

MAGNUM™ 58-Piece Tap & Die Set

Straight flute plug taps and hex dies.

Set contains:

- Taps and dies in sizes 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13, 1/2-20, 9/16-12, 5/8-11, 5/8-18, 3/4-10, 3/4-16
- Pipe taps and dies in sizes 1/8-27 NPT, 1/4-18 NPT
- T-Handle tap wrench 0 to 1/4", straight handle tap wrenches #4 to 1/2" & 1/4" to 3/4"
- Die stocks: Med. R/H & 1" R/H
- Screw pitch gauge
- Screw driver
- Spiral flute extractors in sizes EX-1 to EX-5

Supplied in a sturdy plastic case (may be red or black).



ITEM NO.	DESCRIPTION	1 set	2	3	4
601149	Magnum SP 58 piece set	\$616.03	\$586.69	\$560.02	\$535.67

MAGNUM™ 40-Piece Tap & Die Set

- Spiral or straight plug taps and hex dies.
- Set contains:
- Taps and dies in sizes 4-40, 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13, 1/2-20
- Pipe tap and die in size 1/8-27 NPT
- T-Handle tap wrenches: 0 to 1/4" & 3/16" to 1/2"
- Straight handle tap wrench, die stock, screw pitch gauge, and screw driver
- Supplied in a sturdy plastic case (may be red or black).



ITEM NO.	DESCRIPTION	1 set	2	4	6
601144	Magnum SP 40-pc STRAIGHT	\$322.53	\$306.40	\$291.81	\$278.55
580336	Magnum SP 40-pc SPIRAL	339.95	322.51	306.78	292.51

MAGNUM™ Super Premium Taps & Dies

- Highest quality for the most demanding applications
- Recommended for use in production tapping and drilling in work hardening grades of stainless steel and other hard metal applications
- Special Hi-Tungsten and Hi-Molybdenum tool steel
- Gold surface treated for maximum lubricity

MAGNUM™ 25-Piece Tap & Die Set

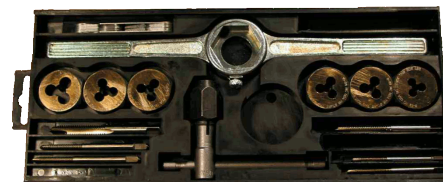
- Spiral point plug taps and hex dies.
- Set contains:
- Taps and dies in sizes 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13, 1/2-20
- Pipe tap and die in size 1/8-27 NPT
- T-Handle tap wrench, professional quality adjustable die stock and screw pitch gauge
- Supplied in a sturdy plastic case (may be red or black).



ITEM NO.	DESCRIPTION	1 set	2	4	6
580333	Magnum SP 25-piece set	\$243.99	\$231.94	\$221.02	\$211.09

MAGNUM™ 15-Piece Tap & Die Set

- Spiral point plug taps and hex dies.
- Set contains:
- Taps and dies in sizes 6-32, 8-32, 10-24, 10-32, 12-24, & 1/4-20
- T-Handle tap wrench, economy die stock, and screw pitch gauge
- Black plastic case with clear sliding cover.



ITEM NO.	DESCRIPTION	1 set	2	4	6
580330	Magnum SP 15-piece set	\$100.96	\$95.64	\$90.86	\$86.54

MAGNUM™ 24-Piece Tap & Die Set

– METRIC

- Spiral point plug taps and hex dies.
- Set contains:
- Taps and dies in sizes 3.0-.50, 3.5-.60, 4.0-.70, 5.0-.80, 6.0-1.00, 8.0-1.25, 10.0-1.50, 12.0-1.75
- Pipe tap and die in size 1/8-27 NPT
- T-Handle tap wrenches: 0 to 1/4" & 3/16" to 1/2"
- Straight handle tap wrench #4 to 1/2"
- Die stock and screw pitch gauge (metric)
- Supplied in a sturdy plastic case (may be red or black).



ITEM NO.	DESCRIPTION	1 set	2	4	6
580353	Magnum SP 24-pc METRIC	\$250.49	\$237.81	\$226.35	\$215.94

MAGNUM™

14-Piece Tap & Die Set

– METRIC

- Spiral point plug taps and hex dies.
- Set contains:
- Taps in sizes 2.5-.45, 3.0-.50, 3.5-.60, 4.0-.70, 5.0-.80, 6.0-1.00
- Dies in sizes 3.0-.50, 3.5-.60, 4.0-.70, 5.0-.80, 6.0-1.00
- T-Handle tap wrench, economy die stock, and screw pitch gauge (metric)
- Supplied in a sturdy plastic case (may be red or black).



ITEM NO.	DESCRIPTION	1 set	2	4	6
580350	Magnum SP 14-pc METRIC	\$117.67	\$111.79	\$106.46	\$101.63

NORSEMAN/CTD
DRILL & TOOL

America's Finest High-Speed Steel Cutting Tools™

MAGNUM™ Drill & Tap Combo Sets

- Super Premium HSS spiral point or straight flute plug taps. **Gold Oxide finish.**
- Low temperature stress relief that enhances lubricity, reduces friction, and increases tap toughness.
- Designed primarily for machine tapping in a wide variety of materials.
- Corresponding Super Premium HSS drill bits included.

#580305 includes:

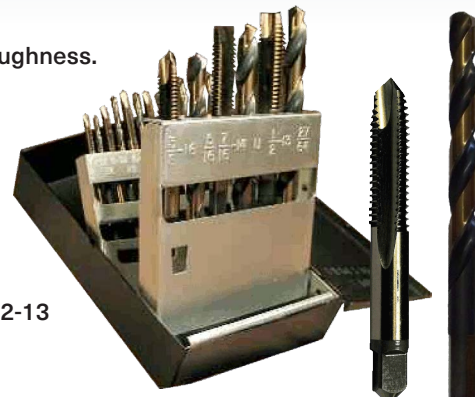
- National Coarse: Taps in sizes 6-32, 8-32, 10-24, 10-32, 1/4-20, 5/16-18
- Drill bits in sizes #36, 29, 25, 21, 7, F.

#580306 includes:

- National Coarse: Taps in sizes 6-32, 8-32, 10-24, 10-32, 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13
- Drill bits in sizes #36, 29, 25, 21, 7, F, 5/16, U, & 27/64.

#580309 includes:

- National Fine: Taps in sizes 6-40, 8-36, 10-24, 10-32, 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20
- Drill bits in sizes #33, 29, 25, 21, 3, 1, Q, 25/64, & 29/64.
- #580312 Metric tap sizes 2.5-.45 - 12.0-1.75 & drills: 2.05 - 10.20mm



ITEM NO.	DESCRIPTION	1 set	3	6	12
580305	12 piece set NC SPIRAL	\$54.73	\$51.96	\$49.46	\$47.18
580306	18 piece set NC SPIRAL	100.19	94.99	90.30	86.05
580309	18 piece set NF SPIRAL	118.08	111.95	106.42	101.41
580312	18 piece set Metric SPIRAL	133.21	126.29	120.05	114.40
601080	18 piece set NC STRAIGHT	106.11	100.73	95.88	91.47
601083	18 piece set NF STRAIGHT	109.03	103.58	98.64	94.16

Information on tap styles

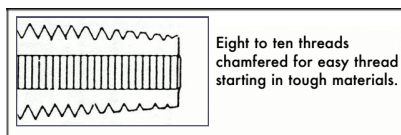
Taper style

- Starts the thread square with the workpiece.



Taper Tap

- This section cuts full size thread



Eight to ten threads chamfered for easy thread starting in tough materials.

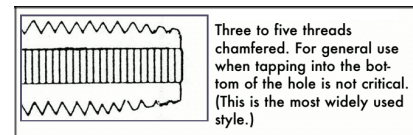
Plug style

- Generally used in thru holes or in blind holes with sufficient clearance.



Plug Tap

- This section cuts full size thread



Three to five threads chamfered. For general use when tapping into the bottom of the hole is not critical. (This is the most widely used style.)

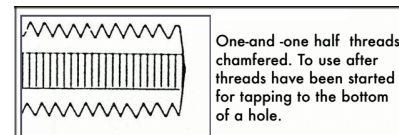
Bottoming style

- Cuts the thread to the bottom of blind holes. (Must start with another tap.)



Bottoming Tap

- This section cuts full size thread



One-and-one half threads chamfered. To use after threads have been started for tapping to the bottom of a hole.



40-Piece HSS Fractional Tap & Die Set

- Plug taps and hex dies.

Set contains:

- Taps and dies in sizes 4-40, 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-16, 7/16-20, 1/2-13, 1/2-20
- Pipe tap and die in size 1/8-27 NPT
- 1" hexagon die-stock
- Adjustable tap wrench (0 - 1")
- 2- T-Handle tap wrenches (0 - 1/4" & 1/4" - 1/2")
- Thread pitch gauge and screwdriver.
- Plastic case.



ITEM NO.	DESCRIPTION	1 set	2	3	4
708510	40-Pc Tap & Die set	\$181.20	\$172.14	\$163.94	\$156.49

36-Piece HSS Drill & Tap Combo Set

Set contains:

- NC Plug Taps w/Jobber Drills: 6-32 tap #36 drill, 8-32 tap #29 drill, 10-24 tap #25 drill, 12-24 tap #16 drill, 1/4-20 tap #7 drill, 5/16-18 tap F drill, 3/8-16 tap 5/16 drill, 7/16-14 tap U drill, & 1/2-13 tap 27/64 drill
- NF Plug Taps w/Jobber Drills: 6-40 tap #33 drill, 8-36 tap #29 drill, 10-32 tap #21 drill, 12-28 tap #15 drill, 1/4-28 tap #3 drill, 5/16-24 tap I drill, 3/8-24 tap Q drill, 7/16-20 tap 25/64 drill, 1/2-20 tap 29/64 drill
- Metal case.



ITEM NO.	DESCRIPTION	1 set	2	3	4
708110	36-Pc Drill & Tap set	\$159.05	\$151.10	\$143.90	\$137.36

MAGNUM™ Spiral Point Taps – Plug Style

- Special Hi-Tungsten and Hi-Molybdenum tool steels, gold surface treated for maximum lubricity.
- Spiral point taps are designed for machine tapping through holes in a wide variety of materials.
- The point of the tap continuously ejects the chips ahead of the tap, eliminating chip disposal problems and thread damage, and permitting higher speeds and faster cutting with less torque.
- Precision ground threads for the ultimate in accuracy and performance.
- Recommended for stainless and other hard metals.
- Plug style spiral pointed taps are ideal for production tapping of through holes.

RED = most common taps

Fractional

ITEM NO.	SIZE	# OF FLUTES	H LIMIT	PKG QTY	UOM: 1EA x PKG QUANTITY			
					3	15	30	60
580100	#0-80	2	H1	3	\$13.64	\$12.95	\$12.33	\$11.76
580101	0-80	2	H2	3	13.64	12.95	12.33	11.76
580102	1-64	2	H1	3	12.49	11.86	11.29	10.77
580103	1-64	2	H2	3	12.49	11.86	11.29	10.77
580104	1-72	2	H1	3	12.49	11.86	11.29	10.77
580105	1-72	2	H2	3	12.49	11.86	11.29	10.77
580106	2-56	2	H2	3	11.58	10.97	10.43	9.93
580107	2-64	2	H2	3	12.13	11.52	10.96	10.46
580108	3-48	2	H2	3	8.81	8.37	7.96	7.60
580109	3-56	2	H1	3	10.04	9.53	9.07	8.66
580110	3-56	2	H2	3	9.28	8.81	8.39	8.00
580111	4-36	2	H2	3	8.01	7.61	7.24	6.91
580112	4-40	2	H1	3	7.69	7.30	6.95	6.63
580113	4-40	2	H2	3	7.42	7.03	6.68	6.36
580114	4-48	2	H1	3	8.64	8.20	7.81	7.45
580115	4-48	2	H2	3	8.01	7.61	7.24	6.91
580116	5-40	2	H1	3	7.97	7.57	7.20	6.87
580117	5-40	2	H2	3	7.42	7.03	6.68	6.36
580118	5-44	2	H2	3	7.75	7.35	7.00	6.68
580119	6-32	2	H1	3	6.15	5.84	5.55	5.30
580120	6-32	2	H2	3	6.15	5.84	5.55	5.30
580121	6-32	2	H3	3	5.88	5.57	5.29	5.04
580122	6-40	2	H2	3	6.44	6.11	5.82	5.55
580123	8-32	2	H1	3	6.24	5.92	5.64	5.38
580124	8-32	2	H2	3	6.24	5.92	5.64	5.38
580125	8-32	2	H3	3	5.97	5.66	5.38	5.12
580126	8-36	2	H2	3	6.53	6.20	5.90	5.63
580127	10-24	2	H1	3	7.07	6.71	6.39	6.09
580128	10-24	2	H2	3	6.64	6.30	6.00	5.72
580129	10-24	2	H3	3	6.46	6.12	5.81	5.54
580130	10-32	2	H1	3	6.56	6.23	5.93	5.66
580131	10-32	2	H2	3	6.56	6.23	5.93	5.66
580132	10-32	2	H3	3	6.46	6.12	5.81	5.54
580133	12-24	2	H3	3	7.15	6.78	6.44	6.13
580134	12-28	2	H3	3	6.87	6.52	6.20	5.92

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ITEM NO.	SIZE	# OF FLUTES	H LIMIT	PKG QTY	UOM: 1EA x PKG QUANTITY			
					3	15	30	60
580135	1/4-20	2	H1	3	\$7.49	\$7.11	\$6.77	\$6.46
580136	1/4-20	2	H2	3	7.49	7.11	6.77	6.46
580137	1/4-20	2	H3	3	7.17	6.79	6.45	6.14
580138	1/4-20	2	H5	3	7.81	7.39	7.03	6.69
580139	1/4-20	3	H3	3	8.67	8.21	7.80	7.43
580140	1/4-20	3	H5	3	8.67	8.21	7.80	7.43
580141	1/4-28	2	H1	3	7.49	7.11	6.77	6.46
580142	1/4-28	2	H2	3	7.49	7.11	6.77	6.46
580143	1/4-28	2	H3	3	7.17	6.79	6.45	6.14
580144	1/4-28	2	H4	3	7.49	7.11	6.77	6.46
580145	1/4-28	3	H2	3	8.67	8.21	7.80	7.43
580146	1/4-28	3	H4	3	8.32	7.90	7.52	7.17
580147	5/16-18	2	H1	3	8.37	7.95	7.57	7.22
580148	5/16-18	2	H2	3	8.08	7.67	7.30	6.97
580149	5/16-18	2	H3	3	7.65	7.25	6.89	6.56
580150	5/16-18	2	H5	3	8.08	7.67	7.30	6.97
580151	5/16-18	3	H3	3	9.35	8.86	8.41	8.01
580152	5/16-18	3	H5	3	8.97	8.52	8.11	7.74
580153	5/16-24	2	H1	3	8.37	7.95	7.57	7.22
580154	5/16-24	2	H2	3	8.08	7.67	7.30	6.97
580155	5/16-24	2	H3	3	7.65	7.25	6.89	6.56
580156	5/16-24	2	H4	3	8.08	7.67	7.30	6.97
580157	5/16-24	3	H2	3	8.97	8.52	8.11	7.74
580158	5/16-24	3	H4	3	8.97	8.52	8.11	7.74
580159	3/8-16	3	H1	3	10.47	9.92	9.43	8.98
580160	3/8-16	3	H2	3	9.88	9.38	8.93	8.52
580161	3/8-16	3	H3	3	9.03	8.55	8.13	7.74
580162	3/8-16	3	H5	3	10.05	9.54	9.08	8.67
580163	3/8-24	3	H1	3	10.05	9.54	9.08	8.67
580164	3/8-24	3	H2	3	9.88	9.38	8.93	8.52
580165	3/8-24	3	H3	3	9.03	8.55	8.13	7.74
580166	3/8-24	3	H4	3	10.05	9.54	9.08	8.67
580167	7/16-14	3	H2	3	15.57	14.78	14.07	13.43
580168	7/16-14	3	H3	3	15.31	14.50	13.78	13.12
580169	7/16-14	3	H5	3	15.57	14.78	14.07	13.43
580170	7/16-20	3	H3	3	15.31	14.50	13.78	13.12
580171	7/16-20	3	H5	3	15.57	14.78	14.07	13.43
580172	1/2-13	3	H2	3	19.09	18.13	17.25	16.46
580173	1/2-13	3	H3	3	15.79	14.96	14.21	13.54
580174	1/2-13	3	H5	3	18.63	17.64	16.76	15.96
580175	1/2-20	3	H1	3	16.36	15.53	14.78	14.10
580176	1/2-20	3	H2	3	16.36	15.53	14.78	14.10
580177	1/2-20	3	H3	3	15.79	14.96	14.21	13.54
580178	1/2-20	3	H5	3	16.36	15.53	14.78	14.10

– Plug Style (continued)



ITEM NO.	SIZE	# OF FLUTES	H LIMIT	PKG QTY	UOM: 1EA x PKG QUANTITY			
					1	5	10	20
580179	9/16-12	3	H3	1	\$23.18	\$21.96	\$20.86	\$19.87
580180	9/16-18	3	H3	1	23.18	21.96	20.86	19.87
580181	5/8-11	3	H3	1	31.75	30.08	28.58	27.21
580182	5/8-11	3	H5	1	31.75	30.08	28.58	27.21
580183	5/8-18	3	H3	1	31.75	30.08	28.58	27.21
580184	3/4-10	3	H3	1	43.57	41.28	39.21	37.35
580185	3/4-10	3	H5	1	41.83	39.71	37.80	36.06
580186	3/4-16	3	H3	1	46.39	43.95	41.75	39.76

MAGNUM™ 10-Piece Spiral Point Tap Set

- **Sizes:** ¼-20 & 28, 5/16-18 & 24, 3/8-16 & 24, 7/16-14 & 20, & ½-13 & 20.



ITEM NO.	DESCRIPTION	1 set	3	6	12
580300	MAGNUM SP 10 pc. spiral set	\$119.38	\$113.18	\$107.59	\$102.53

Metric

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America's Finest High-Speed Steel Cutting Tools™

ITEM NO.	# OF FLUTES	H LIMIT	PKG QTY	UOM: 1EA x PKG QUANTITY			
				3	15	30	60
601101	1.6-0.35	2	3	\$10.69	\$10.15	\$9.66	\$9.22
601102	1.8-0.35	2	3	10.69	10.15	9.66	9.22
601103	2.0-0.40	2	3	10.69	10.15	9.66	9.22
601104	2.2-0.45	2	3	10.69	10.15	9.66	9.22
601105	2.5-0.45	2	3	10.65	10.11	9.63	9.18
601106	3.0-0.50	2	3	7.56	7.18	6.83	6.52
601107	3.5-0.60	2	3	7.56	7.18	6.83	6.52
601108	4.0-0.70	2	3	7.88	7.46	7.09	6.75
601109	4.5-0.75	2	3	7.56	7.18	6.83	6.52
601110	5.0-0.80	2	3	7.88	7.46	7.09	6.75
601111	6.0-1.00	2	3	8.33	7.89	7.50	7.14
601112	7.0-1.00	2	3	8.84	8.39	7.99	7.62
601113	8.0-1.00	2	3	9.71	9.20	8.74	8.32
601114	8.0-1.25	2	3	9.71	9.20	8.74	8.32
601115	10.0-1.25	3	3	14.21	13.49	12.84	12.25
601116	10.0-1.50	3	3	14.81	14.03	13.33	12.69
601117	12.0-1.25	3	3	17.77	16.87	16.06	15.32
601118	12.0-1.75	3	3	18.51	17.54	16.66	15.87
				1	5	10	20
601119	14.0-1.50	3	1	\$26.73	\$25.38	\$24.16	\$23.05
601120	14.0-2.00	3	1	26.73	25.38	24.16	23.05
601121	16.0-1.50	3	1	31.41	29.82	28.39	27.08
601122	16.0-2.00	3	1	32.72	31.00	29.45	28.05
601123	18.0-2.50	3	1	45.47	43.16	41.08	39.20
601124	20.0-2.50	3	1	34.65	32.83	31.19	29.70

MAGNUM™ Straight Flute Taps – Taper, Plug or Bottoming Styles

- Precision ground threads for the ultimate in accuracy and performance.
- Suitable for general machine tapping and CNC tapping, as well as for hand use.
- Straight flute tap is the most common type of tap.
- Available in Taper, Plug, or Bottoming, with Plug style being the most common for general purpose use. (See descriptions on page 60.)
- Also available in a complete 3-piece set, with one each of Taper, Plug, and Bottoming taps of the same size.



Taper



Plug



Bottoming

RED = most common taps taps

TAPER STYLE	PLUG STYLE	BOTTOMING STYLE	SIZE	# OF FLUTES	H LIMIT	PKG QTY	UOM: 1EA x PKG QUANTITY			
							3	15	30	60
580601	580401	580801	0-80	2	H1	3	\$8.93	\$8.48	\$8.07	\$7.70
580602	580402	580802	0-80	2	H2	3	8.93	8.48	8.07	7.70
580603	580403	580803	1-64	2	H1	3	8.93	8.48	8.07	7.70
580604	580404	580804	1-64	2	H2	3	8.93	8.48	8.07	7.70
580605	580405	580805	1-72	2	H1	3	8.93	8.48	8.07	7.70
580606	580406	580806	1-72	2	H2	3	8.93	8.48	8.07	7.70
580607	580407	580807	2-56	3	H1	3	11.21	10.65	10.13	9.67
580608	580408	580808	2-56	3	H2	3	10.47	9.94	9.46	9.02
580609	580409	580809	2-64	3	H2	3	11.21	10.65	10.13	9.67

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MAGNUM™ Straight Flute Taps – Taper, Plug or Bottoming Styles (continued)

RED = most common taps



Taper



Plug



Bottoming

TAPER STYLE	PLUG STYLE	BOTTOMING STYLE	SIZE	# OF FLUTES	H LIMIT	PKG QTY	UOM: 1EA x PKG QUANTITY				PRICE PER SET (1 each of Taper, Plug, Bottoming)				
							3	15	30	60	ITEM NO.	1 set	3	6	12
580610	580410	580810	3-48	3	H1	3	\$9.33	\$8.86	\$8.43	\$8.05					
580611	580411	580811	3-48	3	H2	3	8.33	7.91	7.53	7.18	580202	24.99	23.72	22.58	21.54
580612	580412	580812	3-56	3	H2	3	9.00	8.54	8.13	7.76					
580613	580413	580813	4-40	3	H2	3	6.72	6.38	6.07	5.79	580203	20.17	19.15	18.23	17.39
580614	580414	580814	4-48	3	H2	3	6.72	6.38	6.07	5.79	580204	20.17	19.15	18.23	17.39
580615	580415	580815	5-40	3	H1	3	7.32	6.95	6.61	6.31					
580616	580416	580816	5-40	3	H2	3	6.72	6.38	6.07	5.79	580205	20.17	19.15	18.23	17.39
580617	580417	580817	5-44	3	H2	3	7.27	6.90	6.57	6.26	580206	21.79	20.68	19.69	18.78
580618	580418	580818	6-32	3	H1	3	5.65	5.37	5.11	4.87					
580619	580419	580819	6-32	3	H2	3	5.65	5.37	5.11	4.87					
580620	580420	580820	6-32	3	H3	3	5.32	5.05	4.81	4.59	580207	15.96	15.15	14.42	13.76
580621	580421	580821	6-40	3	H1	3	6.83	6.48	6.17	5.89					
580622	580422	580822	6-40	3	H2	3	6.09	5.78	5.51	5.25	580208	18.25	17.33	16.49	15.74
580623	580423	580823	8-32	4	H1	3	5.65	5.37	5.11	4.87					
580624	580424	580824	8-32	4	H2	3	5.65	5.37	5.11	4.87					
580625	580425	580825	8-32	4	H3	3	5.41	5.14	4.89	4.67	580209	16.23	15.41	14.66	13.99
580626	580426	580826	8-36	4	H2	3	6.17	5.86	5.58	5.32	580210	18.51	17.57	16.72	15.95
580627	580427	580827	10-24	4	H1	3	6.12	5.81	5.53	5.28					
580628	580428	580828	10-24	4	H2	3	6.12	5.81	5.53	5.28					
580629	580429	580829	10-24	4	H3	3	5.85	5.56	5.29	5.05	580211	17.56	16.67	15.87	15.14
580630	580430	580830	10-32	4	H1	3	6.09	5.78	5.51	5.25					
580631	580431	580831	10-32	4	H2	3	6.09	5.78	5.51	5.25					
580632	580432	580832	10-32	4	H3	3	5.85	5.56	5.29	5.05	580212	17.56	16.67	15.87	15.14
580633	580433	580833	12-24	4	H3	3	6.48	6.15	5.86	5.59	580213	19.41	18.43	17.54	16.74
580634	580434	580834	12-28	4	H3	3	6.48	6.15	5.86	5.59	580214	19.41	18.43	17.54	16.74
580635	580435	580835	1/4-20	4	H1	3	6.80	6.46	6.14	5.86					
580636	580436	580836	1/4-20	4	H2	3	6.80	6.46	6.14	5.86					
580637	580437	580837	1/4-20	4	H3	3	6.75	6.39	6.08	5.79	580215	20.25	19.18	18.23	17.36
580638	580438	580838	1/4-20	4	H5	3	6.80	6.46	6.14	5.86					
580639	580439	580839	1/4-28	4	H1	3	6.80	6.46	6.14	5.86					
580640	580440	580840	1/4-28	4	H2	3	6.80	6.46	6.14	5.86					
580641	580441	580841	1/4-28	4	H3	3	6.75	6.39	6.08	5.79	580216	20.25	19.18	18.23	17.36
580642	580442	580842	1/4-28	4	H4	3	6.80	6.46	6.14	5.86					
580643	580443	580843	5/16-18	4	H2	3	7.48	7.10	6.76	6.45					
580644	580444	580844	5/16-18	4	H3	3	7.22	6.84	6.50	6.19	580217	21.65	20.51	19.49	18.56
580645	580445	580845	5/16-18	4	H5	3	7.48	7.10	6.76	6.45					
580646	580446	580846	5/16-24	4	H2	3	7.75	7.35	7.00	6.68					
580647	580447	580847	5/16-24	4	H3	3	6.93	6.58	6.27	5.98	580218	21.65	20.51	19.49	18.56
580648	580448	580848	5/16-24	4	H4	3	7.75	7.35	7.00	6.68					
580649	580449	580849	3/8-16	4	H1	3	9.00	8.54	8.13	7.76					
580650	580450	580850	3/8-16	4	H2	3	9.00	8.54	8.13	7.76					
580651	580451	580851	3/8-16	4	H3	3	8.51	8.07	7.66	7.30	580219	25.56	24.21	23.00	21.90
580652	580452	580852	3/8-16	4	H5	3	9.00	8.54	8.13	7.76					

(continued)



PRICE PER SET (1 each of Taper, Plug, Bottoming)				
ITEM NO.	1 set	3	6	12
580220	24.53	23.29	22.17	21.15
580221	41.56	39.46	37.55	35.83
580222	41.56	39.46	37.55	35.83
580223	44.69	42.34	40.23	38.31
580224	42.91	40.73	38.77	36.99
	1 set	3	6	9
580225	60.47	57.41	54.64	52.13
580226	60.47	57.41	54.64	52.13
580227	68.08	64.63	61.52	58.69
580228	68.08	64.63	61.52	58.69
580229	90.16	85.59	81.47	77.72
580230	90.16	85.59	81.47	77.72
580231	128.49	122.06	116.25	110.97
580232	128.49	122.06	116.25	110.97
580233	159.41	151.44	144.23	137.67
580234	169.84	161.35	153.67	146.68
580235	169.84	161.35	153.67	146.68
	1 set	2	4	6
580237	272.31	258.86	246.68	235.60
580238	272.31	258.86	246.68	235.60
580239	319.43	303.65	289.36	276.36
580240	319.43	303.65	289.36	276.36
580241	541.76	515.33	491.36	469.52
580242	541.76	515.33	491.36	469.52
580243	620.03	589.78	562.35	537.36
580244	620.03	589.78	562.35	537.36

MAGNUM™ Straight Flute Taps – Taper, Plug or Bottoming Styles – METRIC

- Precision ground threads for the ultimate in accuracy and performance.
- Suitable for general machine tapping and CNC tapping, as well as for hand use.
- Straight flute tap is the most common type of tap.
- Available in Taper, Plug, or Bottoming, with Plug style being the most common for general purpose use. (See descriptions on page 60.)
- Also available in a complete 3-piece set, with one each of Taper, Plug, and Bottoming taps of the same size.

TAPER STYLE	PLUG STYLE	BOTTOMING STYLE	SIZE	# OF FLUTES	PKG QTY	UOM: 1EA x PKG QUANTITY			
						3	15	30	60
601401	601351	601451	1.6-0.35	2	3	11.17	10.57	10.04	9.55
601402	601352	601452	1.8-0.35	2	3	11.17	10.57	10.04	9.55
601403	601353	601453	2.0-0.40	3	3	11.17	10.57	10.04	9.55
601404	601354	601454	2.2-0.45	3	3	11.17	10.57	10.04	9.55
601405	601355	601455	2.5-0.45	3	3	6.59	6.24	5.92	5.64
601406	601356	601456	3.0-0.50	3	3	5.75	5.44	5.16	4.92
601407	601357	601457	3.5-0.60	3	3	6.82	6.45	6.13	5.83
601408	601358	601458	4.0-0.70	4	3	6.82	6.45	6.13	5.83
601409	601359	601459	4.5-0.75	4	3	7.00	6.63	6.29	5.99
601410	601360	601460	5.0-0.80	4	3	7.00	6.63	6.29	5.99
601411	601361	601461	6.0-1.00	4	3	5.82	5.51	5.23	4.98
601412	601362	601462	7.0-1.00	4	3	5.82	5.51	5.23	4.98
601413	601363	601463	8.0-1.00	4	3	8.80	8.33	7.91	7.53
601414	601364	601464	8.0-1.25	4	3	8.80	8.33	7.91	7.53
601415	601365	601465	10.0-1.25	4	3	10.24	9.69	9.20	8.76
601416	601366	601466	10.0-1.50	4	3	10.24	9.69	9.20	8.76
601417	601367	601467	12.0-1.25	4	3	15.85	15.01	14.26	13.58
601418	601368	601468	12.0-1.50	4	3	16.07	15.21	14.44	13.75
601419	601369	601469	12.0-1.75	4	3	16.07	15.21	14.44	13.75
						1	5	10	20
601422	601372	601472	14.0-1.50	4	1	\$18.15	\$17.19	\$16.32	\$15.53
601423	601373	601473	14.0-2.00	4	1	18.15	17.19	16.32	15.53
601424	601374	601474	16.0-1.50	4	1	22.30	21.11	20.04	19.07
601425	601375	601475	16.0-2.00	4	1	21.99	20.83	19.79	18.85
601426	601376	601476	18.0-1.50	4	1	29.94	28.35	26.91	25.61
601427	601377	601477	18.0-2.50	4	1	29.94	28.35	26.91	25.61
601428	601378	601478	20.0-1.50	4	1	40.68	38.51	36.56	34.80
601429	601379	601479	20.0-2.50	4	1	40.11	38.00	36.10	34.38
601430	601380	601480	22.0-1.50	4	1	41.76	39.57	37.59	35.80
601431	601381	601481	22.0-2.50	4	1	42.35	40.09	38.06	36.23
601432	601382	601482	24.0-2.00	4	1	54.34	51.44	48.84	46.48
601433	601383	601483	24.0-3.00	4	1	54.34	51.44	48.84	46.48
						1	3	6	9
601436	601386	601486	27.0-2.00	4	1	\$78.79	\$74.59	\$70.81	\$67.40
601437	601387	601487	27.0-3.00	4	1	78.79	74.59	70.81	67.40
601440	601390	601490	30.0-2.00	4	1	114.68	108.56	103.06	98.10
601441	601391	601491	30.0-3.50	4	1	114.68	108.56	103.06	98.10
601444	601394	601494	33.0-2.00	6	1	118.13	111.83	106.16	101.05
601445	601395	601495	33.0-3.50	4	1	118.13	111.83	106.16	101.05
601447	601397	601497	36.0-3.00	4	1	154.07	145.96	138.66	132.06
601448	601398	601498	36.0-4.00	4	1	154.07	145.96	138.66	132.06
601449	601399	601499	39.0-3.00	6	1	241.78	229.22	217.90	207.65
601450	601400	601500	39.0-4.00	6	1	241.78	229.22	217.90	207.65



Taper



Plug



Bottoming



3-piece sets – contact us

LEFT HAND

MAGNUM™ Straight Flute Taps – Taper, Plug or Bottoming Styles – LEFT HAND

- Precision ground threads for the ultimate in accuracy and performance.
- Suitable for general machine tapping and CNC tapping, as well as for hand use.
- Straight flute tap is the most common type of tap.
- Available in Taper, Plug, or Bottoming, with Plug style being the most common for general purpose use. (See descriptions on page 60.)
- Also available in a complete 3-piece set, with one each of Taper, Plug, and Bottoming taps of the same size.

TAPER STYLE	PLUG STYLE	BOTTOMING STYLE	SIZE	PKG QTY	UOM: EA x PACKAGE QUANTITY			
					3	15	30	60
601551	601501	601601	6-32	3	\$9.77	\$9.25	\$8.78	\$8.36
601552	601502	601602	8-32	3	10.63	10.07	9.56	9.10
601553	601503	601603	10-24	3	10.63	10.07	9.56	9.10
601554	601504	601604	10-32	3	10.63	10.07	9.56	9.10
601555	601505	601605	1/4-20	3	10.99	10.41	9.89	9.42
601556	601506	601606	1/4-28	3	11.14	10.55	10.01	9.53
601557	601507	601607	5/16-18	3	12.32	11.67	11.09	10.56
601558	601508	601608	5/16-24	3	12.49	11.83	11.23	10.69
601559	601509	601609	3/8-16	3	16.17	15.31	14.53	13.83
601560	601510	601610	3/8-24	3	15.94	15.11	14.35	13.67
601561	601511	601611	7/16-14	3	23.58	22.32	21.19	20.17
601562	601512	601612	7/16-20	3	23.58	22.32	21.19	20.17
601563	601513	601613	1/2-13	3	27.55	26.08	24.76	23.57
601564	601514	601614	1/2-20	3	27.17	25.74	24.45	23.29
					1	5	10	20
601565	601515	601615	9/16-12	1	\$45.75	\$43.31	\$41.11	\$39.13
601566	601516	601616	9/16-18	1	45.75	43.31	41.11	39.13
601567	601517	601617	5/8-11	1	52.11	49.33	46.84	44.58
601568	601518	601618	5/8-18	1	52.11	49.33	46.84	44.58
601569	601519	601619	11/16-11	1	56.73	53.71	50.99	48.53
601570	601520	601620	11/16-16	1	56.73	53.71	50.99	48.53
601571	601521	601621	3/4-10	1	61.51	58.23	55.28	52.61
601572	601522	601622	3/4-16	1	61.51	58.23	55.28	52.61
601575	601525	601625	7/8-9	1	84.41	79.91	75.86	72.20
601576	601526	601626	7/8-14	1	84.41	79.91	75.86	72.20
601579	601529	601629	1-8	1	92.11	87.20	82.78	78.80
601580	601530	601630	1-12	1	92.11	87.20	82.78	78.80
601581	601531	601631	1-14	1	92.11	87.20	82.78	78.80
					1	3	6	9
601584	601534	601634	1-1/8-7	1	\$229.00	\$216.95	\$206.10	\$196.29
601585	601535	601635	1-1/8-12	1	229.00	216.95	206.10	196.29
601588	601538	601638	1-1/4-7	1	289.07	273.86	260.16	247.77
601589	601539	601639	1-1/4-12	1	289.07	273.86	260.16	247.77
601592	601542	601642	1-3/8-6	1	355.15	336.70	320.07	305.01
601593	601543	601643	1-3/8-12	1	355.15	336.70	320.07	305.01
601596	601546	601646	1-1/2-6	1	413.59	392.10	372.74	355.20
601597	601547	601647	1-1/2-12	1	413.59	392.10	372.74	355.20



Taper



Plug



Bottoming



3-piece sets – contact us

MAGNUM™ Combination Drill & Tap

- Combination drill and taps are ideally suited for on-site tapping in construction, maintenance and repair, assembly, and production environments.
- Hi-Molybdenum tool steel ensures longer tool life.
- The self-centering split point provides excellent drilling precision and accuracy.
- Select sizes are also available with 1/4" Quick Release hex shank.



ITEM NO.	SIZE	MAX. MATERIAL THICKNESS	THREAD LENGTH	PRICE EACH			
				1	5	10	20
737701	4-40	0.368	0.564	\$10.48	\$9.92	\$9.42	\$8.96
737702	4-48	0.369	0.564	11.11	10.52	9.99	9.51
737703	5-40	0.403	0.624	10.48	9.92	9.42	8.96
737704	5-44	0.404	0.624	11.11	10.52	9.99	9.51
737705	6-32	0.468	0.376	10.33	9.79	9.30	8.86
737706	6-40	0.470	0.376	11.11	10.52	9.99	9.51
737707	8-32	0.539	0.376	10.33	9.79	9.30	8.86
737708	8-36	0.540	0.376	10.49	9.93	9.43	8.98
737709	10-24	0.606	0.496	10.35	9.80	9.31	8.87
737710	10-32	0.608	0.496	10.49	9.93	9.43	8.98
737711	12-24	0.677	0.496	10.58	10.01	9.51	9.05
737712	12-28	0.678	0.496	11.42	10.81	10.27	9.77
737713	1/4-20	0.746	0.626	10.72	10.16	9.65	9.19
737714	1/4-28	0.750	0.626	11.25	10.66	10.13	9.64
737715	5/16-18	0.889	0.683	14.51	13.75	13.06	12.44
737716	5/16-24	0.893	0.683	14.63	13.89	13.22	12.61
737717	3/8-16	1.031	0.746	17.56	16.63	15.80	15.05
737718	3/8-24	1.036	0.746	17.53	16.65	15.84	15.11
737719	7/16-14	1.172	0.882	21.71	20.57	19.54	18.61
737720	7/16-20	1.178	0.880	22.36	21.18	20.13	19.17
737721	1/2-13	1.378	0.940	24.51	23.22	22.06	21.01
737722	1/2-20	1.384	0.940	23.85	22.65	21.55	20.56
737723	9/16-12	1.395	0.940	35.82	33.91	32.19	30.64
737724	9/16-18	1.403	0.940	35.82	33.91	32.19	30.64
737725	5/8-11	1.412	0.940	44.96	42.59	40.46	38.54
737726	5/8-18	1.421	0.940	43.16	40.97	39.00	37.21
METRIC				1	5	10	20
773751	3.0-0.50	0.403	0.624	\$10.93	\$10.35	\$9.82	\$9.35
773752	4.0-0.70	0.538	0.376	10.93	10.35	9.82	9.35
773753	5.0-0.80	0.610	0.496	10.93	10.35	9.82	9.35
773754	6.0-1.00	0.746	0.626	10.78	10.21	9.70	9.24
773755	7.0-1.00	0.882	0.686	14.72	13.93	13.23	12.59
773756	8.0-1.25	0.892	0.686	14.51	13.75	13.06	12.44
773757	10.0-1.50	1.037	0.746	17.80	16.85	16.00	15.23
773758	12.0-1.75	1.373	0.942	24.86	23.53	22.34	21.27

MAGNUM™ Combination Drill & Tap Sets

- 6-Piece Set NC & NF (#773741) includes:
- Sizes 6-32, 8-32, 10-24, 10-32, 12-24, & 1/4-20.



ITEM NO.	DESCRIPTION	1	3	6	9
773741	6 piece set NC & NF	\$79.55	\$75.31	\$71.49	\$68.05
773742	7 piece set NC	110.92	105.16	99.96	95.26
773743	7 piece set NF	110.81	105.20	100.13	95.53

7-Piece Set NC (#773742) includes:

- Sizes 8-32, 10-24, 1/4-20, 5/16-18, 3/8-16, 7/16-14, & 1/2-13.



7-Piece Set NF (#773743) includes:

- Sizes 8-36, 10-32, 1/4-28, 5/16-24, 3/8-24, 7/16-20, & 1/2-20.

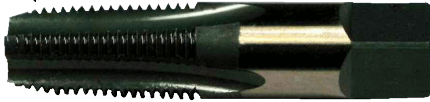


MAGNUM™ Taper Pipe Taps

- Regular-thread NPT taper pipe taps are used for tapping pipe fittings and couplings in a wide variety of materials.

NORSEMAN/CTD
DRILL & TOOL

America's Finest High-Speed Steel Cutting Tools™



ITEM NO.	SIZE NPT	# OF FLUTES	OAL INCHES	SHANK DIA	TAP DRILL SIZE	PKG QTY	UOM: EA x PACK QUANTITY			
							3	15	30	60
601660	1/16-27	4	2-1/8"	.3125	D	3	\$20.49	\$19.41	\$18.44	\$17.56
601663	1/8-27	4	2-1/8	.3125	11/32	3	20.49	19.41	18.44	17.56
601666	1/8-27	4	2-1/8	.4375	11/32	3	20.49	19.41	18.44	17.56
							1	5	10	20
601669	1/4-18	4	2-7/16	.5625	7/16	3	\$23.26	\$22.04	\$20.94	\$19.94
601672	3/8-18	4	2-9/16	.7000	37/64	1	29.79	28.22	26.81	25.54
601675	1/2-14	4	3-1/8	.6875	23/32	1	49.35	46.75	44.41	42.30
601678	3/4-14	5	3-1/4	.9063	59/64	1	54.86	51.97	49.38	47.02
601681	1 - 11-1/2	5	3-3/4	1.1250	1-5/32	1	54.47	51.61	49.03	46.69
							1	2	4	6
601684	1-1/4 - 11-1/2	5	4	1.3125	1-1/2	1	\$115.44	\$109.44	\$104.04	\$99.14
601687	1-1/2 - 11-1/2	7	4-1/4	1.5000	1-47/64	1	158.37	150.14	142.73	136.01
601690	2 - 11-1/2	7	4-1/2	1.8750	2-7/32	1	207.13	196.65	187.17	178.56

MAGNUM™ Hex Dies

- Special Hi-Molybdenum tool steel, polished gold finish with black surface treated threads for long life.
- The outside hex configuration allows both wrench and die stock use in threading.



ITEM NO.	SIZE	ACROSS FLATS	PKG QTY	UOM: EA x PACK QUANTITY			
				3	15	30	60
601700	4-40	1"	3	\$8.18	\$7.75	\$7.35	\$7.00
601701	6-32	1"	3	8.07	7.64	7.26	6.92
601702	8-32	1"	3	8.18	7.75	7.35	7.00
601703	10-24	1"	3	8.07	7.64	7.26	6.92
601704	10-32	1"	3	8.18	7.75	7.35	7.00
601705	12-24	1"	3	8.18	7.75	7.35	7.00
601706	1/4-20	1"	3	8.07	7.64	7.26	6.92
601707	1/4-28	1"	3	8.07	7.64	7.26	6.92
601708	5/16-18	1"	3	8.07	7.64	7.26	6.92
601709	5/16-24	1"	3	8.18	7.75	7.35	7.00
601710	3/8-16	1"	3	8.07	7.64	7.26	6.92
601711	3/8-24	1"	3	8.07	7.64	7.26	6.92
601712	7/16-14	1"	3	8.07	7.64	7.26	6.92
601713	7/16-20	1"	3	8.18	7.75	7.35	7.00
601714	1/2-13	1"	3	8.46	8.01	7.61	7.25
601715	1/2-20	1"	3	8.46	8.01	7.61	7.25
				1	5	10	20
601716	9/16-12	1-7/16"	1	\$18.48	\$17.49	\$16.61	\$15.81
601717	9/16-18	1-7/16"	1	18.48	17.49	16.61	15.81
601718	5/8-11	1-7/16"	1	18.22	17.26	16.40	15.62
601719	5/8-18	1-7/16"	1	18.22	17.26	16.40	15.62
601720	3/4-10	1-7/16"	1	18.22	17.26	16.40	15.62
601721	3/4-16	1-7/16"	1	18.22	17.26	16.40	15.62

Pipe Thread

ITEM NO.	PIPE THREAD SIZE	ACROSS FLATS	PKG QTY	PRICE EACH			
				1	3	15	30
601780	1/8-27NPT	1"	1	N/A	\$8.46	\$8.01	\$7.61
				1	5	10	20
601783	1/4-18NPT	1-7/16	1	18.22	17.26	16.40	15.62

Metric

ITEM NO.	METRIC SIZE	ACROSS FLATS	PKG QTY	UOM: EA x PACKAGE QUANTITY			
				3	15	30	60
601740	3.0-0.50	1"	3	\$9.92	\$9.39	\$8.91	\$8.48
601743	3.5-0.60	1"	3	9.92	9.39	8.91	8.48
601746	4.0-0.70	1"	3	10.38	9.83	9.33	8.88
601749	5.0-0.80	1"	3	10.38	9.83	9.33	8.88
601752	6.0-1.00	1"	3	10.38	9.83	9.33	8.88
601755	8.0-1.25	1"	3	10.72	10.16	9.65	9.19
601758	10.0-1.50	1"	3	10.87	10.29	9.77	9.30
601761	12.0-1.75	1-7/16"	1	10.87	10.29	9.77	9.30
				1	5	10	20
601764	14.0-1.50	1-7/16	1	\$23.17	\$21.93	\$20.82	\$19.82

Hi-Carbon 40-Piece Tap & Die Set

- Straight flute plug taps and choice of hex dies or round dies.

Set contains:

- Taps and dies in sizes 4-40, 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13, 1/2-20
- Pipe tap and die in size 1/8-27 NPT
- Professional quality tap & reamer wrench
- T-Handle tap wrenches: 0 to 1/4" & 3/16" to 1/2"
- Professional quality adjustable die stock, screw pitch gauge, and screw driver.
- Supplied in a sturdy plastic case (may be red or black).



ITEM NO.	DESCRIPTION	1 set	3	6	9
602219	40-pc set HEX DIES	\$160.85	\$152.38	\$144.76	\$137.87
602218	40-pc set ROUND DIES	152.81	144.76	137.53	130.98

Hi-Carbon Taps & Dies

- A less expensive line of taps and dies made of high quality carbon tool steel meeting the highest industry standard
- General-purpose applications like hand-tapping and rethreading
- Sharp, clean cutting edges, hardened, and tempered to cut smooth threads

Hi-Carbon 24-Piece Tap & Die Set

- Straight flute plug taps and choice of hex dies or round dies.

Set contains:

- Taps and dies in sizes 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13, 1/2-20
- Pipe tap and die in size 1/8-27 NPT
- T-Handle tap wrench and economy die stock.
- Supplied in a sturdy plastic case (may be red or black).



ITEM NO.	DESCRIPTION	1 set	4	8	12
602210	24-pc set HEX DIES	\$104.21	\$98.65	\$93.66	\$89.14
602209	24-pc set ROUND DIES	98.77	93.51	88.77	84.49

Hi-Carbon 37-Piece Tap & Die Set

- Straight flute plug taps and choice of hex dies or round dies.

Set contains:

- Taps and dies in sizes 4-40, 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13, 1/2-20
- Pipe tap and die in size 1/8-27 NPT
- T-Handle tap wrenches: 0 to 1/4" & 3/16" to 1/2"
- Economy die stock.
- Supplied in a sturdy plastic case (may be red or black).



ITEM NO.	DESCRIPTION	1 set	3	6	9
602214	37-pc set HEX DIES	\$136.16	\$129.09	\$122.72	\$116.94
602213	37-pc set ROUND DIES	126.90	120.31	114.37	108.99

Hi-Carbon 16-Piece Tap & Die Set

- Straight flute plug taps and choice of hex dies or round dies.

Set contains:

- Taps and dies in sizes 4-40, 6-32, 8-32, 10-24, 10-32, 12-24, & 1/4-20
- T-Handle tap wrench and economy die stock.
- Plastic case.



ITEM NO.	DESCRIPTION	1 set	4	8	12
602206	16-pc set HEX DIES	\$58.92	\$55.77	\$52.95	\$50.40
602205	16-pc set ROUND DIES	55.73	52.76	50.09	47.67

Hi-Carbon 14-Piece Tap & Die Set

- Straight flute plug taps and choice of hex dies or round dies.
- Set contains:
 - Taps and dies in sizes 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13
 - Pipe tap and die in size 1/8-27 NPT
 - T-Handle tap wrench and economy die stock.
- Supplied in a sturdy plastic case (may be red or black).



ITEM NO.	DESCRIPTION	1 set	4	8	12
602202	14-pc set HEX DIES	\$61.21	\$57.99	\$55.09	\$52.46
602201	14-pc set ROUND DIES	59.79	56.60	53.73	51.14

Hi-Carbon 37-Piece Tap & Die Set – METRIC

- Straight flute plug taps and hex dies.
- Set contains:
 - Taps and dies in sizes 3mm-.50, 3mm-.60, 4mm-.70, 4mm-.75, 5mm-.80, 5mm-.90, 6mm-1.00, 7mm-1.00, 8mm-1.25, 9mm-1.00, 9mm-1.25, 10mm-1.25, 10mm-1.50, 11mm-1.50, 12mm-1.50, 12mm-1.75
 - Pipe tap and die in size 1/8-27 NPT
 - T-Handle tap wrenches: 0 to 1/4" & 3/16" to 1/2"
 - Die stock.
- Supplied in a sturdy plastic case (may be red or black).



ITEM NO.	DESCRIPTION	1 set	3	6	9
602279	37-pc METRIC	\$132.21	\$125.34	\$119.15	\$113.54

Hi-Carbon 16-Piece Tap & Die Set – METRIC

- Straight flute plug taps and hex dies.
- Set contains:
 - Taps and dies in sizes 4mm-.70, 5mm-.80, 6mm-1.00, 8mm-1.25, 10mm-1.25, 10mm-1.50, 12mm-1.50
 - T-Handle tap wrench and economy die stock.
- Supplied in a sturdy plastic case (may be red or black).



ITEM NO.	DESCRIPTION	1 set	3	6	12
602278	16-pc METRIC	\$62.52	\$59.19	\$56.19	\$53.48

Hi-Carbon 14-Piece Tap & Die Set – FINE THREAD

- Straight flute plug taps and choice of hex dies or round dies.
- Set contains:
 - Taps and dies in sizes 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20
 - Pipe tap and die in size 1/8-27 NPT
 - T-Handle tap wrench and economy die stock.
- Supplied in a sturdy plastic case (may be red or black).



ITEM NO.	DESCRIPTION	1 set	4	8	12
602199	14-pc set FINE – HEX DIES	\$62.07	\$58.76	\$55.78	\$53.10
602198	14-pc set FINE – ROUND DIES	59.79	56.60	53.73	51.14

Hi-Carbon 60-Piece Tap & Die Set – Fractional & Metric

- Plug taps and hex dies.
- Set contains:
 - Taps and dies in sizes 4-40, 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-16, 7/16-20, 1/2-13, 1/2-20; 3mm-.50, 4mm-.70, 5mm-.80, 6mm-1.00, 7mm-1.00, 8mm-1.25, 9mm-1.25, 10mm-1.00, 10mm-1.50, 12mm-1.75
 - Pipe tap and die in size 1/8-27 NPT
 - Die-stock with adjustable guide
 - Adjustable tap wrench
 - T-Handle tap wrench
 - Screw pitch gauges (inch & metric) and screwdriver.
- Supplied in a custom made blow plastic case.

ALFA
TOOLS



ITEM NO.	DESCRIPTION	1 set	3	6	12
708810	60-pc fractional & metric	\$160.77	\$152.42	\$144.89	\$138.07

- IRWIN HANSON® has been manufacturing High Carbon Steel threading tools for over 100 years, and has proven itself to be a brand you can trust.
- Performance, thread quality, durability, and ease of use — proven for over a century. USA-made.

Hi-Carbon 66-Piece Tap & Die Set

- Straight flute plug taps and hex dies.

Set contains:

- Taps and dies in sizes 4-40, 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13, 1/2-20, 9/16-12, 9/16-18, 5/8-11, 5/8-18, 3/4-10, 3/4-16, 7/8-9, 7/8-14, 1"-8, 1"-14
- Pipe taps and dies in sizes 1/8-27 NPT, 1/4-18 NPT
- Plain die stock for 5/8" hexagon dies, adjustable die stock for 1" dies
- Adjustable die stock for 1-7/16" hexagon dies, adjustable die stock for 1-13/16" hexagon dies
- T-Handle tap wrench 0 to 1/4"
- Adjustable handle tap wrenches: 0 to 1/2", 1/4" to 1"
- Two-in-one tap wrench 1/4" to 1/2"
- 18 leaf standard thread pitch gauge.
- Supplied in sturdy plastic cases.



ITEM NO.	DESCRIPTION	1 set	2	3	4
602633	66-piece set	\$522.69	\$494.81	\$469.76	\$447.12

Hi-Carbon 66-Piece Tap & Die Set

— METRIC

- Straight flute plug taps and hex dies.

Set contains:

- Taps and dies in sizes 3mm-.50, 4-.70, 4-.75, 5-.80, 5-.90, 6-1.00, 7-1.00, 8-1.00, 8-1.25, 9-1.00, 9-1.25, 10-1.25, 10-1.50, 11-1.50, 12-1.50, 12-1.75, 14-1.25, 14-1.50, 14-2.00, 16-1.50, 16-2.00, 18-1.50, 18-2.50, 20-2.50, 22-1.50, 24-2.00, 24-3.00
- Pipe tap and die in size 1/8-28 BSP
- Plain die stock for 5/8" hexagon dies, adjustable die stock for 1" dies, adjustable die stock for 1-7/16" hexagon dies, adjustable die stock for 1-13/16" hexagon dies
- T-Handle tap wrench 0 to 1/4"
- Adjustable handle tap wrenches: 0 to 1/2", 1/4" to 1"
- Two-in-one tap wrench 1/4" to 1/2"
- 16 leaf metric thread pitch gauge.
- Supplied in sturdy plastic cases.

ITEM NO.	DESCRIPTION	1 set	2	3	4
602630	66-piece set METRIC	\$522.69	\$494.81	\$469.76	\$447.12

Hi-Carbon 53-Piece Tap & Die Set

- Straight flute plug taps and hex dies.

Set contains:

- Taps and dies in sizes 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13, 1/2-20, 9/16-12, 9/16-18, 5/8-11, 5/8-18, 3/4-10, 3/4-16
- Pipe taps and dies in sizes 1/8-27 NPT, 1/4-18 NPT
- 1" adjustable die stock, 1-7/16" adjustable die stock
- T-Handle tap wrench 0 to 1/4"
- Adjustable handle tap wrenches: 0 to 1/2", 1/4" to 1"
- 18 leaf standard thread pitch gauge
- Supplied in a sturdy plastic case.



ITEM NO.	DESCRIPTION	1 set	2	4	6
602625	53-piece set	\$297.17	\$281.11	\$266.69	\$253.68
602628	53 Pc METRIC Set, 3.0-.50 - 18.0-2.50mm	320.33	303.01	287.47	273.45

Hi-Carbon 25-Piece Tap & Die Set

- Straight flute plug taps and hex dies.

Set contains:

- Taps and dies in sizes 9/16-12, 9/16-18, 5/8-11, 5/8-18, 3/4-10, 3/4-16, 7/8-9, 7/8-14, 1"-8, 1"-14
- Pipe tap and die in size 1/4-18 NPT
- Adjustable die stocks: 1-7/16" hexagon, 1-13/16" hexagon
- Adjustable handle tap wrench: 1/4" to 1".
- Supplied in a sturdy plastic case.



ITEM NO.	DESCRIPTION	1 set	2	4	6
602610	25-piece set	\$370.27	\$350.26	\$332.29	\$316.09

Hi-Carbon Straight Flute Taps

- Hi-Carbon is a less expensive line of taps made of high quality carbon tool steel meeting the highest industry standard.
- General-purpose applications like hand-tapping and rethreading.
- Sharp, clean cutting edges, hardened, and tempered to cut smooth threads.



See descriptions of styles on Page 60. Plug style (pictured) is most popular.

TAPER STYLE	PLUG STYLE	BOTTOMING STYLE	SIZE	PKG QTY	UOM: EA x PACK QUANTITY			
					3	15	30	60
602051	602001	602101	0-80	3	\$3.61	\$3.41	\$3.24	\$3.08
602052	602002	602102	1-64	3	3.42	3.24	3.08	2.93
602053	602003	602103	1-72	3	3.42	3.24	3.08	2.93
602054	602004	602104	2-56	3	3.23	3.05	2.90	2.76
602055	602005	602105	2-64	3	3.23	3.05	2.90	2.76
602056	602006	602106	3-48	3	3.23	3.05	2.90	2.76
602057	602007	602107	3-56	3	3.23	3.05	2.90	2.76
602058	602008	602108	4-36	3	1.63	1.55	1.47	1.40
602059	602009	602109	4-40	3	1.63	1.55	1.47	1.40
602060	602010	602110	5-40	3	1.63	1.55	1.47	1.40
602061	602011	602111	6-32	3	1.72	1.63	1.54	1.47
602062	602012	602112	6-40	3	1.72	1.63	1.54	1.47
602063	602013	602113	6-48	3	1.72	1.63	1.54	1.47
602064	602014	602114	8-32	3	1.72	1.63	1.54	1.47
602065	602015	602115	8-36	3	1.72	1.63	1.54	1.47
602066	602016	602116	8-40	3	1.72	1.63	1.54	1.47
602067	602017	602117	10-24	3	1.83	1.73	1.65	1.57
602068	602018	602118	10-32	3	1.83	1.73	1.65	1.57
602069	602019	602119	12-24	3	1.89	1.79	1.70	1.61
602070	602020	602120	12-28	3	1.89	1.79	1.70	1.61
602071	602021	602121	14-20	3	2.10	1.99	1.89	1.80
602072	602022	602122	3/16-24	3	1.83	1.73	1.65	1.57
602073	602023	602123	3/16-32	3	1.83	1.73	1.65	1.57
602074	602024	602124	1/4-20	3	1.81	1.71	1.63	1.55
602075	602025	602125	1/4-28	3	1.81	1.71	1.63	1.55
602076	602026	602126	5/16-18	3	2.38	2.25	2.14	2.04
602077	602027	602127	5/16-24	3	2.41	2.28	2.16	2.06
602078	602028	602128	3/8-16	3	2.93	2.78	2.64	2.51
602079	602029	602129	3/8-24	3	2.97	2.81	2.67	2.54
602080	602030	602130	7/16-14	3	3.18	3.01	2.86	2.73
602081	602031	602131	7/16-20	3	3.18	3.01	2.86	2.73
602082	602032	602132	1/2-13	3	3.61	3.42	3.25	3.10
602083	602033	602133	1/2-20	3	3.66	3.47	3.29	3.13
					1	5	10	20
602084	602034	602134	9/16-12	1	\$5.31	\$5.03	\$4.77	\$4.54
602085	602035	602135	9/16-18	1	5.31	5.03	4.77	4.54
602086	602036	602136	5/8-11	1	6.25	5.92	5.63	5.36
602087	602037	602137	5/8-18	1	6.34	6.00	5.70	5.42
602088	602038	602138	11/16-11	1	8.23	7.79	7.39	7.04
602089	602039	602139	11/16-16	1	8.23	7.79	7.39	7.04
602090	602040	602140	3/4-10	1	8.24	7.80	7.41	7.06
602091	602041	602141	3/4-16	1	8.35	7.91	7.51	7.14
602092	602042	602142	7/8-9	1	11.03	10.44	9.91	9.43
602093	602043	602143	7/8-14	1	11.03	10.44	9.91	9.43
602094	602044	602144	1-8	1	13.66	12.93	12.28	11.69
602095	602045	602145	1-12	1	13.66	12.93	12.28	11.69
602096	602046	602146	1-14	1	13.66	12.93	12.28	11.69

PRICE PER SET (1 each of Taper, Plug, Bottoming)				
ITEM NO.	1 set	5	10	20
N/A				
N/A				
N/A				
N/A				
N/A				
N/A				
602158	4.90	4.64	4.41	4.19
602159	4.90	4.64	4.41	4.19
602160	4.90	4.64	4.41	4.19
602161	5.01	4.75	4.51	4.29
602162	5.01	4.75	4.51	4.29
602163	5.01	4.75	4.51	4.29
602164	5.20	4.92	4.67	4.45
602165	5.20	4.92	4.67	4.45
602166	5.20	4.92	4.67	4.45
602167	5.52	5.23	4.96	4.72
602168	5.52	5.23	4.96	4.72
602169	5.76	5.45	5.18	4.93
602170	5.76	5.45	5.18	4.93
602171	6.28	5.95	5.65	5.37
602172	5.52	5.23	4.96	4.72
602173	5.52	5.23	4.96	4.72
602174	5.52	5.23	4.96	4.72
602175	5.52	5.23	4.96	4.72
602176	7.44	7.04	6.68	6.36
602177	7.44	7.04	6.68	6.36
602178	9.31	8.81	8.37	7.96
602179	9.31	8.81	8.37	7.96
602180	10.11	9.57	9.09	8.65
602181	10.11	9.57	9.09	8.65
602182	11.85	11.21	10.65	10.13
602183	11.85	11.21	10.65	10.13
ITEM NO.	1 set	3	6	9
602184	15.94	15.09	14.33	13.64
602185	15.94	15.09	14.33	13.64
602186	19.13	18.11	17.19	16.36
602187	19.13	18.11	17.19	16.36
602188	24.79	23.47	22.28	21.20
602189	24.79	23.47	22.28	21.20
602190	25.03	23.69	22.49	21.41
602191	25.03	23.69	22.49	21.41
602192	33.08	31.32	29.73	28.30
602193	33.08	31.32	29.73	28.30
602194	40.93	38.75	36.78	35.01
602195	40.93	38.75	36.78	35.01
602196	40.93	38.75	36.78	35.01

Hi-Carbon Straight Flute Taps

- METRIC



• Plug style.

ITEM NO.	SIZE	# OF FLUTES	PKG QTY	UOM: EA x PACKAGE QUANTITY			
				3	15	30	60
602251	3-0.50	3	3	\$2.13	\$2.01	\$1.91	\$1.82
602252	3-0.60	3	3	2.13	2.01	1.91	1.82
602253	4-0.70	4	3	1.99	1.88	1.79	1.70
602254	4-0.75	4	3	2.01	1.91	1.81	1.72
602255	5-0.80	4	3	1.89	1.79	1.70	1.62
602256	5-0.90	4	3	1.92	1.81	1.72	1.64
602257	6-1.00	4	3	2.28	2.16	2.05	1.95
602258	7-1.00	4	3	2.45	2.32	2.20	2.10
602259	8-1.00	4	3	2.53	2.39	2.28	2.17
602260	8-1.25	4	3	2.53	2.39	2.28	2.17
602261	9-1.00	4	3	3.15	2.99	2.84	2.70
602262	9-1.25	4	3	3.15	2.99	2.84	2.70
602263	10-1.00	4	3	3.51	3.33	3.16	3.01
602264	10-1.25	4	3	3.51	3.33	3.16	3.01
602265	10-1.50	4	3	3.51	3.33	3.16	3.01
602266	11-1.50	4	3	3.68	3.48	3.30	3.14
602267	12-1.25	4	3	4.28	4.05	3.85	3.67
602268	12-1.50	4	3	4.28	4.05	3.85	3.67
602269	12-1.75	4	3	4.28	4.05	3.85	3.67
				1	5	10	20
602270	14-1.25	4	1	5.69	5.39	5.13	4.88
602271	14-1.50	4	1	5.69	5.39	5.13	4.88
602272	14-2.00	4	1	5.69	5.39	5.13	4.88
602273	16-1.50	4	1	6.86	6.50	6.18	5.88
602274	16-2.00	4	1	6.86	6.50	6.18	5.88
602275	18-1.50	4	1	8.66	8.20	7.78	7.41
602276	18-2.00	4	1	8.66	8.20	7.78	7.41
602277	18-2.50	4	1	8.66	8.20	7.78	7.41

Hi-Carbon Dies - METRIC

NORSEMAN/CTD
DRILL & TOOL
America's Finest High-Speed Steel Cutting Tools™



ITEM NO.	METRIC SIZE	ACROSS FLATS	PKG QTY	UOM: EA x PACK QUANTITY			
				3	15	30	60
602351	3.0-0.50	1"	3	\$3.03	\$2.87	\$2.72	\$2.59
602352	3.0-0.60	1"	3	3.03	2.87	2.72	2.59
602353	4.0-0.70	1"	3	2.48	2.35	2.23	2.12
602354	4.0-0.75	1"	3	2.48	2.35	2.23	2.12
602355	5.0-0.80	1"	3	2.48	2.35	2.23	2.12
602356	5.0-0.90	1"	3	2.48	2.35	2.23	2.12
602357	6.0-1.00	1"	3	2.44	2.32	2.20	2.10
602358	7.0-1.00	1"	3	2.66	2.52	2.39	2.28
602359	8.0-1.00	1"	3	2.66	2.52	2.39	2.28
602360	8.0-1.25	1"	3	2.66	2.52	2.39	2.28
602361	9.0-1.00	1"	3	2.66	2.52	2.39	2.28
602362	9.0-1.25	1"	3	2.66	2.52	2.39	2.28
602363	10.0-1.00	1"	3	2.66	2.52	2.39	2.28
602364	10.0-1.25	1"	3	2.63	2.49	2.36	2.25
602365	10.0-1.50	1"	3	2.66	2.52	2.39	2.28
602366	11.0-1.50	1"	3	2.66	2.52	2.39	2.28
602367	12.0-1.25	1"	3	2.63	2.49	2.36	2.25
602368	12.0-1.50	1"	3	2.66	2.52	2.39	2.28
602369	12.0-1.75	1"	3	2.63	2.49	2.36	2.25
				1	5	10	20
602370	14.0-1.25	1-7/16"	1	\$7.04	\$6.67	\$6.33	\$6.02
602371	14.0-1.50	1-7/16"	1	6.94	6.58	6.25	5.95
602372	14.0-2.00	1-7/16"	1	7.04	6.67	6.33	6.02
602373	16.0-1.50	1-7/16"	1	6.94	6.58	6.25	5.95
602374	16.0-2.00	1-7/16"	1	6.94	6.58	6.25	5.95
602375	18.0-1.50	1-7/16"	1	6.94	6.58	6.25	5.95
602376	18.0-2.00	1-7/16"	1	7.04	6.67	6.33	6.02
602377	18.0-2.50	1-7/16"	1	7.04	6.67	6.33	6.02

Hi-Carbon Pipe Taps & Dies



ITEM NO.	PIPE THREAD SIZE	ACROSS FLATS	PKG QTY	UOM: EA x PACK QUANTITY			
				3	15	30	60
602335	1/8-27NPT	1"	3	2.87	2.72	2.58	2.46
602336	1/4-18NPT	1"	3	2.87	2.72	2.58	2.46
				1	5	10	20
602337	3/8-18NPT	1-7/16	1	5.61	5.32	5.05	4.81
602338	1/2-14NPT	1-5/8	1	6.72	6.37	6.05	5.76
602339	3/4-14NPT	2	1	10.13	9.59	9.11	8.68
602340	1-11-1/2NPT	2-3/8	1	14.99	14.20	13.49	12.85



ITEM NO.	SIZE NPT	# OF FLUTES	SHANK DIA.	TAP DRILL SIZE	PKG QTY	UOM: EA x PACK QUANTITY			
						3	15	30	60
602281*	1/8-27	4	5/16"	11/32"	3	\$3.86	\$3.66	\$3.48	\$3.31
602282*	1/4-18	4	7/16	7/16	3	5.03	4.76	4.53	4.31
						1	5	10	20
602283	3/8-18	4	1/2"	37/64"	1	6.28	5.95	5.65	5.38
602284	1/2-14	4	1/2	23/32	1	13.26	12.57	11.94	11.37
602285	3/4-14	4	5/8	59/64	1	14.15	13.41	12.74	12.13
602286	1" - 11-1/2	5	13/16	1-5/32	1	24.94	23.63	22.45	21.38
						1	3	6	9
602287	1-1/4 - 11-1/2	5	1"	1-1/2	1	39.67	37.58	35.70	34.00
602288	1-1/2 - 11-1/2	7	1-1/4"	1-47/64	1	53.57	50.75	48.21	45.92
602289	2" - 11-1/2	7	1-3/8"	2-7/32	1	106.06	100.40	95.32	90.72

* also available carded

Hi-Carbon Dies

- Hi-Carbon is a less expensive line of dies made of high quality carbon tool steel meeting the highest industry standard.
- Primarily used for restoring damaged threads.



ITEM NO.	SIZE	ACROSS FLATS	PKG QTY	UOM: EA x PACK QUANTITY			
				3	15	30	60
602301	#4-40	1"	3	\$2.87	\$2.72	\$2.58	\$2.46
602302	4-36	1"	3	2.87	2.72	2.58	2.46
602303	5-40	1"	3	2.87	2.72	2.58	2.46
602304	6-32	1"	3	2.87	2.72	2.58	2.46
602305	8-32	1"	3	2.87	2.72	2.58	2.46
602306	10-24	1"	3	2.87	2.72	2.58	2.46
602307	10-32	1"	3	2.87	2.72	2.58	2.46
602308	12-24	1"	3	2.87	2.72	2.58	2.46
602309	14-20	1"	3	2.87	2.72	2.58	2.46
602310	3/16"-24	1"	3	2.87	2.72	2.58	2.46
602311	3/16-32	1"	3	2.87	2.72	2.58	2.46
602312	1/4-20	1"	3	2.87	2.72	2.58	2.46
602313	1/4-28	1"	3	2.87	2.72	2.58	2.46
602314	5/16-18	1"	3	2.83	2.68	2.55	2.43
602315	5/16-24	1"	3	2.87	2.72	2.58	2.46
602316	3/8-16	1"	3	2.83	2.68	2.55	2.43
602317	3/8-24	1"	3	2.83	2.68	2.55	2.43
602318	7/16-14	1"	3	2.83	2.68	2.55	2.43
602319	7/16-20	1"	3	2.87	2.72	2.58	2.46
602320	1/2-13	1"	3	2.83	2.68	2.55	2.43
602321	1/2-20	1"	3	2.83	2.68	2.55	2.43
				1	5	10	20
602322	9/16-12	1-7/16"	1	7.44	7.04	6.68	6.36
602323	9/16-18	1-7/16"	1	7.33	6.95	6.60	6.29
602324	5/8-11	1-7/16"	1	7.33	6.95	6.60	6.29
602325	5/8-18	1-7/16"	1	7.33	6.95	6.60	6.29
602326	11/16-11	1-7/16"	1	7.44	7.04	6.68	6.36
602327	11/16-16	1-7/16"	1	7.44	7.04	6.68	6.36
602328	3/4-10	1-7/16"	1	7.33	6.95	6.60	6.29
602329	3/4-16	1-7/16"	1	7.33	6.95	6.60	6.29
602330	7/8-9	1-5/8"	1	15.01	14.21	13.49	12.84
602331	7/8-14	1-5/8"	1	15.01	14.21	13.49	12.84
602332	1-8	1-13/16"	1	16.80	15.91	15.10	14.37
602333	1-12	1-13/16"	1	16.80	15.91	15.10	14.37
602334	1-14	1-13/16"	1	16.80	15.91	15.10	14.37

Hi-Carbon Dies – Larger Sizes



ITEM NO.	SIZE	ACROSS FLATS	PKG QTY	UOM: EA x PACK QUANTITY			
				1	3	6	9
014043	1-1/8"-7	2"	1	\$32.16	\$30.38	\$28.78	\$27.34
014044	1-1/8-12	2"	1	32.16	30.38	28.78	27.34
014047	1-1/4-7	2-3/16"	1	37.31	35.24	33.38	31.71
014048	1-1/4-12	2-3/16"	1	37.31	35.24	33.38	31.71
014051	1-3/8-6	2-3/8"	1	42.22	39.88	37.78	35.89
014052	1-3/8-12	2-3/8"	1	42.22	39.88	37.78	35.89
014055	1-1/2-6	2-9/16"	1	46.91	44.31	41.97	39.88
014056	1-1/2-12	2-9/16"	1	44.31	41.97	39.88	37.98

Hi-Carbon Adjustable Round Dies



- Adjustable dies have a recessed adjusting screw so threads can be cut slightly undersize or oversize.
- Made of high quality carbon tool steel to meet the highest industry standards.

ITEM NO.	SIZE	O.D.	PKG QTY	UOM: EA x PACK QUANTITY			
				3	15	30	60
602382	0-80	1"	3	\$8.06	\$7.63	\$7.24	\$6.89
602383	1-64	1"	3	8.06	7.63	7.24	6.89
602384	1-72	1"	3	8.06	7.63	7.24	6.89
602385	2-56	1"	3	8.06	7.63	7.24	6.89
602386	2-64	1"	3	8.06	7.63	7.24	6.89
602387	3-48	1"	3	8.06	7.63	7.24	6.89
602388	3-56	1"	3	8.06	7.63	7.24	6.89
602389	4-40	1"	3	5.72	5.41	5.14	4.89
602390	4-36	1"	3	5.72	5.41	5.14	4.89
602391	5-40	1"	3	5.72	5.41	5.14	4.89
602392	6-32	1"	3	5.72	5.41	5.14	4.89
602393	8-32	1"	3	5.72	5.41	5.14	4.89
602394	10-24	1"	3	5.72	5.41	5.14	4.89
602395	10-32	1"	3	5.72	5.41	5.14	4.89
602396	12-24	1"	3	5.72	5.41	5.14	4.89
602397	14-20	1"	3	5.72	5.41	5.14	4.89
602398	3/16-24	1"	3	5.72	5.41	5.14	4.89
602399	3/16-32	1"	3	5.72	5.41	5.14	4.89
602400	1/4"-20	1"	3	5.72	5.41	5.14	4.89
602401	1/4-28	1"	3	5.72	5.41	5.14	4.89
602402	5/16-18	1"	3	5.72	5.41	5.14	4.89
602403	5/16-24	1"	3	5.72	5.41	5.14	4.89
602404	3/8-16	1"	3	5.72	5.41	5.14	4.89
602405	3/8-24	1"	3	5.72	5.41	5.14	4.89
602406	7/16-14	1"	3	5.72	5.41	5.14	4.89
602407	7/16-20	1"	3	5.72	5.41	5.14	4.89
602408	1/2-13	1"	3	5.64	5.34	5.08	4.83
602409	1/2-20	1"	3	5.72	5.41	5.14	4.89
				1	5	10	20
602410	9/16-12	1-1/2	1	\$8.74	\$8.28	\$7.86	\$7.49
602411	9/16-18	1-1/2	1	8.74	8.28	7.86	7.49
602412	5/8-11	1-1/2	1	8.74	8.28	7.86	7.49
602413	5/8-18	1-1/2	1	8.86	8.39	7.96	7.58
602414	11/16-11	2	1	14.93	14.13	13.42	12.77
602415	11/16-16	1-1/2	1	14.93	14.13	13.42	12.77
602416	3/4-10	2	1	14.72	13.95	13.25	12.62
602417	3/4-16	2	1	14.93	14.13	13.42	12.77
602418	7/8-9	2	1	14.72	13.95	13.25	12.62
602419	7/8-14	2	1	14.93	14.13	13.42	12.77
602420	1-8	2	1	14.93	14.13	13.42	12.77
602421	1-12	2	1	14.93	14.13	13.42	12.77
602422	1-14	2	1	14.93	14.13	13.42	12.77
				3	15	30	60
602425	1/8-27 NPT	1	3	\$5.72	\$5.41	\$5.14	\$4.89
602426	1/4-18 NPT	1-1/2	3	5.72	5.41	5.14	4.89
				1	5	10	20
602427	3/8-18 NPT	1-1/2	1	\$8.86	\$8.39	\$7.96	\$7.58
602428	1/2-14 NPT	1-1/2	1	8.86	8.39	7.96	7.58

252-Piece Tap & Die Countertop Display Hi-Carbon Straight Flute Taps & Hex Dies

- Compact metal case attractively displays complete assortment of Taps, Dies, and Wrenches.
- Locking scratch proof Lexan front reduces pilferage and keeps merchandise clean.
- Broad range of sizes. Practically all customers can be served with a relatively small investment.
- Price strips furnished on each display for quick reference at point of sale
- Furnished with Hex or Round Dies



ITEM NO.	DESCRIPTION	1	2
602500	252 pc. tap & die display (hex dies)	\$983.96	\$938.20

Display Contents

Contents	Size	No. of Each
Plug Tap	1/4-20 NC	6
	1/4-28 NF	6
	5/16-18 NC	6
	5/16-24 NF	6
	3/8-16 NC	6
	3/8-24 NF	6
	7/16-14 NC	6
	7/16-20 NF	6
	1/2-13 NC	6
	1/2-20 NF	6
	9/16-12 NC	6
	9/16-18 NF	6
	5/8-11 NC	6
	5/8-18 NF	6
	3/4-10 NC	6
	3/4-16 NF	6
	4-40 NC	12
	6-32 NC	12
	8-32 NC	12
	10-24 NC	12
	10-32 NF	12
	12-24 NC	12
Pipe Tap	1/8-27 NPT	6
Round or Hex Die	1/4-20 NC	3
	1/4-28 NF	3
	5/16-18 NC	3
	5/16-24 NF	3
	3/8-16 NC	3
	3/8-24 NF	3
	7/16-14 NC	3
	7/16-20 NF	3
	1/2-13 NC	3
	1/2-20 NF	3
	9/16-12 NC	3
	9/16-18 NF	3
	5/8-11 NC	3
	5/8-18 NF	3
	3/4-10 NC	3
	3/4-16 NF	3
	4-40 NC	3
	6-32 NC	3
	8-32 NC	3
	10-24 NC	3
	10-32 NF	3
	12-24 NC	3
	1/8-27 NPT	3
T-Handle Tap Wrench	0 TO 1/4"	3
T-Handle Tap Wrench	3/16" TO 1/2"	3
Economy Die Stock	1" Round Hex	3

ALFA TOOLS®

Rethreading Taps

- Manufactured from carbon steel.
- Restores internal threads without undercutting.
- Made in the USA.



ITEM NO.	SIZE	FINISH	1	5	10	20
707610	1/4"-20	Bright	\$2.35	\$2.22	\$2.11	\$2.00
707620	1/4-28	Black	2.35	2.22	2.11	2.00
707630	5/16-18	Bright	2.46	2.32	2.20	2.09
707640	5/16-24	Black	2.46	2.32	2.20	2.09
707650	3/8-16	Bright	2.56	2.42	2.29	2.18
707660	3/8-24	Black	2.56	2.42	2.29	2.18
707670	7/16-14	Bright	2.66	2.51	2.38	2.26
707680	7/16-20	Black	2.66	2.51	2.38	2.26
707690	1/2-13	Bright	3.29	3.11	2.95	2.80
707700	1/2-20	Black	3.28	3.10	2.93	2.79
707710	9/16-12	Bright	3.37	3.18	3.01	2.86
707720	9/16-18	Black	3.37	3.18	3.01	2.86

Die Wrench – Professional Quality

- #604143 and #604146 have 3-jaw self centering adjustable guides to assure straight threads and easy starting.
- #604149 is a sturdy cast hex die stock with chromed steel handles.



ITEM NO.	DESCRIPTION	1	5	10	20
604143	1" Round or Hex	\$14.22	\$13.47	\$12.80	\$12.19
604146	1½ Round, 1-7/16 Hex	22.13	20.96	19.91	18.96
		1	3	6	12
604149	1-7/8" Hex	\$34.41	\$32.67	\$31.10	\$29.67

Die Wrench – Economy Solid

- Designed to hold either 1" round or 1" hex dies.
- Carded.



ITEM NO.	DESCRIPTION	1	5	10	20
604140	1" Round or Hex	\$5.27	\$5.00	\$4.76	\$4.54

Screw Pitch Gauges

- Made with flat thread forms on top of each blade.
- Gives screw pitches on V-threads.



ITEM NO.	DESCRIPTION	1	5	10	20
604160	US Sizes 12-40	\$5.60	\$5.30	\$5.04	\$4.80
604163	Metric 0.5-1.75mm, #27, #28	5.60	5.30	5.04	4.80

Tap & Reamer Wrench – Economy

- For taps up to 1/2".
- Chrome finished, knurled handles with black center.



ITEM NO.	DESCRIPTION	1	5	10	20
604120	Size: 0 - 1/2"	\$8.94	\$8.47	\$8.05	\$7.67

Tap & Reamer Wrenches – Professional Quality

- Hardened steel jaws.
- Adjusts easily by turning handles.
- Available in three sizes.



ITEM NO.	DESCRIPTION	1	5	10	20
604123	Size: #4 to 1/2"	\$11.31	\$10.71	\$10.18	\$9.69
604126	Size: 1/4" to 3/4"	21.74	20.59	19.56	18.63
		1	3	6	12
604129	Size: 1/2" to 1-1/8"	60.14	56.97	54.13	51.55

T-Handle Tap Wrenches

- Sliding T-handle with spring tension to hold taps in place, self equalizing jaws.
- #604116 has removable handle and 3/8" female square drive for extensions, ratchet, and power drive.



ITEM NO.	DESCRIPTION	1	5	10	20
604110	Size: 0 to 1/4"	\$6.56	\$6.21	\$5.90	\$5.62
604113	Size: 3/16" to 1/2"	9.71	9.20	8.74	8.32
604116	Size: 3/16" to 1/2"	11.00	10.42	9.90	9.43

Ratcheting T-Handle Tap Wrenches

- Three position gear box for quick efficient ratcheting action.
- Chrome plated for long life and rust resistance.



ITEM NO.	DESCRIPTION	1	5	10	20
604100	Size: 0 to 1/4"	\$9.29	\$8.80	\$8.36	\$7.96
604103	Size: 1/4" to 1/2"	13.00	12.32	11.70	11.14