	3	7.52	16.95
10	32	H3	3	7.52	16.95
1/4	20	H3	3	8.66	17.25
1/4	28	H3	3	8.66	17.25
5/16	18	H3	3	11.63	23.48
5/16	24	H3	3	11.63	23.48
3/8	16	H3	3	11.78	28.27
3/8	24	H3	3	11.78	28.27
7/16	14	H3	3	18.77	42.33
1/2	13	H3	3	21.20	46.21

Size	Thread Pitch	No. of Flutes	Thread Limit	Price Each	
				750PB 750APB	750FB 750AFB
1/2	20	H3	3	21.20	46.21
5/8	11	H4	4	21.96	47.58
5/8	18	H4	4	21.96	47.58
3/4	16	H4	4	30.93	67.26
3/4	18	H4	4	30.93	67.26
7/8	9	H4	4	66.65	109.36
7/8	14	H4	4	66.65	109.36
1	8	H4	4	90.36	145.46
1	12	H4	4	90.36	145.46
1-1/8	7	H4	4	130.95	176.93
1-1/4	7	H4	4	140.60	189.92
1-3/8	6	H4	4	192.96	254.83
1-1/2	6	H4	4	254.45	290.85

COLORMAX™ High Performance Taps



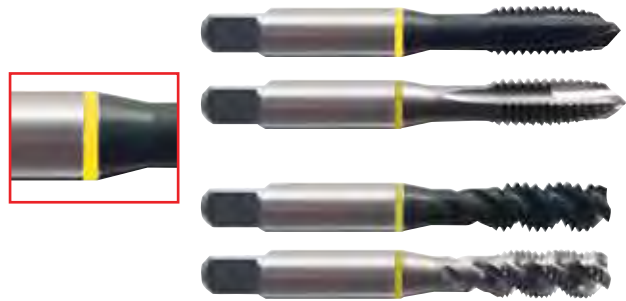
Yellow Band Taps

3% Vanadium M35 Cobalt Steel

For Tool, Stainless Steels up to 35HRc

For superior performance hardened tool steels such as 4140, 4340, H13, D2 and a new variety of stainless steels. Designed for high speed tapping applications. Developed to withstand high stress and high heat associated with high speed CNC production tapping.

- List No. **750PY** – Spiral Point Oxide
- List No. **750APY**– Spiral Point Bright
- List No. **750FY** – Spiral Flute Oxide
- List No. **750AFY**– Spiral Flute Bright



Size	Thread Pitch	No. of Flutes	Thread Limit	Price Each	
				750PY 750APY	750FY 750AFY
4	40	H2	2	10.26	15.81
6	32	H3	2	10.64	18.47
8	32	H3	3	10.64	18.47
10	24	H3	3	10.64	18.16
10	32	H3	3	10.64	18.16
1/4	20	H3	3	12.24	18.47
1/4	28	H3	3	12.24	18.47
5/16	18	H3	3	15.35	23.48
5/16	24	H3	3	15.35	23.48
3/8	16	H3	3	15.73	28.20
3/8	24	H3	3	15.73	28.20
7/16	14	H3	3	25.00	42.33
1/2	13	H3	3	28.20	46.21
1/2	20	H3	3	28.20	46.21
5/8	11	H4	4	29.11	50.62

Size	Thread Pitch	No. of Flutes	Thread Limit	Price Each	
				750PY 750APY	750FY 750AFY
5/8	18	H4	4	29.11	50.62
3/4	16	H4	4	41.04	79.19
7/8	9	H4	4	88.84	116.51
7/8	14	H4	4	88.84	116.51
1	8	H4	4	120.46	155.27
1	12	H4	4	120.46	155.27
1-1/8	7	H4	4	174.50	235.83
1-1/8	12	H4	4	174.50	235.83
1-1/4	7	H4	4	187.42	253.16
1-1/4	12	H4	4	187.42	253.16
1-3/8	6	H4	4	257.34	339.72
1-3/8	12	H4	4	257.34	339.72
1-1/2	6	H4	4	339.19	387.68
1-1/2	12	H4	4	339.19	387.68

Red Band Taps

3% Vanadium Powdered Metal HSSV Steel

For Titanium, Inconel, Tool Steels up to 48 HRc

Powdered metal taps offer superior toughness, lubricity and are made of super hard powder high speed steel. Used in: Heat resistant materials, high strength stainless steel and titanium alloys as well as other high tensile steels and alloys including tool steel and nickel alloy.

- List No. **750PR** – Spiral Point Oxide
- List No. **750APR**– Spiral Point Bright
- List No. **750FR** – Spiral Flute Oxide
- List No. **750AFR**– Spiral Flute Bright



Size	Thread Pitch	No. of Flutes	Thread Limit	Price Each	
				750PR 750APR	750FR 750AFR
4	40	H2	2	25.76	33.59
6	32	H3	2	21.66	30.48
8	32	H3	3	21.66	30.10
10	24	H3	3	21.66	30.10
10	32	H3	3	21.66	30.10
1/4	20	H3	3	25.61	33.59
1/4	28	H3	3	25.61	33.59
5/16	18	H3	3	28.58	36.78
5/16	24	H3	3	28.58	36.78

Size	Thread Pitch	No. of Flutes	Thread Limit	Price Each	
				750PR 750APR	750FR 750AFR
3/8	16	H3	3	32.60	42.48
3/8	24	H3	3	32.60	42.48
7/16	14	H3	3	46.36	59.43
1/2	13	H3	3	51.07	65.66
1/2	20	H3	3	51.07	65.66
5/8	11	H4	4	117.50	148.35
5/8	18	H4	4	117.50	148.35
3/4	16	H4	4	151.77	190.30
3/4	18	H4	4	151.77	190.30

COLORMAX™ High Performance Taps



THREADING

Material Specific Color Band Taps

High Performance Taps are designed and manufactured for successful threading in a variety of part materials for high and low volume applications. These materials include aluminum, stainless steels, nickel alloys, titanium alloys, mold steels, irons, brass, bronze and plastics. Special geometries, tap surface treatments and premium steels interact to offer the

highest level of performance.

Special tool geometry creates less torque during tapping which allows better removal of chips so the tool can run cooler. CNC necked design taps increase the flow of coolant to the cutting teeth and reduces surface contact between the tool and the workpiece for more efficient threading.

Black Band Taps

3% Vanadium M35 Cobalt Steel

For multiple uses in materials

such as Low Carbon Steel
Medium to High Carbon Steel
Free Machining Stainless Steel
and heat/corrosion stainless steel
Stainless Steel Castings

Aluminum, aluminum alloys, cast iron, copper and brass

List No. **750APK**– Spiral Point Bright

List No. **750AFK**– Spiral Flute Bright



Size	Thread Pitch	Thread Limit	Price Each	
			750APK	750AFK
4	40	H2	12.08	18.62
4	48	H2	12.08	18.62
5	40	H2	12.08	18.62
5	44	H2	12.08	18.62
6	32	H3	12.54	17.48
6	40	H3	11.86	17.48
8	32	H3	12.54	21.66
8	36	H3	12.54	21.66
10	24	H3	12.54	21.20
10	32	H3	12.54	21.20
12	24	H3	14.44	21.20
1/4	20	H4	14.44	21.66
1/4	28	H5	14.44	21.66
5/16	18	H4	18.01	27.51
5/16	24	H5	18.01	27.51
3/8	16	H5	18.47	33.14

Size	Thread Pitch	Thread Limit	Price Each	
			750APK	750AFK
3/8	24	H4	18.47	33.14
7/16	14	H5	29.41	49.63
7/16	20	H5	29.41	49.63
1/2	13	H5	33.36	58.14
1/2	20	H5	33.36	58.14
9/16	12	H5	32.38	53.12
9/16	18	H5	32.38	53.12
5/8	11	H5	34.12	59.43
5/8	18	H5	34.12	59.43
3/4	10	H5	48.18	93.02
3/4	16	H5	48.18	93.02
7/8	9	H6	104.35	136.80
7/8	14	H6	104.35	136.80
1	8	H6	141.44	182.17
1	12	H6	141.44	182.17

Green Band Taps

High Vanadium Steel

For all types of aluminum up to 38HRc

such as pure aluminum, aluminum alloys & castings

List No. **750APG**– Spiral Point Bright

List No. **750AFG**– Spiral Flute Bright



Size	Thread Pitch	Thread Limit	Price Each	
			750APG	750AFG
4	40	H2	14.90	22.88
6	32	H3	15.43	21.58
6	40	H3	14.59	21.58
8	32	H3	15.43	26.75
8	36	H3	15.43	26.75
10	24	H3	15.43	26.22
10	32	H3	15.43	26.22
12	24	H3	11.65	21.00
12	32	H3	11.65	21.00
1/4	20	H4	17.71	26.75
1/4	28	H5	17.71	26.75
5/16	18	H4	22.19	33.90
5/16	24	H5	22.19	33.90

Size	Thread Pitch	Thread Limit	Price Each	
			750APG	750AFG
3/8	16	H5	22.72	40.81
3/8	24	H4	22.72	40.81
7/16	14	H5	36.18	56.00
7/16	20	H5	36.18	56.00
1/2	13	H5	40.81	66.88
1/2	20	H5	40.81	66.88
5/8	11	H5	42.03	73.19
5/8	18	H5	42.03	73.19
3/4	10	H5	59.36	114.53
3/4	16	H5	59.36	114.53
7/8	9	H6	128.52	168.49
7/8	14	H6	128.52	168.49
1	8	H6	174.19	224.43

Metric Blue Band Taps

3% Vanadium M35 Cobalt Steel

For Mild Steels up to 25HRc

For general machine tapping of mild carbon steels such as 1018, 1010, 1035, 1045, 1050 and 1065. Designed for high speed tapping applications. Developed to withstand high stress and high heat associated with high speed CNC production tapping.

- List No. **750PB** – Spiral Point Oxide
- List No. **750APB**– Spiral Point Bright
- List No. **750FB** – Spiral Flute Oxide
- List No. **750AFB**– Spiral Flute Bright



Size	Thread Pitch	No. of Flutes	Thread Limit	Price Each	
				750PB 750APB	750FB 750AFB
M2	.40	D3	2	17.56	17.56
M2.5	.50	D3	2	16.00	21.00
M3	.50	D3	2	11.86	19.84
M3.5	.60	D4	2	8.66	19.84
M4	.70	D4	3	8.66	19.84
M4.5	.75	D4	3	8.66	19.84
M5	.80	D4	3	9.96	19.84
M6	1.00	D5	3	9.96	19.84
M7	1.00	D5	3	13.60	32.60
M8	1.00	D5	3	13.60	32.60
M8	1.25	D5	3	13.60	32.60
M10	1.25	D5	3	21.43	48.64
M10	1.50	D6	3	21.43	48.64
M12	1.25	D5	3	24.55	53.28
M12	1.75	D6	3	24.55	53.28

Size	Thread Pitch	No. of Flutes	Thread Limit	Price Each	
				750PB 750APB	750FB 750AFB
M14	1.50	D6	3	36.63	67.26
M15	2.00	D7	3	40.00	75.00
M16	1.50	D6	3	43.17	80.10
M16	2.00	D7	3	43.17	80.10
M18	1.50	D6	3	52.82	116.05
M18	2.50	D7	3	52.82	116.05
M20	1.50	D5	3	68.78	136.80
M20	2.50	D6	3	68.78	136.80
M22	1.50	D6	3	82.08	147.90
M22	2.50	D6	3	82.08	147.90
M24	1.50	D6	3	95.38	158.92
M24	3.00	D7	3	95.38	158.92
M27	1.50	D7	4	122.44	206.57
M27	3.00	D7	4	122.44	206.57
M30	3.50	D7	4	140.60	221.69

Metric Yellow Band Taps

3% Vanadium M35 Cobalt Steel

For Tool, Stainless Steels up to 35HRc

For superior performance hardened tool steels such as 4140, 4340, H13, D2 and a new variety of stainless steels. Designed for high speed tapping applications. Developed to withstand high stress and high heat associated with high speed CNC production tapping.

- List No. **750PY** – Spiral Point Oxide
- List No. **750APY**– Spiral Point Bright
- List No. **750FY** – Spiral Flute Oxide
- List No. **750AFY**– Spiral Flute Bright



Size	Thread Pitch	No. of Flutes	Thread Limit	Price Each	
				750PY 750APY	750FY 750AFY
M2	.40	D3	2	25.00	11.50
M3	.50	D3	2	16.95	21.05
M3.5	.60	D4	2	12.24	21.05
M4	.70	D4	3	12.24	21.05
M4.5	.75	D4	3	12.24	21.05
M5	.80	D4	3	14.21	21.05
M6	1.00	D4	3	14.21	21.05
M7	1.00	D5	3	18.09	32.60
M8	1.00	D5	3	18.09	32.60
M8	1.25	D5	3	18.09	32.60
M10	1.25	D5	3	28.73	48.64
M10	1.50	D6	3	28.73	48.64
M12	1.25	D5	3	32.53	53.28

Size	Thread Pitch	No. of Flutes	Thread Limit	Price Each	
				750PY 750APY	750FY 750AFY
M12	1.75	D6	3	32.53	53.28
M14	1.50	D6	3	48.64	67.26
M15	2.00	D7	3	43.00	75.00
M16	1.50	D6	3	57.38	85.50
M16	2.00	D7	3	57.38	85.50
M18	1.50	D6	3	70.45	123.80
M18	2.50	D7	3	70.45	123.80
M20	1.50	D5	3	91.66	145.77
M20	2.50	D6	3	91.66	145.77
M22	1.50	D6	3	109.44	157.78
M22	2.50	D6	3	109.44	157.78
M24	1.50	D6	3	127.00	169.63
M24	3.00	D7	3	127.00	169.63

COLORMAX™ High Performance Taps



Metric Red Band Taps

**3% Vanadium Powdered Metal HSSV Steel
For Titanium, Inconel, Tool Steels up to 48 HRc**

Used in: Heat resistant materials, high strength stainless steel and titanium alloys as well as other high tensile steels and alloys including tool steel and nickel alloy.

- List No. **750PR** – Spiral Point Oxide
- List No. **750APR**– Spiral Point Bright
- List No. **750FR** – Spiral Flute Oxide
- List No. **750AFR**– Spiral Flute Bright

Metric Black Band Taps

**3% Vanadium M35 Cobalt Steel
For multiple uses in materials**

such as Low Carbon Steel, Medium to High Carbon Steel, Free Machining Stainless Steel, and heat/corrosion stainless steel, Stainless Steel Castings, Aluminum, aluminum alloys, cast iron, copper and brass

- List No. **750APK**– Spiral Point Bright
- List No. **750AFK**– Spiral Flute Bright

Size	Thread Pitch	No. of Flutes	Thread Limit	Price Each	
				750APK	750AFK
M3	.50	D3	2	19.91	24.78
M3.5	.60	D4	2	14.44	24.78
M4	.70	D4	3	14.44	24.78
M5	.80	D4	3	16.72	24.78
M6	1.00	D5	3	16.72	24.78
M7	1.00	D5	3	21.20	38.23
M8	1.00	D5	3	21.20	38.23
M8	1.25	D5	3	21.20	38.23
M10	1.25	D5	3	33.74	57.15
M10	1.50	D6	3	33.74	57.15
M12	1.25	D5	3	38.23	62.47
M12	1.75	D6	3	38.23	62.47

Size	Thread Pitch	No. of Flutes	Thread Limit	Price Each	
				750PR 750APR	750FR 750AFR
M3	.50	D3	2	17.48	28.73
M4	.70	D4	3	13.22	29.11
M5	.80	D4	3	15.73	29.64
M6	1.00	D5	3	16.87	31.01
M8	1.25	D5	3	22.27	47.58
M10	1.25	D5	3	35.80	71.90
M10	1.50	D6	3	35.80	71.90
M12	1.25	D5	3	43.55	81.85



Size	Thread Pitch	No. of Flutes	Thread Limit	Price Each	
				750APK	750AFK
M14	1.50	D6	3	57.15	78.96
M15	2.00	D7	3	62.00	92.00
M16	1.50	D6	3	67.41	100.40
M16	2.00	D7	3	67.41	100.40
M18	1.50	D6	3	82.69	145.24
M18	2.50	D7	3	82.69	145.24
M20	1.50	D5	3	107.62	171.15
M20	2.50	D6	3	107.62	171.15
M22	1.50	D6	3	128.44	185.21
M22	2.50	D6	3	128.44	185.21
M24	1.50	D6	3	135.00	190.00
M24	3.00	D7	3	149.04	199.04

Spiral Fluted Taps

High Speed Steel



- List No. **776** – Fast Spiral, 52° Helix Angle
- List No. **776SL** – Slow Spiral, 30° Helix Angle

Size	Threads Per Inch	Thread Limits	No. of Flutes	Price Each	
				Fast Spiral 776	Slow Spiral 776SL
2	64	H2	2	17.64	—
3	48	H2	2	17.64	19.60
3	56	H2	2	17.64	19.60*
4	40	H2	2	14.58	14.58
4	48	H2	2	14.58	14.58*
5	40	H2	2	14.58	14.58
5	44	H2	2	14.58	14.58*
6	32	H1	2	14.09	—
6	32	H3	2	11.93	11.93
6	40	H2	2	14.09	14.76
8	32	H3	3	11.93	11.93
8	36	H2	3	14.09	14.10
10	32	H2	3	14.09	—
10	24	H3	3	11.93	11.93
10	32	H3	3	11.93	11.93
12	24	H3	3	12.92	12.90
12	28	H3	3	12.92	12.90
M3.5	.60	D4	3	17.91	—
M4	.50	D4	3	17.91	—
M4	.70	D4	3	17.91	—
M5	.80	D4	3	17.91	—
M6	1.00	D5	3	17.91	18.00
M8	1.25	D5	3	17.91	—
M10	1.50	D6	3	24.12	—
M12	1.25	D6	3	33.75	—
M12	1.50	D6	3	—	34.00
M12	1.75	D6	3	37.50	—
1/4	20	H3	3	12.56	13.06



MDX
SUPERIOR IMPORT

Please specify plug or bottoming when ordering.

Size	Threads Per Inch	Thread Limits	No. of Flutes	Price Each	
				Fast Spiral 776	Slow Spiral 776SL
1/4	20	H5	3	14.31	—
1/4	28	H1	3	14.31	—
1/4	28	H3	3	12.56	13.06
5/16	18	H3	3	15.98	18.42
5/16	18	H5	3	17.28	—
5/16	24	H3	3	15.98	19.14
3/8	16	H3	3	18.36	21.06
3/8	24	H3	3	18.36	19.36
7/16	14	H3	3	27.45	29.00
7/16	14	H5	3	29.00	—
7/16	20	H3	3	27.45	34.66
1/2	13	H3	3	33.08	34.66
1/2	13	H5	3	39.00	—
1/2	20	H3	3	33.08	34.66
1/2	20	H5	3	39.00	42.00
9/16	12	H3	4	41.16	—
9/16	12	H4	3	41.16	—
9/16	18	H3	3	41.16	—
9/16	18	H5	3	47.40	51.40
5/8	11	H3	3	49.23	51.00
5/8	18	H3	4	49.23	51.00
11/16	11	H3	4	49.23	—
11/16	16	H3	4	49.23	—
3/4	10	H3	4	58.72	68.64
3/4	16	H3	4	58.72	68.64*
7/8	14	H3	4	72.00	—
1"	8	H4	4	102.27*	—
1"	14	H4	4	102.27	—

* Available in Plug Chamfer Only

Cobalt Spiral Pointed Taps

Ground Thread



List No. **780C** – Plug Chamfer

Size	Threads Per Inch	No. of Flutes	Price Each
2	56	2	25.20
2	64	2	28.80
3	48	2	25.20
3	56	2	28.80
4	40	2	18.00
5	40	2	18.00
5	44	2	25.20
6	32	2	12.56
6	40	2	18.00
8	32	2	12.56
8	36	2	18.00
10	24	2	12.56
10	32	2	12.56
12	24	2	18.00

Size	Threads Per Inch	No. of Flutes	Price Each
12	28	2	18.00
1/4	20	3	16.65
1/4	28	3	18.00
5/16	18	3	18.45
5/16	24	3	19.80
3/8	16	3	21.06
3/8	24	3	23.40
7/16	14	3	29.88
7/16	20	3	32.40
1/2	13	3	34.20
1/2	20	3	38.70
5/8	11	3	76.46
3/4	10	3	117.00



Solid Carbide Taps

Micro Grain – Ground Thread

List No. **CT770** – Hand Tap, Plug Chamfer

List No. **CT780** – Spiral Pointed, Plug Chamfer



Size	Threads Per Inch	Thread Limits	Price Each	
			Hand Tap CT770	Spiral Pointed CT780
6	32	H3	154.00	162.42
8	32	H3	158.40	166.17
10	24	H3	161.92	168.85
10	32	H3	161.92	168.85
1/4	20	H3	183.32	207.43

Size	Threads Per Inch	Thread Limits	Price Each	
			Hand Tap CT770	Spiral Pointed CT780
5/16	18	H3	209.00	231.00
3/8	16	H3	260.70	301.40
7/16	14	H3	423.50	—
1/2	13	H3	462.00	—
5/8	11	H3	667.15	—



Chipless Thread Forming Taps

High Speed Steel – Ground Thread

List No. **783**

Chipless tapping is a cold forming process accomplished without cutting. Threads produced are stronger than conventional cut threads because of the swaging and work hardening effect. This process helps reduce tap breakage and permits faster tapping speeds.

Please specify plug or bottoming chamfer.



Size	Threads Per Inch	Thread Limits	Price Each
0*	80	H1	17.37
1*	64	H1	17.37
1*	72	H2	17.37
2*	56	H2	17.26
2*	64	H2	17.26
3*	48	H2	17.26
3*	56	H2	17.26
4	40	H3	15.59
4	48	H3	15.59
5	40	H3	15.59
5	44	H3	15.59
6	32	H3	12.82
6	40	H3	12.82
6	48*	H3	12.82
8	32	H3	12.82
8	36	H3	12.82
10	24	H4	12.82
10	32	H4	12.82
12	24	H4	13.59

Size	Threads Per Inch	Thread Limits	Price Each
12	28	H4	13.59
1/4	20	H4	13.59
1/4	28	H4	13.59
5/16	18	H5	15.15
5/16	24	H5	15.15
9mm	1.00mm	H5	17.26
3/8	16	H5	17.26
3/8	24	H5	17.26
7/16	14	H5	23.85
7/16	20	H5	23.85
1/2	13	H5	29.48
1/2	20	H5	29.48
9/16	12	H5	33.75
9/16	18	H5	33.75
5/8	11	H5	42.03
5/8	18	H5	42.03
3/4	10	H5	54.69
3/4	16	H5	54.69

* Available in bottoming only.

Oversize Hand Taps

High Speed Steel



Primarily used where a part will be plated or heat treated after tapping



THREADING

+ .0025 & +.0030

List No. 775R – Plug Chamfer

Size	Threads Per Inch	+ Size	No. of Flutes	Price Each
0	80	.0025	2	25.18
1	64	.0025	2	24.05
1	72	.0025	2	24.05
2	56	.0030	3	23.36
2	64	.0030	3	23.36
3	48	.0030	3	23.36

Size	Threads Per Inch	+ Size	No. of Flutes	Price Each
3	56	.0030	3	23.36
4	36	.0030	3	17.12
4	40	.0030	3	17.12
4	48	.0030	3	17.12
5	40	.0030	3	15.55
5	44	.0030	3	15.55

+ .0050

List No. 775 – Plug Chamfer

Size	Threads Per Inch	No. of Flutes	Price Each
2	56	3	8.10
4	40	3	8.10
5	40	3	8.10
6	32	3	7.52
6	40	3	7.52
8*	32	4	7.52
8	36	4	7.52
10*	24	4	7.52
10	32	4	7.52
12*	24	4	7.37
12	28	4	7.37
1/4*	20	4	7.37
1/4*	28	4	9.35
5/16	18	4	9.35

Size	Threads Per Inch	No. of Flutes	Price Each
5/16	24	4	9.35
3/8	16	4	10.70
3/8	24	4	10.70
7/16	14	4	16.10
7/16	20	4	16.10
1/2*	13	4	17.96
1/2	20	4	17.96
9/16	12	4	29.96
9/16	18	4	29.96
5/8	11	4	34.01
5/8	18	4	34.01
3/4	10	4	44.96
3/4	16	4	44.96
7/8	9	4	53.96

Size	Threads Per Inch	No. of Flutes	Price Each
7/8	14	4	53.96
1	8	4	62.44
1	12	4	62.44
1	14	4	62.44
1-1/8	12	4	67.43
1-1/4	7	4	71.03
1-1/4	12	4	71.03
4mm	.70	4	11.75
5mm	.80	4	11.75
6mm	1.00	4	11.75
8mm	1.25	4	13.64
10mm	1.50	4	22.54
12mm	1.75	4	27.60
16mm	2.00	4	48.76

*ALSO AVAILABLE BOTTOMING CHAMFER

+ .0100

List No. 775N – Plug Chamfer

Size	Threads Per Inch	No. of Flutes	Price Each
6	32	3	8.66
6	40	3	8.66
8	32	4	8.66
8	36	4	8.66
10	24	4	9.06
10	32	4	9.06
12	24	4	9.78
12	28	4	9.78
1/4	20	4	8.66
1/4	28	4	10.44
5/16	18	4	12.36
5/16	24	4	12.36

Size	Threads Per Inch	No. of Flutes	Price Each
3/8	16	4	14.83
3/8	24	4	14.83
7/16	14	4	19.28
7/16	20	4	19.28
1/2	13	4	22.18
1/2	20	4	22.18
9/16	12	4	34.80
9/16	18	4	34.80
5/8	18	4	41.88
3/4	10	4	57.96
3/4	16	4	57.96
7/8	9	4	64.45

Size	Threads Per Inch	No. of Flutes	Price Each
7/8	14	4	64.45
1	8	4	85.89
1	12	4	86.89
1	14	4	86.89
1-1/8	7	4	101.14
1-1/8	12	4	101.14
1-1/4	7	4	130.96
1-1/4	12	4	130.96
1-3/8	6	4	158.62
1-3/8	12	6	158.62
1-1/2	6	4	184.26
1-1/2	12	6	184.26

+ .0150

List No. 775W – Plug Chamfer

Size	Threads Per Inch	No. of Flutes	Price Each
1-1/8	7	4	111.23
1-1/8	12	4	111.23
1-1/4	7	4	144.00

Size	Threads Per Inch	No. of Flutes	Price Each
1-1/4	12	6	144.00
1-3/8	6	4	174.50
1-3/8	12	6	174.50

Size	Threads Per Inch	No. of Flutes	Price Each
1-1/2	6	4	204.95
1-1/2	12	6	204.95

+ .0050 Sets

Sizes	Description	Pcs.	Set No.	Price
NC 6-32 to 1/2-13 & 10-32 Excludes 7/16	Hand Tap Set	8	775S	82.98
NC 6-32 to 1/2-13 & 10-32 Excludes 7/16	Combination Hand & Spiral	16	785A	171.98

All sets are supplied in wood block



Spiral Pointed Oversize Taps

High Speed Steel



MDX
SUPERIOR IMPORT

Primarily used where a part will be plated or heat treated after tapping



+0.0025 & +0.0030

List No. 784 – Plug Chamfer

Size	Threads Per Inch	+ Size	No. of Flutes	Price Each
0	80	.0025	2	21.44
1	64	.0025	2	20.59
1	72	.0025	2	20.59
2	56	.0030	2	19.60

Size	Threads Per Inch	+ Size	No. of Flutes	Price Each
2	64	.0030	2	19.60
3	48	.0030	2	16.76
3	56	.0030	2	16.76
4	36	.0030	2	14.54

Size	Threads Per Inch	+ Size	No. of Flutes	Price Each
4	40	.0030	2	14.54
4	48	.0030	2	14.54
5	40	.0030	2	13.12
5	44	.0030	2	13.12

+0.0050

List No. 785 – Plug Chamfer

Size	Threads Per Inch	No. of Flutes	Price Each
2	56	2	10.16
4	40	2	10.16
4	48	2	10.16
5	40	2	10.16
6	32	2	9.89
6	40	2	9.89
8*	32	2	9.89
8	36	2	9.89
10*	24	2	9.89
10	32	2	9.89
12*	24	2	9.05

Size	Threads Per Inch	No. of Flutes	Price Each
12	28	2	9.05
1/4*	20	2	8.53
1/4*	28	2	8.53
5/16	18	2	9.80
5/16	24	2	9.80
5/16	32	2	12.80
3/8	16	3	11.14
3/8	24	3	11.14
7/16	14	3	17.98
7/16	20	3	17.98
1/2*	13	3	19.97

Size	Threads Per Inch	No. of Flutes	Price Each
1/2	20	3	19.97
9/16	12	3	30.94
9/16	18	3	30.94
5/8	11	3	34.10
5/8	18	3	34.10
3/4	10	3	44.96
3/4	16	3	44.96
7/8	9	3	56.23
7/8	14	3	56.23
1	8	3	62.99
1	12	3	62.99
1	14	3	62.99

*AVAILABLE BOTTOMING AT SAME PRICE AS PLUG.

+0.0100

List No. 786 – Plug Chamfer

Size	Threads Per Inch	No. of Flutes	Price Each
6	32	2	11.59
6	40	2	11.59
8	32	2	11.59
8	36	2	11.59
10	24	2	10.63
10	32	2	10.63

Size	Threads Per Inch	No. of Flutes	Price Each
12	24	2	10.75
12	28	2	10.75
1/4	20	2	10.51
1/4	28	2	10.51
5/16	18	2	12.36
5/16	24	2	12.36

Size	Threads Per Inch	No. of Flutes	Price Each
3/8	16	2	14.83
3/8	24	2	14.83
7/16	14	2	24.10
7/16	20	2	24.10
1/2	13	2	27.72
1/2	20	2	27.72

+0.0050 Sets

Sizes	Description	Pcs.	Set No.	Price
NC 6-32 to 1/2-13 & 10-32 Excludes 7/16	Spiral Point Set	8	785S	96.52

All sets are supplied in wood block



Screw Thread Insert Taps

High Speed Steel

STI Taps are oversized to accommodate a helical coil wire screw thread insert, to accept a screw thread of nominal size and pitch.

List No. 770STI – Hand Tap, Plug or Bottoming

List No. 780STI – Spiral Pointed Tap, Plug Chamfer

List No. 766STI – Fast Spiral Taps, Bottoming



Size	T.P.I.	Hand Taps 770STI		Spiral Pointed 780STI		Fast Spiral 776STI	
		No. of Flutes	Price Each	No. of Flutes	Price Each	No. of Flutes	Price Each
2	56	3	19.70	—	—	2	26.00
3	56	3	19.70	—	—	—	—
4	40	3	19.70	2	20.88	2	26.00
4	48	3	19.70	—	—	—	—
5	40	3	19.70	—	—	2	26.00
6	32	3	19.70	2	20.88	2	26.00
8	32	3	19.70	2	20.88	3	26.00
8	36	3	19.70	—	—	—	—
10	24	3	21.14	2	22.41	3	26.00
10	32	3	21.14	2	22.41	3	26.00
12	24	3	21.77	—	—	—	—
1/4	20	3	21.77	2	23.08	3	28.00
1/4	28	3	21.77	2	23.08	3	28.00
5/16	18	4	23.66	3	25.08	3	32.50
5/16	24	4	23.66	3	25.08	3	32.50

Size	T.P.I.	Hand Taps 770STI		Spiral Pointed 780STI		Fast Spiral 776STI	
		No. of Flutes	Price Each	No. of Flutes	Price Each	No. of Flutes	Price Each
3/8	16	4	29.23	3	30.99	3	45.00
3/8	24	4	29.23	3	30.99	3	45.00
7/16	14	4	36.07	3	38.23	3	49.75
7/16	20	4	36.07	3	38.23	3	49.75
1/2	13	4	40.76	3	43.21	3	64.80
1/2	20	4	40.76	3	43.21	3	64.80
9/16	12	4	44.96	—	—	—	—
5/8	11	4	55.00	—	—	3	88.00
3/4	10	4	79.00	—	—	—	—
7/8	9	4	119.00	—	—	—	—
7/8	14	4	119.00	—	—	—	—
1	8	4	149.00	—	—	—	—
1	12	4	149.00	—	—	—	—
1-1/8	7	4	158.00	—	—	—	—
1-1/4	12	4	165.00	—	—	—	—

Please specify plug or bottoming chamfer when ordering.

THREADING

Pulley Taps

High Speed Steel – Ground Thread



List No. **795** – Hand Taps, Plug Chamfer

Used for extended reach tapping applications.
Shank diameter same as nominal diameter



Size	Threads Per Inch	No. of Flutes	Price Each			
			6" OAL	8" OAL	10" OAL	12" OAL
2	64	4	32.00	—	—	—
3	48	4	32.00	—	—	—
3	56	4	32.00	—	—	—
4	36	4	32.00	—	—	—
4	40	4	32.00	—	—	—
4	48	4	32.00	—	—	—
5	40	4	32.00	—	—	—
5	44	4	32.00	—	—	—
5	48	4	39.50	—	—	—
6	32	4	30.02	39.38	—	—
6	40	4	30.02	—	—	—
8	32	4	30.02	39.38	—	—
8	36	4	30.02	—	—	—
10	24	4	30.02	39.38	—	—
10	32	4	30.02	39.38	—	—
12	24	4	34.20	—	—	—
12	28	4	34.20	—	—	—
1/4	20	4	34.20	41.76	52.20	70.80
1/4	28	4	*34.20	41.76	52.20	70.80
5/16	18	4	*35.87	42.93	55.80	70.80
5/16	24	4	*35.87	42.93	55.80	70.80
3/8	16	4	*40.37	47.97	60.08	80.96
3/8	24	4	40.37	47.97	60.08	80.96
3/8	32	4	44.85	—	—	—

Size	Threads Per Inch	No. of Flutes	Price Each			
			6" OAL	8" OAL	10" OAL	12" OAL
7/16	14	4	*42.93	56.25	66.15	82.44
7/16	20	4	42.93	56.25	66.15	82.44
1/2	13	4	43.29	56.25	68.40	85.00
1/2	20	4	43.29	56.25	68.40	85.00
9/16	12	4	50.20	65.00	83.00	98.00
9/16	18	4	50.20	65.00	83.00	98.00
5/8	11	4	57.87	73.80	92.70	108.00
5/8	18	4	57.87	73.80	92.70	108.00
5/8	24	4	—	110.00	—	—
11/16	16	4	78.75	—	—	—
3/4	10	4	78.75	96.30	109.22	120.60
3/4	16	4	78.75	96.30	109.22	120.60
7/8	9	4	130.00	145.00	166.85	179.10
7/8	14	4	130.00	145.00	166.85	179.10
1	8	4	—	182.95	195.80	255.06
1	14	4	—	182.95	216.00	288.00
1-1/8	7	4	195.80	—	—	290.00
1-1/8	12	4	—	—	259.00	290.00
1-1/4	7	4	—	—	—	322.00
1-1/4	12	6	—	—	—	322.00
1-3/8	6	4	—	—	324.00	365.00
1-3/8	12	6	—	265.50	—	368.00
1-1/2	6	4	—	—	—	375.00
1-1/2	12	6	—	—	—	381.00

* Bottoming also available

Metric Sizes

List No. **795M** – 6" Overall Length, Plug Chamfer

Size	Threads Per Inch	Price Each
4.00	0.70	37.80
5.00	0.80	37.80
6.00	1.00	40.50
7.00	1.00	42.30

Size	Threads Per Inch	Price Each
8.00	1.25	44.10
10.00	1.50	49.50
12.00	1.75	55.80

Extension Pulley Taps

High Speed Steel – Ground Thread



Similar to a pulley taps but with a undercut shank diameter for deeper tapping applications.



List No. **795EX** – Hand Tap

List No. **796EX** – Spiral Point

Size	Threads Per Inch	Overall Length	Price Each	
			Hand Tap 795EX	Spiral Pointed 796EX
4	40	4	—	31.02
5	40	4	—	31.02
6	32	4	—	31.02
6	32	6	—	34.22
6	40	4	—	31.94
8	32	4	—	31.94
8	32	6	—	34.22
8	36	4	—	31.94
10	24	4	—	31.94
10	24	6	33.30	34.22
10	32	4	—	31.94
10	32	6	33.30	34.22
12	24	6	—	36.72

Size	Threads Per Inch	Overall Length	Price Each	
			Hand Tap 795EX	Spiral Pointed 796EX
1/4	20	6	32.54	36.72
1/4	28	6	32.54	36.72
5/16	18	6	33.84	38.16
5/16	24	6	—	38.16
3/8	16	6	38.25	43.09
3/8	24	4	—	39.00
3/8	24	6	—	43.09
7/16	14	6	—	46.17
7/16	20	6	—	46.17
1/2	13	6	40.50	46.17
1/2	13	12	—	63.56
1/2	20	5	—	41.20
1/2	20	6	—	46.17

Spiral Pointed Pulley Taps

High Speed Steel – Ground Thread



List No. 796 – Spiral Pointed, Plug Chamfer

Shank diameter same as nominal diameter

Size	Threads Per Inch	No. of Flutes	Overall Length	Price Each
2	56	2	6	28.97
2	64	2	6	28.97
3	48	2	4	26.50
3	48	2	6	28.97
3	56	2	6	28.97
4	36	2	6	28.97
4	40	2	4	26.50
4	40	2	6	30.00
4	48	2	6	30.00
5	40	2	4	26.50
5	40	2	6	30.00
5	44	2	6	30.00
5	48	2	6	38.00
6	32	2	4	26.50
6	32	2	6	34.22
6	32	2	8	41.40
6	40	2	6	34.22
8	32	2	4	26.50
8	32	2	6	34.22
8	32	2	8	41.40
8	36	2	6	34.22
10	24	2	4	26.50
10	24	2	6	34.22
10	32	2	4	26.50
10	32	2	6	34.22
12	28	2	6	34.22
1/4	20	2	6	36.72
1/4	20	2	8	46.50
1/4	20	2	12	51.45
1/4	28	2	6	36.72
1/4	28	2	8	46.50
1/4	28	2	12	51.45
5/16	18	2	6	38.16
5/16	18	2	8	49.85

Size	Threads Per Inch	No. of Flutes	Overall Length	Price Each
5/16	18	2	12	53.90
5/16	24	2	4	28.97
5/16	24	2	6	46.00
5/16	24	2	8	59.00
5/16	24	2	12	53.90
3/8	16	3	4	37.50
3/8	16	3	6	43.09
3/8	16	2	8	55.75
3/8	16	3	12	61.25
3/8	24	3	6	43.09
3/8	24	2	8	55.75
3/8	24	3	12	61.25
7/16	14	3	6	45.14
7/16	14	2	8	59.19
7/16	14	3	12	68.59
7/16	20	3	6	45.14
7/16	20	2	8	59.19
7/16	20	3	12	68.59
1/2	13	3	6	46.17
1/2	13	3	8	62.29
1/2	13	3	10	67.45
1/2	13	3	12	72.69
1/2	20	3	6	46.17
1/2	20	2	8	62.29
1/2	20	3	12	72.69
5/8	11	3	6	60.53
5/8	11	3	12	120.00
5/8	18	3	6	60.53
3/4	10	3	6	88.65
3/4	10	3	10	112.50
3/4	10	3	12	130.00
3/4	16	3	6	88.65
7/8	9	3	6	138.00
1	14	3	8	140.00

THREADING

Nut Taps

High Speed Steel – Ground Thread



List No. 798 – Four Flute

Primarily used for threading nuts. Shank of tap is smaller than I.D. of nut allowing nuts to accumulate on the shank. Also used for long reach.



Size	Threads Per Inch	Overall Length	Price Each
1/4	20	5	64.67
1/4	28	5	64.67
5/16	18	5-1/2	73.91
5/16	24	5-1/2	73.91
3/8	16	6	90.08
3/8	24	6	90.08
7/16	14	6-1/2	102.23
7/16	20	6-1/2	102.23
1/2	13	7	110.87
1/2	20	7	110.87
9/16	12	7-3/4	113.52
9/16	18	7-3/4	113.52

Size	Threads Per Inch	Overall Length	Price Each
5/8	11	8-1/4	117.48
5/8	18	8-1/4	117.48
11/16	11	8-1/4	122.10
11/16	18	8-1/4	122.10
3/4	10	9	126.72
3/4	16	9	126.72
7/8	9	10	158.40
7/8	14	10	158.40
1	8	11	194.70
1	12	11	194.70
1	14	11	194.70
1-1/8	7	12	214.17

Metric Sizes

Size	Pitch mm	Overall Length mm	Price Each
M3.5	0.6	80	78.00
M6	1	110	82.00
M10	1.50	300	120.00
M12	1.75	360	150.25
M18	2.5	220	175.00
M20	2.5	250	190.00

Size	Pitch mm	Overall Length mm	Price Each
M22	2.5	280	199.00
M24	3	280	230.00
M30	3.5	280	270.00
M42	4.5	450	574.56
M48	5	500	667.17

Special Thread Hand Taps

High Speed Steel – Ground Thread



List No. 779

List No. 779SET – (Plug, Bottoming, Taper)

Please specify plug, bottoming, or taper chamfer when ordering.

THREADING

Size	Threads Per Inch	Price Each	
		779	779SET
00	90	15.27	45.81
00	96	15.27	45.81
0	72	10.34	31.02
0	76	10.34	31.02
0	90	10.34	31.02
0	96	10.34	31.02
1	48	10.34	31.02
1	56	10.34	31.02
1	80	10.34	31.02
2	48	10.34	31.02
2	60	10.34	31.02
2	72	10.34	31.02
2	80	10.34	31.02
3	64	10.34	31.02
3	72	10.34	31.02
3	80	10.34	31.02
4	32	10.34	31.02
4	44	10.34	31.02
4	56	10.34	31.02
4	60	10.34	31.02
4	64	10.34	31.02
4	80	10.34	31.02
5	32	10.84	32.52
5	36	10.84	32.52
5	48	10.84	32.52
5	56	10.84	32.52
5	60	10.84	32.52
5	64	10.84	32.52
5	80	10.84	32.52
6	36	9.35	28.05
6	38	9.35	28.05
6	48	9.35	28.05
6	56	9.35	28.05
6	60	9.35	28.05
6	64	9.35	28.05
6	80	9.35	28.05
7	32	10.84	32.52
7	36	10.84	32.52
7	40	10.84	32.52
7	48	10.84	32.52
8	24	9.35	28.05
8	30	9.35	28.05
8	40	9.35	28.05
8	48	9.35	28.05
8	56	9.35	28.05
8	60	9.35	28.05
8	64	9.35	28.05
8	80	9.35	28.05
9	24	10.84	32.52
9	32	10.84	32.52
10	28	9.35	28.05
10	30	9.35	28.05
10	36	9.35	28.05
10	40	9.35	28.05
10	48	9.35	28.05
10	56	9.35	28.05
10	60	9.35	28.05
10	64	9.35	28.05
10	72	9.35	28.05
10	80	9.35	28.05
12	30	9.35	28.05
12	32	9.35	28.05
12	36	9.35	28.05
12	40	9.35	28.05
12	48	9.35	28.05
12	56	9.35	28.05
12	64	9.35	28.05

Size	Threads Per Inch	Price Each	
		779	779SET
14	20	10.84	32.52
14	24	10.84	32.52
14	28	10.84	32.52
1/16	72	10.34	31.02
3/32	48	10.34	31.02
3/32	50	10.34	31.02
1/8	40	10.34	31.02
1/8	44	10.34	31.02
1/8	48	10.34	31.02
5/32	32	9.35	28.05
5/32	36	9.35	28.05
5/32	40	9.35	28.05
3/16	16	9.35	28.05
3/16	18	9.35	28.05
3/16	24	9.35	28.05
3/16	32	9.35	28.05
7/32	24	9.35	28.05
7/32	28	9.35	28.05
7/32	32	9.35	28.05
7/32	40	9.35	28.05
1/4	16	9.35	28.05
1/4	18	9.35	28.05
1/4	22	9.35	28.05
1/4	24	9.35	28.05
1/4	26	9.35	28.05
1/4	27	9.35	28.05
1/4	30	9.35	28.05
1/4	32	9.35	28.05
1/4	36	9.35	28.05
1/4	38	9.35	28.05
1/4	40	9.35	28.05
1/4	42	9.35	28.05
1/4	48	9.35	28.05
1/4	56	9.35	28.05
1/4	60	9.35	28.05
1/4	64	9.35	28.05
1/4	72	9.35	28.05
1/4	80	9.35	28.05
9/32	20	9.35	28.05
9/32	24	9.32	28.05
9/32	32	9.35	28.05
9/32	40	9.35	28.05
5/16	13	9.35	28.05
5/16	16	9.35	28.05
5/16	20	9.35	28.05
5/16	22	9.35	28.05
5/16	26	9.35	28.05
5/16	27	9.35	28.05
5/16	28	9.35	28.05
5/16	30	9.35	28.05
5/16	32	9.35	28.05
5/16	36	9.35	28.05
5/16	40	9.35	28.05
5/16	48	9.35	28.05
5/16	56	9.35	28.05
5/16	60	9.35	28.05
5/16	64	9.35	28.05
5/16	72	9.35	28.05
5/16	80	9.35	28.05
11/32	20	9.95	29.85
11/32	32	9.95	29.85
3/8	13	9.52	28.56
3/8	14	9.52	28.56
3/8	18	9.52	28.56
3/8	20	9.52	28.56
3/8	22	9.52	28.56
3/8	26	9.52	28.56

Size	Threads Per Inch	Price Each	
		779	779SET
3/8	27	9.52	28.56
3/8	28	9.52	28.56
3/8	30	9.52	28.56
3/8	32	9.52	28.56
3/8	36	9.52	28.56
3/8	40	9.52	28.56
3/8	48	9.52	28.56
3/8	56	9.52	28.56
3/8	60	9.52	28.56
3/8	64	9.52	28.56
3/8	80	9.52	28.56
13/32	20	10.52	31.56
13/32	24	10.52	31.56
13/32	32	10.52	31.56
13/32	36	10.52	31.56
13/32	40	10.52	31.56
7/16	12	10.52	31.56
7/16	16	10.52	31.56
7/16	18	10.52	31.56
7/16	24	10.52	31.56
7/16	26	10.52	31.56
7/16	27	10.52	31.56
7/16	28	10.52	31.56
7/16	32	10.52	31.56
7/16	36	10.52	31.56
7/16	40	10.52	31.56
7/16	48	10.52	31.56
7/16	56	10.52	31.56
7/16	64	10.52	31.56
15/32	24	11.99	35.97
15/32	32	11.99	35.97
15/32	36	11.99	35.97
15/32	40	11.99	35.97
1/2	10	11.99	35.97
1/2	12	11.99	35.97
1/2	14	11.99	35.97
1/2	16	11.99	35.97
1/2	18	11.99	35.97
1/2	22	11.99	35.97
1/2	24	11.99	35.97
1/2	26	11.99	35.97
1/2	27	11.99	35.97
1/2	28	11.99	35.97
1/2	30	11.99	35.97
1/2	32	11.99	35.97
1/2	36	11.99	35.97
1/2	37	11.99	35.97
1/2	40	11.99	35.97
1/2	48	11.99	35.97
1/2	50	11.99	35.97
1/2	56	11.99	35.97
1/2	60	11.99	35.97
1/2	64	11.99	35.97
1/2	80	11.99	35.97
17/32	32	14.85	44.55
9/16	10	14.85	44.55
9/16	13	14.85	44.55
9/16	14	14.85	44.55
9/16	16	14.85	44.55
9/16	20	14.85	44.55
9/16	24	14.85	44.55
9/16	27	14.85	44.55
9/16	28	14.85	44.55
9/16	30	14.85	44.55
9/16	32	14.85	44.55
9/16	36	14.85	44.55
9/16	40	14.85	44.55

Special Thread Hand Taps

High Speed Steel – Ground Thread



List No. 779

List No. 779SET – (Plug, Bottoming, Taper)

Please specify plug, bottoming, or taper chamfer when ordering.



Size	Threads Per Inch	Price Each	
		779	779SET
9/16	48	14.85	44.55
9/16	74	14.85	44.55
5/8	10	18.39	55.17
5/8	12	18.39	55.17
5/8	14	18.39	55.17
5/8	16	18.39	55.17
5/8	20	18.39	55.17
5/8	24	18.39	55.17
5/8	26	18.39	55.17
5/8	27	18.39	55.17
5/8	28	18.39	55.17
5/8	30	18.39	55.17
5/8	32	18.39	55.17
5/8	36	18.39	55.17
5/8	40	18.39	55.17
5/8	48	18.39	55.17
5/8	56	18.39	55.17
5/8	64	18.39	55.17
11/16	12	21.18	63.54
11/16	14	21.18	63.54
11/16	18	21.18	63.54
11/16	20	21.18	63.54
11/16	24	21.18	63.54
11/16	27	21.18	63.54
11/16	28	21.18	63.54
11/16	30	21.18	63.54
11/16	32	21.18	63.54
11/16	36	21.18	63.54
11/16	40	21.18	63.54
11/16	48	21.18	63.54
3/4	8	22.75	68.25
3/4	11	22.75	68.25
3/4	11-1/2	22.75	68.25
3/4	12	22.75	68.25
3/4	14	22.75	68.25
3/4	18	22.75	68.25
3/4	20	22.75	68.25
3/4	22	22.75	68.25
3/4	24	22.75	68.25
3/4	26	22.75	68.25
3/4	27	22.75	68.25
3/4	28	22.75	68.25
3/4	30	22.75	68.25
3/4	32	22.75	68.25
3/4	36	22.75	68.25
3/4	40	22.75	68.25
3/4	48	22.75	68.25
3/4	56	22.75	68.25
13/16	10	27.71	83.13
13/16	12	27.71	83.13
13/16	14	27.71	83.13
13/16	16	27.71	83.13
13/16	18	27.71	83.13
13/16	20	27.71	83.13
13/16	24	27.71	83.13
13/16	26	27.71	83.13
13/16	27	27.71	83.13
13/16	28	27.71	83.13
13/16	32	27.71	83.13
13/16	36	27.71	83.13
13/16	40	27.71	83.13
13/16	48	27.71	83.13
7/8	8	29.28	87.84

Size	Threads Per Inch	Price Each	
		779	779SET
7/8	10	29.28	87.84
7/8	11	29.28	87.84
7/8	12	29.28	87.84
7/8	16	29.28	87.84
7/8	18	29.28	87.84
7/8	20	29.28	87.84
7/8	24	29.28	87.84
7/8	26	29.28	87.84
7/8	27	29.28	87.84
7/8	28	29.28	87.84
7/8	30	29.28	87.84
7/8	32	29.28	87.84
7/8	36	29.28	87.84
7/8	40	29.28	87.84
7/8	48	29.28	87.84
15/16	9	34.80	104.40
15/16	10	34.80	104.40
15/16	12	34.80	104.40
15/16	14	34.80	104.40
15/16	16	34.80	104.40
15/16	18	34.80	104.40
15/16	20	34.80	104.40
15/16	24	34.80	104.40
15/16	27	34.80	104.40
15/16	28	34.80	104.40
15/16	32	34.80	104.40
15/16	40	34.80	104.40
1	10	39.69	119.07
1	16	39.69	119.07
1	18	39.69	119.07
1	20	39.69	119.07
1	24	39.69	119.07
1	26	39.69	119.07
1	27	39.69	119.07
1	28	39.69	119.07
1	30	39.69	119.07
1	32	39.69	119.07
1	36	39.69	119.07
1	40	39.69	119.07
1	48	39.69	119.07
1	50	39.69	119.07
1	56	39.69	119.07
1	64	39.69	119.07
1-1/16	8	57.48	---
1-1/16	10	57.48	---
1-1/16	12	57.48	---
1-1/16	14	57.48	---
1-1/16	16	57.48	---
1-1/16	18	57.48	---
1-1/16	20	57.48	---
1-1/16	24	57.48	---
1-1/16	27	57.48	---
1-1/16	28	57.48	---
1-1/16	32	57.48	---
1-1/16	40	57.48	---
1-1/8	8	60.10	---
1-1/8	10	60.10	---
1-1/8	14	60.10	---
1-1/8	16	60.10	---
1-1/8	18	60.10	---
1-1/8	20	60.10	---
1-1/8	24	60.10	---
1-1/8	27	60.10	---
1-1/8	28	60.10	---
1-1/8	32	60.10	---

Size	Threads Per Inch	Price Each
		779
1-1/8	40	60.10
1-5/32	14	75.50
1-5/32	32	75.50
1-3/16	8	75.50
1-3/16	10	75.50
1-3/16	12	75.50
1-3/16	14	75.50
1-3/16	16	75.50
1-3/16	18	75.50
1-3/16	20	75.50
1-3/16	24	75.50
1-3/16	27	75.50
1-3/16	28	75.50
1-3/16	32	75.50
1-3/16	40	75.50
1-15/64	24	77.31
1-1/4	8	75.50
1-1/4	10	75.50
1-1/4	14	75.50
1-1/4	16	75.50
1-1/4	18	75.50
1-1/4	20	75.50
1-1/4	24	75.50
1-1/4	26	75.50
1-1/4	27	75.50
1-1/4	28	75.50
1-1/4	32	75.50
1-1/4	40	75.50
1-5/16	6	97.65
1-5/16	8	97.65
1-5/16	11	97.65
1-5/16	12	97.65
1-5/16	14	97.65
1-5/16	16	97.65
1-5/16	18	97.65
1-5/16	20	97.65
1-5/16	24	97.65
1-5/16	27	97.65
1-5/16	28	97.65
1-11/32	14	100.57
1-3/8	5	97.65
1-3/8	8	97.65
1-3/8	10	97.65
1-3/8	14	97.65
1-3/8	16	97.65
1-3/8	18	97.65
1-3/8	20	97.65
1-3/8	24	97.65
1-3/8	27	97.65
1-3/8	28	97.65
1-13/32	14	101.55
1-7/16	6	128.26
1-7/16	8	128.26
1-7/16	12	128.26
1-7/16	14	128.26
1-7/16	16	128.26
1-7/16	18	128.26
1-7/16	20	128.26
1-7/16	24	128.26
1-7/16	27	128.26
1-15/32	24	129.71
1-1/2	8	129.71
1-1/2	10	129.71
1-1/2	14	129.71

THREADING

Special Thread Hand Taps

High Speed Steel – Ground Thread



List No. 779

Please specify plug, bottoming, or taper chamfer when ordering.

THREADING

Size	Threads Per Inch	Price Each
		779
1-1/2	16	129.71
1-1/2	18	129.71
1-1/2	20	129.71
1-1/2	24	129.71
1-1/2	28	129.71
1-1/2	32	129.71
1-1/2	40	129.71
1-9/16	6	139.15
1-9/16	8	139.15
1-9/16	10	139.15
1-9/16	12	139.15
1-9/16	14	139.15
1-9/16	16	139.15
1-9/16	18	139.15
1-9/16	20	139.15
1-9/16	24	139.15
1-9/16	32	139.15
1-5/8	5-1/2	142.95
1-5/8	6	142.95
1-5/8	8	142.95
1-5/8	10	142.95
1-5/8	12	142.95
1-5/8	14	142.95
1-5/8	16	142.95
1-5/8	18	142.95
1-5/8	20	142.95
1-5/8	24	142.95
1-5/8	28	142.95
1-5/8	32	142.95
1-21/32	14	147.24
1-11/16	8	163.35
1-11/16	12	163.35
1-11/16	16	163.35
1-11/16	18	163.35
1-11/16	20	163.35
1-11/16	24	163.35
1-11/16	27	163.35
1-11/16	32	163.35
1-3/4	5	181.35
1-3/4	6	181.35
1-3/4	8	181.35
1-3/4	10	181.35
1-3/4	12	181.35
1-3/4	14	181.35
1-3/4	16	181.35
1-3/4	18	181.35
1-3/4	20	181.35
1-3/4	24	181.35
1-3/4	26	181.35
1-3/4	28	181.35
1-3/4	32	181.35
1-3/4	36	181.35
1-3/4	40	181.35
1-13/16	8	199.65
1-13/16	10	199.65
1-13/16	12	199.65
1-13/16	14	199.65
1-13/16	16	199.65
1-13/16	18	199.65
1-13/16	20	199.65
1-13/16	24	199.65
1-13/16	32	199.65
1-7/8	5	217.94
1-7/8	8	217.94
1-7/8	10	217.94
1-7/8	12	217.94

Size	Threads Per Inch	Price Each
		779
1-7/8	14	217.94
1-7/8	16	217.94
1-7/8	18	217.94
1-7/8	20	217.94
1-7/8	24	217.94
1-7/8	26	217.94
1-7/8	32	217.94
1-15/16	8	229.90
1-15/16	10	229.90
1-15/16	12	229.90
1-15/16	14	229.90
1-15/16	16	229.90
1-15/16	18	229.90
1-15/16	20	229.90
1-15/16	24	229.90
1-15/16	32	229.90
2	4-1/2	235.95
2	6	235.95
2	8	235.95
2	10	235.95
2	12	235.95
2	14	235.95
2	16	235.95
2	18	235.95
2	20	235.95
2	24	235.95
2	28	235.95
2	32	235.95
2-1/16	12	283.25
2-1/16	18	283.25
2-1/8	4-1/2	289.25
2-1/8	8	289.25
2-1/8	12	289.25
2-1/8	16	289.25
2-1/8	18	289.25
2-1/8	20	289.25
2-5/32	32	340.00
2-1/4	4	309.38
2-1/4	4-1/2	309.38
2-1/4	8	309.38
2-1/4	12	309.38
2-1/4	14	309.38
2-1/4	16	309.38
2-1/4	18	309.38
2-1/4	20	309.38
2-1/4	24	309.38
2-1/4	26	309.38
2-5/16	12	316.25
2-5/16	14	316.25
2-5/16	16	316.25
2-5/16	18	316.25
2-3/8	4	323.13
2-3/8	8	323.13
2-3/8	12	323.13
2-3/8	16	323.13
2-3/8	18	323.13
2-3/8	20	323.13
2-3/8	24	323.13
2-7/16	12	398.75
2-1/2	4	398.75
2-1/2	6	398.75
2-1/2	8	398.75
2-1/2	12	398.75
2-1/2	16	398.75
2-1/2	18	398.75
2-1/2	32	398.75

Size	Threads Per Inch	Price Each
		779
2-9/16	12	446.88
2-5/8	4	501.88
2-5/8	8	501.88
2-5/8	12	501.88
2-5/8	16	501.88
2-5/8	18	501.88
2-5/8	20	501.88
2-3/4	4	617.38
2-3/4	8	617.38
2-3/4	12	617.38
2-3/4	16	617.38
2-3/4	18	617.38
2-3/4	20	617.38
2-7/8	4	639.38
2-7/8	8	639.38
2-7/8	12	639.38
2-7/8	16	639.38
2-7/8	18	639.38
2-7/8	20	639.38
3	4	719.13
3	8	719.13
3	12	719.13
3	16	719.13
3	18	719.13
3	20	719.13
3-1/8	4	783.75
3-1/8	8	783.75
3-1/8	12	783.75
3-1/8	16	783.75
3-1/8	18	783.75
3-1/8	20	783.75
3-1/4	4	831.88
3-1/4	8	831.88
3-1/4	12	831.88
3-1/4	16	831.88
3-1/4	18	831.88
3-1/4	20	831.88
3-3/8	4	895.79
3-3/8	8	895.79
3-3/8	12	895.79
3-3/8	16	895.79
3-1/2	4	929.50
3-1/2	8	929.50
3-1/2	12	929.50
3-1/2	16	929.50
3-5/8	4	1007.16
3-5/8	8	1007.16
3-5/8	12	1007.16
3-5/8	16	1007.16
3-3/4	4	1084.88
3-3/4	8	1084.88
3-3/4	12	1084.88
3-3/4	16	1084.88
3-7/8	4	1152.93
3-7/8	8	1152.93
3-7/8	12	1152.93
3-7/8	16	1152.93
4	4	1221.00
4	8	1221.00
4	12	1221.00
4	16	1221.00
4-1/2	12	2281.13
4-3/4	8	4180.55
4-3/4	12	4180.55
5	8	5205.09
5	12	5205.09

Spiral Point Special Thread Taps

High Speed Steel



MDX
SUPERIOR IMPORT

List No. **779SP** – Plug Chamfer

Size	Threads Per Inch	Price Each
00	90	18.60
00	96	18.60
2	48	12.60
2	80	12.60
3	80	12.60
4	32	12.60
4	56	12.60
4	60	12.60
4	64	12.60
4	80	12.60
5	32	12.46
5	36	12.46
5	48	12.46
5	60	12.46
5	64	12.46
5	80	12.46
6	36	10.26
6	48	10.26
6	56	10.26
6	60	10.26
6	64	10.26
6	80	10.26
7	32	10.76
8	24	10.76
8	30	10.76
8	40	10.76
8	48	10.76
8	56	10.76
8	60	10.76
8	64	10.76
8	80	10.76
9	24	10.76
9	32	10.76
10	28	10.76
10	30	10.76
10	36	10.76
10	40	10.76
10	48	10.76
10	56	10.76
10	60	10.76
10	64	10.76
10	80	10.76
12	30	10.76
12	32	10.76
12	36	10.76
12	40	10.76
12	48	10.76
12	56	10.76
12	64	10.76
3/32	50	10.76
1/8	40	10.76
1/8	48	10.76
5/32	32	10.76
5/32	36	10.76
3/16	24	10.76
3/16	32	10.76
13/64	24	10.76
7/32	24	10.76
7/32	32	10.76
1/4	16	10.76
1/4	18	10.76
1/4	24	10.76
1/4	26	10.76
1/4	27	10.76
1/4	32	10.76
1/4	36	10.76
1/4	40	10.76
1/4	48	10.76
1/4	56	10.76
1/4	60	10.76
1/4	64	10.76
1/4	80	10.76
9/32	24	11.29
9/32	32	11.29
9/32	40	11.29

Size	Threads Per Inch	Price Each
5/16	16	11.29
5/16	20	11.29
5/16	22	11.29
5/16	27	11.29
5/16	28	11.29
5/16	32	11.29
5/16	36	11.29
5/16	40	11.29
5/16	48	11.29
5/16	56	11.29
5/16	60	11.29
5/16	64	11.29
5/16	80	11.29
11/32	32	11.42
3/8	14	11.42
3/8	18	11.42
3/8	20	11.42
3/8	27	11.42
3/8	28	11.42
3/8	30	11.42
3/8	32	11.42
3/8	36	11.42
3/8	40	11.42
3/8	48	11.42
3/8	56	11.42
3/8	60	11.42
3/8	64	11.42
3/8	80	11.42
13/32	32	13.41
13/32	36	13.41
13/32	40	13.41
7/16	12	13.41
7/16	16	13.41
7/16	18	13.41
7/16	24	13.41
7/16	27	13.41
7/16	28	13.41
7/16	32	13.41
7/16	36	13.41
7/16	40	13.41
7/16	48	13.41
7/16	56	13.41
7/16	64	13.41
15/32	32	16.64
15/32	36	16.64
15/32	40	16.64
1/2	10	16.64
1/2	12	16.64
1/2	14	16.64
1/2	16	16.64
1/2	18	16.64
1/2	24	16.64
1/2	27	16.64
1/2	28	16.64
1/2	30	16.64
1/2	32	16.64
1/2	36	16.64
1/2	40	16.64
1/2	48	16.64
1/2	56	16.64
1/2	60	16.64
1/2	64	16.64
1/2	80	16.64
9/16	14	19.97
9/16	16	19.97
9/16	20	19.97
9/16	24	19.97
9/16	27	19.97
9/16	28	19.97
9/16	32	19.97
9/16	36	19.97
9/16	40	19.97
9/16	48	19.97
5/8	10	23.29
5/8	12	23.29

Size	Threads Per Inch	Price Each
5/8	14	23.29
5/8	16	23.29
5/8	20	23.29
5/8	24	23.29
5/8	26	23.29
5/8	27	23.29
5/8	28	23.29
5/8	32	23.29
5/8	36	23.29
5/8	40	23.29
5/8	48	23.29
5/8	56	23.29
5/8	64	23.29
11/16	12	32.19
11/16	14	32.19
11/16	18	32.19
11/16	20	32.19
11/16	24	32.19
11/16	27	32.19
11/16	32	32.19
11/16	36	32.19
11/16	40	32.19
11/16	48	32.19
3/4	8	38.81
3/4	11-1/2	38.81
3/4	12	38.81
3/4	14	38.81
3/4	18	38.81
3/4	20	38.81
3/4	24	38.81
3/4	27	38.81
3/4	28	38.81
3/4	32	38.81
3/4	36	38.81
3/4	40	38.81
3/4	48	38.81
3/4	56	38.81
3/4	64	38.81
13/16	10	47.71
13/16	12	47.71
13/16	14	47.71
13/16	16	47.71
13/16	18	47.71
13/16	20	47.71
13/16	24	47.71
13/16	27	47.71
13/16	28	47.71
13/16	32	47.71
13/16	40	47.71
13/16	48	47.71
7/8	10	55.48
7/8	12	55.48
7/8	18	55.48
7/8	20	55.48
7/8	24	55.48
7/8	27	55.48
7/8	32	55.48
7/8	36	55.48
7/8	40	55.48
15/16	12	58.81
15/16	18	58.81
15/16	20	58.81
15/16	24	58.81
15/16	32	58.81
31/32	16	74.50
1	16	63.40
1	20	63.40
1	24	63.40
1	36	63.40
1	40	63.40
1	48	63.40
1	56	63.40
1	64	63.40
1-1/8	20	78.00
1-1/8	24	78.00

THREADING

Eight Pitch Taps

High Speed Steel – Ground Thread

List No. 779 – Eight Threads per Inch

List No. 779SET – (Plug, Bottoming, Taper)

Please specify plug, bottoming, or taper chamfer when ordering.



Size	Price Each	
	779	779SET
3/4	22.75	68.25
7/8	29.28	87.84
1-1/16	57.48	172.44
1-1/8	60.10	180.30
1-3/16	75.50	226.50
1-1/4	75.50	226.50
1-5/16	97.65	292.95
1-3/8	97.65	292.95
1-7/16	128.26	384.78

Size	Price Each	
	779	779SET
1-1/2	129.71	389.13
1-9/16	139.15	417.45
1-5/8	142.95	428.85
1-11/16	163.35	490.05
1-3/4	181.35	544.05
1-13/16	199.65	598.95
1-7/8	215.63	646.89
1-15/16	229.90	689.70
2	235.95	707.85

Size	Price
2-1/8	289.25
2-1/4	309.38
2-3/8	398.75
2-1/2	398.75
2-5/8	501.88
2-3/4	617.38
2-7/8	639.38
3	719.13
3-1/8	783.75

Size	Price
3-1/4	831.88
3-3/8	895.79
3-1/2	929.50
3-5/8	1007.16
3-3/4	1084.88
3-7/8	1152.93
4	1221.00
4-3/4	4180.55
5	5205.09

Acme Tandem Style Taps

High Speed Steel – Class 2G

Tandem style tap eliminates the excessive cost of producing Acme threads. It produces threads from a 10° to 30° included angle in a single pass without lead-screw. The last few threads on the roughing section function as a guide for the short finishing section, which corrects the angles and brings the threads to size.

List No. 787 – Right Hand

List No. 787L – Left Hand



Size	Threads Per Inch	Thread Length	Overall Length	Price Each	
				Right Hand 787	Left Hand 787L
3/8	12	2-1/8	4-1/16	96.75	129.80
7/16	12	2-9/16	5	96.75	129.80
1/2	10	2-9/16	5	96.75	119.00
5/8	8	3-3/16	6-1/4	108.35	126.83
3/4	6	4-5/16	7-15/16	148.23	171.82
7/8	6	4-3/8	8-5/8	173.25	209.11

Size	Threads Per Inch	Thread Length	Overall Length	Price Each	
				Right Hand 787	Left Hand 787L
1	5	5-1/4	10-1/8	180.84	219.84
1-1/8	5	5-1/4	10-3/4	193.88	293.66
1-1/4	5	5-1/4	11-1/8	231.00	324.50
1-3/8	4	5-7/8	12-1/4	290.40	360.80
1-1/2	4	5-7/8	12-5/8	309.65	401.50
2	4	6-1/2	14-7/8	368.50	438.90

WHITWORTH Taps

High Speed Steel – Ground Thread

List No. 772W – 55° Thread Angle, British Standard, Plug, Chamfer.



Size	Threads Per Inch	Overall Length mm	Price Each
1/16	60	32	10.44
3/32	48	36	10.63
1/8	40	41	10.83
5/32	32	45	10.83
3/16	24	50	10.83
1/4	20	50	10.83
5/16	18	56	13.32
3/8	16	63	15.47

Size	Threads Per Inch	Overall Length mm	Price Each
7/16	14	70	23.58
1/2	12	75	27.06
9/16	12	80	27.06
5/8	11	80	44.45
3/4	10	95	61.85
7/8	9	100	86.97
1	8	110	108.23
1-1/4	7	125	110.00

Size	Threads Per Inch	Overall Length mm	Price Each
1-3/8	6	150	171.37
1-1/2	6	150	198.42
1-5/8	5	160	216.45
1-7/8	4-1/2	180	234.50
2	4-1/2	180	260.50
2-1/4	4	220	286.61
2-1/2	4	220	324.69
3	3-1/2	305	1234.80

WHITWORTH Nut Taps

High Speed Steel – Ground Thread

List No. 798W – 55° Thread Angle, British Standard

Primarily used for threading nuts. Shank of tap is smaller than I.D. of nut allowing nuts to accumulate on the shank. Also used for long reach.



Size	Threads Per Inch	Overall Length mm	Price Each
1/8	40	70	43.27
3/16	24	90	47.40
1/4	20	110	52.00
5/16	18	125	57.40
3/8	16	140	65.97

Size	Threads Per Inch	Overall Length mm	Price Each
1/2	12	180	82.46
9/16	12	200	99.75
5/8	11	220	107.20
3/4	10	250	148.45
1"	8	315	206.16

Left Hand Taps

High Speed Steel – Ground Thread



Left Hand Standard Thread

List No. **770L** – Hand Tap *Please specify plug, bottoming, or taper chamfer*

List No. **770LSET** – 3 Piece Set (Plug, Bottoming, Taper)

List No. **782L** – Spiral Point Plug Chamfer

Size	T.P.I.	Thread Limits	No. of Flutes	Straight		Spiral Point	
				Price Each		No. of Flutes	Price Each
				770L	770LSET		
1	72	H2	2	8.25	24.75	2	9.74
2	56	H2	3	8.25	24.75	2	9.74
2	64	H2	3	8.25	24.75	2	9.74
3	48	H2	3	8.25	24.75	2	9.74
3	56	H2	3	8.25	24.75	2	9.74
4	40	H2	3	7.59	22.77	2	8.96
4	48	H2	3	8.25	24.75	2	9.74
5	40	H2	3	7.59	22.77	2	8.96
5	44	H2	3	8.25	24.75	2	9.74
6	32	H3	3	6.76	20.28	2	7.98
6	40	H3	3	6.76	20.28	2	7.98
8	32	H3	4	6.76	20.28	2	7.98
8	36	H3	4	6.76	20.28	2	7.98
10	24	H3	4	6.76	20.28	2	7.98
10	32	H3	4	6.76	20.28	2	7.98
12	24	H3	4	7.91	23.73	2	9.33
12	28	H3	4	7.91	23.73	2	9.33
1/4	20	H3	4	7.91	23.73	2	9.33
1/4	28	H3	4	7.91	23.73	2	9.33
5/16	18	H3	4	8.77	26.31	2	10.35
5/16	24	H3	4	8.77	26.31	2	10.35
3/8	16	H3	4	11.35	34.05	3	13.39
3/8	24	H3	4	11.35	34.05	3	13.39
7/16	14	H3	4	14.51	43.53	3	17.12

Size	T.P.I.	Thread Limits	No. of Flutes	Straight		Spiral Point	
				Price Each		No. of Flutes	Price Each
				770L	770LSET		
7/16	20	H3	4	14.51	43.53	3	17.12
1/2	13	H3	4	17.15	51.45	3	20.24
1/2	20	H3	4	17.15	51.45	3	20.24
9/16	12	H3	4	25.59	76.77	3	30.20
9/16	18	H3	4	25.59	76.77	3	30.20
5/8	11	H3	4	32.47	97.41	3	38.31
5/8	18	H3	4	32.47	97.41	3	38.31
11/16	11	H3	4	35.74	107.22	3	42.17
11/16	16	H3	4	35.74	107.22	3	42.17
3/4	10	H3	4	42.34	127.02	3	49.96
3/4	16	H3	4	42.34	127.02	3	49.96
7/8	9	H4	4	57.48	172.44	3	67.83
7/8	14	H4	4	57.48	172.44	3	67.83
1"	8	H4	4	75.23	225.69	3	88.77
1"	12	H4	4	75.23	225.69	3	88.77
1"	14	H4	4	75.23	225.69	3	88.77
1-1/8	7	H4	4	126.59	379.77	—	—
1-1/8	12	H4	4	126.59	379.77	—	—
1-1/4	7	H4	4	159.81	479.43	—	—
1-1/4	12	H4	6	159.81	479.43	—	—
1-3/8	6	H4	4	199.03	597.09	—	—
1-3/8	12	H4	6	199.03	597.09	—	—
1-1/2	6	H4	4	231.00	693.00	—	—
1-1/2	12	H4	6	231.00	693.00	—	—

Metric Sizes

List No. **773MLH** – Plug Chamfer

Size mm	Pitch	No. of Flutes	Price Each
1.70	.35	2	23.50
2.00	.40	3	23.50
2.60	.45	3	16.00
3.00	.50	3	12.15
3.50	.60	3	11.77
4.00	.70	4	11.77
5.00	.80	4	12.40
6.00	1.00	4	12.95
7.00	1.00	4	14.09
8.00	.50	4	10.09
8.00	1.00	4	10.09
8.00	1.25	4	12.19
9.00	1.25	4	14.02
10.00	.75	4	14.02

Size mm	Pitch	No. of Flutes	Price Each
10.00	1.25	4	14.02
10.00	1.50	4	14.02
11.00	1.00	4	18.69
11.00	1.50	4	18.69
12.00	1.25	4	27.30
12.00	1.50	4	27.30
12.00	1.75	4	27.30
14.00	1.25	4	35.60
14.00	1.50	4	35.60
14.00	2.00	4	35.60
16.00	.75	4	42.25
16.00	1.50	4	42.25
16.00	2.00	4	42.25
18.00	1.00	4	54.00

Size mm	Pitch	No. of Flutes	Price Each
18.00	1.50	4	54.00
18.00	2.50	4	54.00
20.00	1.50	4	72.26
20.00	2.50	4	72.26
22.00	1.50	4	82.00
22.00	2.50	4	82.00
24.00	2.00	4	115.70
27.00	2.00	4	148.00
27.00	3.00	4	148.00
30.00	2.00	4	225.00
30.00	3.50	4	225.00
45.00	1.50	6	467.50

Left Hand Special Thread

List No. **779L** – Hand Tap *Please specify plug, bottoming, or taper chamfer*

List No. **779LS** – Spiral Point - Plug Chamfer

Size	Threads Per Inch	Price Each	
		Hand Tap 779L	Spiral Point 779LS
1/4	27	14.03	16.14
1/4	32	14.03	16.14
5/16	27	14.03	—
5/16	32	14.03	16.14
3/8	32	14.28	16.42
7/16	24	15.77	18.14
1/2	24	17.99	20.69
1/2	32	17.99	20.69
5/8	24	27.64	31.79
5/8	32	27.64	31.79
11/16	18	34.12	—
3/4	18	34.12	—
3/4	20	34.12	—
3/4	24	34.12	39.24
3/4	32	34.12	39.24

Size	Threads Per Inch	Price Each
		Hand Tap 779L
7/8	20	70.00
1	20	82.00
1	24	82.00
1-1/16	12	88.00
1-1/16	18	88.00
1-1/8	8	90.16
1-1/4	8	90.16
1-5/16	20	139.00
1-3/8	8	146.48
1-7/16	16	188.00
1-1/2	8	194.57
1-9/16	20	208.73
1-5/8	12	250.00
1-3/4	8	272.02
3-1/4	6	1200.00
3-1/4	20	1200.00

Pipe Taps

High Speed Steel – Ground Thread

Taper pipe taps are utilized to thread pipe fittings hence their nominal size is of the pipe being threaded.

- List No. **790U** – Taper (NPT)
- List No. **791U** – Straight (NPS)
- List No. **792U** – Interrupted Thread Taper (INT/NPT)

For tapping tough, or gummy metals that have a tendency to load the tap teeth.



Size	Threads Per Inch	Price Each		
		NPT 790U	NPS 791U	INT/NPT 792U
1/16	27	25.68	27.80	39.86
1/8	27 SM/SK	25.68	27.80	—
1/8	27 LG/SK	25.68	27.80	39.86
1/4	18	28.40	30.83	44.22
3/8	18	37.45	40.33	55.80
1/2	14	59.33	64.41	88.99
3/4	14	83.11	90.39	125.83

Size	Threads Per Inch	Price Each		
		NPT 790U	NPS 791U	INT/NPT 792U
1	11-1/2	125.88	137.20	194.48
1-1/4	11-1/2	180.77	191.89	273.47
1-1/2	11-1/2	241.95	249.36	367.36
2	11-1/2	328.50	356.90	494.36
2-1/2	8	690.62	—	—
3	8	973.35	—	—

- List No. **790** – Taper (NPT)
- List No. **790T** – TiN Coated Taper (NPT)
- List No. **791** – Straight (NPS)
- List No. **792** – Interrupted Thread (INT/NPT)

- List No. **790F** – Dryseal Taper (NPTF)
- List No. **791F** – Dryseal Straight (NPSF)
- List No. **792F** – Dryseal Interrupted Thread Taper (INT/NPTF)



Size	Threads Per Inch	Price Each						
		NPT 790	TiN Coated NPT 790T	NPS 791	INT/NPT 792	NPTF 790F	NPSF 791F	INT/NPTF 792F
1/16	27	19.58	26.22	21.02	29.37	20.86	22.41	31.31
1/8	27 SM/SK	19.58	28.55	21.02	—	—	—	—
1/8	27 LG/SK	19.58	28.55	21.02	29.37	20.86	22.41	31.31
1/4	18	21.56	32.92	23.49	32.49	23.00	25.03	34.65
3/8	18	28.49	42.30	30.69	41.79	30.38	32.72	44.55
1/2	14	45.16	65.25	48.94	65.14	48.15	52.19	69.47
3/4	14	63.18	86.37	68.61	92.55	67.39	73.17	98.70
1	11-1/2	97.05	133.26	104.28	145.56	103.50	111.24	155.25
1-1/4	11-1/2	139.23	182.29	140.02	207.72	148.50	157.50	221.55
1-1/2	11-1/2	191.97	250.76	196.20	278.87	204.75	202.50	297.45
2	11-1/2	252.97	328.80	258.08	375.44	269.82	301.50	400.46
2-1/2	8	458.06	—	670.50	538.20	625.50	718.20	—
3	8	580.50	—	945.00	—	706.50	1008.00	—
3-1/2	8	843.01	—	999.00	—	897.30	—	—
4	8	1161.34	—	1215.00	—	1219.00	—	—

Carbon Pipe Taps

Ground Thread

- List No. **793U** – Taper (NPT)
- List No. **793UST** – Surface Treated With Steam Oxide for reduced wear.



Size	Threads Per Inch	Price Each	
		793U	793UST
1/16	27	10.17	15.17
1/8	27	10.17	15.17
1/4	18	12.00	17.60
3/8	18	15.53	21.65

Size	Threads Per Inch	Price Each	
		793U	793UST
1/2	14	20.62	30.20
3/4	14	33.03	43.00
1	11-1/2	48.68	61.00
1-1/4	11-1/2	57.43	79.00

Size	Threads Per Inch	Price Each	
		793U	793UST
1-1/2	11-1/2	81.07	127.00
2	11-1/2	124.16	163.00

- List No. **793** – Taper (NPT)
- List No. **793L** – Left Hand Taper (NPT)
- List No. **793ST** – Right Hand Straight (NPS)

Size	Threads Per Inch	Price Each		
		NPT 793	NPT LH 793L	Straight RH 793ST
1/16	27	7.86	10.88	—
1/8	27	7.86	10.88	12.15
1/4	18	9.05	12.52	13.39
3/8	18	11.99	16.61	18.45
1/2	14	15.93	22.05	24.44
3/4	14	25.49	35.33	39.06
1	11-1/2	37.55	52.07	55.05

Size	Threads Per Inch	Price Each		
		NPT 793	NPT LH 793L	Straight RH 793ST
1-1/4	11-1/2	44.31	61.43	64.87
1-1/2	11-1/2	62.55	86.72	89.30
2	11-1/2	95.79	133.20	138.38
2-1/2	8	179.10	231.75	—
3	8	242.10	357.30	—
3-1/2	8	422.10	—	—
4	8	562.50	—	—

Long Reach NPT Pipe Taps

High Speed Steel – Ground Thread



MDX
SUPERIOR IMPORT



THREADING

List No. 797

Size	Threads Per Inch	Price Each				
		3" OAL	4" OAL	6" OAL	8" OAL	12" OAL
1/16	27	18.90	22.95	27.68	33.75	51.60
1/8	27	—	26.55*	27.68*	33.75	51.60
1/4	18	—	30.56	31.73*	35.78	53.10
3/8	18	—	33.70	39.75	39.90	60.90
1/2	14	—	—	51.08	72.00	87.26
3/4	14	—	—	72.68	112.50	134.10
1	11-1/2	—	—	103.50	157.50	175.50
1-1/4	11-1/2	—	—	—	—	390.00
1-1/2	11-1/2	—	—	—	—	460.00
2	11-1/2	—	—	—	—	510.00

* NPS in stock - same price

British Standard Pipe Taps

High Speed Steel – Ground Thread



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List No. 794 – Taper (BSPT)

List No. 799 – Parallel (BSPP)

Size	Threads Per Inch	Price Each	
		BSPT 794	BSPP 799
1/8	28	31.41	31.41
1/4	19	34.95	34.95
3/8	19	46.08	46.08
1/2	14	72.90	72.90
5/8	14	85.41	85.41
3/4	14	99.75	99.75
7/8	14	135.72	135.72
1	11	150.66	150.66

Size	Threads Per Inch	Price Each	
		BSPT 794	BSPP 799
1-1/8	11	—	219.50
1-1/4	11	227.82	227.82
1-1/2	11	298.69	298.69
1-3/4	11	343.54	343.54
2	11	440.00	440.00
2-1/2	11	950.00	950.00
2-3/4	11	—	1060.00

Left Hand & Spiral Flute Pipe Taps

High Speed Steel – Ground Thread



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List No. 790L – Left Hand Taper (NPT)

List No. 790SP – Spiral Taper (NPT)

List No. 791L – Left Hand Straight (NPS)

List No. 791SP – Spiral Straight (NPS)

Size	Threads Per Inch	Price Each			
		LH NPT 790L	LH NPS 791L	Taper 790SP	Straight 791SP
1/16	27	23.50	26.28	39.24	—
1/8	27	23.50	26.28	39.24	45.13
1/4	18	25.87	29.36	48.51	55.79
3/8	18	34.19	38.36	60.30	69.35
1/2	14	54.19	61.18	76.05	—
3/4	14	75.82	85.76	115.20	—
1	11-1/2	116.46	130.35	144.90	—
1-1/4	11-1/2	160.08	175.03	—	—
1-1/2	11-1/2	230.36	245.25	—	—
2	11-1/2	303.56	322.60	—	—



Pipe Tap Sets

High Speed Steel & Carbon

MDX
SUPERIOR IMPORT

Sizes	Description	Pcs.	Set No.	Price
1/8, 1/4, 3/8, 1/2, 3/4, 1	USA H.S. Taper Pipe Set	6	790US	360.05
1/8, 1/4, 3/8, 1/2, 3/4, 1	USA Carbon Taper Pipe	6	793US	154.62
1/8, 1/4, 3/8, 1/2.	Import H.S. Taper Pipe Set	4	790S	114.79
1/8, 1/4, 3/8, 1/2.	Import Carbon Taper Pipe	4	793S	48.96



Combined Tap & Drill

High Speed Steel – Ground Thread



List No. **789** – 2 Flute

Designed to drill and tap thru holes in a single pass up to two times the tap diameter. Also can be used on multiple spindle heads with reversing mechanisms.



Size	Threads Per Inch	Drill Size	Thread Length	Overall Length	Price Each
4	40	.0910	3/8	1-7/8	16.50
4	48	.0945	3/8	1-7/8	16.50
5	40	.1040	13/32	1-15/16	16.50
6	32	.1115	7/16	2	16.50
6	40	.1170	7/16	2	16.50
8	32	.1375	1/2	2-1/8	16.50
10	24	.1545	5/8	2-3/8	16.50
10	32	.1635	5/8	2-3/8	16.50
12	24	.1805	21/32	2-3/8	17.60
12	28	.1860	21/32	2-3/8	17.60
1/4	20	.2080	25/32	2-1/2	16.50

Size	Threads Per Inch	Drill Size	Thread Length	Overall Length	Price Each
1/4	28	.2200	25/32	2-1/2	17.60
5/16	18	.2660	15/16	2-27/32	24.20
5/16	24	.2770	15/16	2-27/32	24.20
3/8	16	.3225	1-1/16	3-3/8	28.60
3/8	24	.3395	1-1/16	3-3/8	28.60
7/16	14	.3770	1-1/4	3-3/4	36.86
7/16	20	.3955	1-1/4	3-3/4	36.86
1/2	13	.4350	1-3/8	4-1/16	42.58
1/2	20	.4580	1-3/8	4-1/16	42.58
5/8	11	.5750	1-3/4	5	87.46
3/4	10	.6650	2	6	108.90

Pipe Sizes

Size	Threads Per Inch	Drill Size	Thread Length	Overall Length	Price Each
1/16	27	.2420	11/16	2-13/16	63.35
1/8	27	.3320	3/4	2-7/8	79.89
1/4	18	.4370	1-1/16	3-5/16	90.68
3/8	18	.5620	1-1/16	3-1/2	104.63

Size	Threads Per Inch	Drill Size	Thread Length	Overall Length	Price Each
1/2	14	.7030	1-3/8	4-3/8	159.12
3/4	14	.9060	1-3/8	4-9/16	222.18
1	11-1/2	1.1410	1-3/4	5-3/8	333.30

Metric Sizes

List No. **789M** – 2 Flute

Size	Threads Per Inch	Drill Size	Thread Length	Overall Length	Price Each
3.00	.50	.1015	13/32	1-15/16	18.76
3.50	.60	.1181	7/16	2	18.76
4.00	.70	.1339	1/2	2-1/8	18.76
4.50	.75	.1520	7/8	2-3/8	18.76
5.00	.80	.1695	5/8	2-3/8	18.76

Size	Threads Per Inch	Drill Size	Thread Length	Overall Length	Price Each
6.00	1.00	.2031	25/32	2-1/2	18.76
7.00	1.00	.2420	15/16	2-27/32	18.76
8.00	1.25	.2735	15/16	2-27/32	18.76
10.00	1.50	.3445	1-1/16	3-3/8	38.86
12.00	1.75	.4134	1-3/8	4-1/4	38.86

Cobalt Combined Tap & Drill

List No. **789C** – 2 Flute

Designed to drill and tap thru holes in a single pass up to two times the tap diameter. Also can be used on multiple spindle heads with reversing mechanisms.



Size	Threads Per Inch	Drill Size	Thread Length	Overall Length	Price Each
4	40	.0910	3/8	1-7/8	22.88
4	48	.0945	3/8	1-7/8	24.72
5	40	.1040	13/32	1-15/16	22.88
6	32	.1115	7/16	2	22.88
6	40	.1170	7/16	2	24.72
8	32	.1375	1/2	2-1/8	22.88
8	36	.1400	1/2	2-1/8	24.88
10	24	.1545	5/8	2-3/8	22.88
10	32	.1635	5/8	2-3/8	22.88
12	24	.1805	21/32	2-3/8	22.88
12	28	.1860	21/32	2-3/8	24.72

Size	Threads Per Inch	Drill Size	Thread Length	Overall Length	Price Each
1/4	20	.2080	25/32	2-1/2	22.88
1/4	28	.2200	25/32	2-1/2	22.88
5/16	18	.2660	15/16	2-27/32	34.08
5/16	24	.2770	15/16	2-27/32	34.08
3/8	16	.3225	1-1/16	3-3/8	41.04
3/8	24	.3395	1-1/16	3-3/8	41.04
7/16	14	.3770	1-1/4	3-3/4	49.20
7/16	20	.3955	1-1/4	3-3/4	49.20
1/2	13	.4350	1-3/8	4-1/16	55.12
1/2	20	.4580	1-3/8	4-1/16	55.12