



CARBON STEEL
TAP AND DIE SETS
SERIES 843:



CUTTING TOOLS - TAPS & DIES

25-PIECE TAP AND DIE MASTER SET -

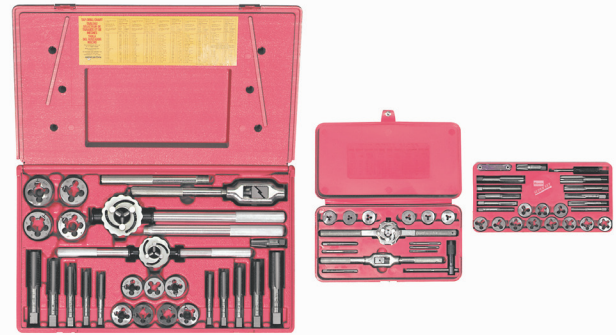
9/16" THROUGH 1"

Includes Coarse & Fine Threads

Packed in a hinged plastic case. Includes 1 each Plug Tap and 1 each Round Die for the following Thread 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, 1/4-18NPT

Also Includes:
Adjustable Die Stock - 1-1/2" Round,
Adjustable Die Stock - 2" Round,
Adjustable Handle Tap Wrench

Order No. 4398000 Price



39-PIECE TAP AND DIE SET -

NO. 4 THROUGH 1/2"

Includes Coarse & Fine Threads

Packed in a hinged plastic case with removable tray.
Includes 1 each Plug Tap and 1 each Solid Round Die for the following Thread 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, 1/8-27NPT.

Also includes:
Adjustable Die Stock, Adjustable Handle Tap Wrench,
T-Handle Tap Wrench, Screw Pitch Gauge, Screwdriver.

Order No. 4323614 Price

66 - PIECE TAP AND DIE MASTER SET -

NO. 4 THROUGH 1"

Packed in a hinged plastic case with removable plastic trays.

Includes one each Plug Tap and one each Hexagon Die for the following Thread 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, 1/8-27NPT, 1/4-18NPT

Also includes:
Adjustable Die Stocks: 1", 1-7/16", 1-13/16", Plain Die Stock: 5/8"
Adjustable Handle Tap Wrenches (2), Two-in-One Tap Wrench,
Screw Pitch Gauge

Order No. 4397606 Price

41-PIECE TAP AND DIE SET -

NO. 4 THROUGH 1/2"

Includes Coarse & Fine Threads

Packed in a hinged plastic case with removable tray.
Includes one each Plug Tap and Hexagon Die for the following Thread 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, 1/8-27NPT

Also includes:
Plain Die Stock, Adjustable Die Stock, Adjustable Handle Tap Wrench, T-Tap Wrench, T-Tap Wrench with 3/8" Square Drive, Screw Pitch Gauge, Screwdriver.

Order No. 4324606 Price

41-PIECE TAP AND DIE SET -

3mm THROUGH 12mm

Includes Coarse & Fine Threads

Packed in a hinged plastic case with removable tray. Includes one each Plug Tap and Hexagon Die for the following Thread Sizes:
3-.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,
1/8-28BSP

Also includes:
Plain Die Stock, Adjustable Die Stock, Adjustable Handle Tap Wrench,
T-Tap Wrench, T-Tap Wrench with 3/8" Square Drive, Screw Pitch Gauge, Screwdriver.

Order No. 4326317 Price

RECTANGULAR TOOL BITS

SERIES 614: M2 STEEL
SERIES 615: COBALT (5%) STEEL



Additional sizes available; please inquire.

Overall Size	Length	M2		Cobalt (5%)	
		Order No.	Price	Order No.	Price
1/4x3/8	3	6141624		206616	
1/4x3/8	4	-		-	
1/4x1/2	4	6141632		6151632	
1/4x3/4	5	6141648		6151648	
1/4x1	6	6141664		6151664	
5/16x1/2	4	6142032		6152032	
5/16x3/4	5	6142048		6152048	
5/16x1	6	6142064		6152064	
3/8x1/2	4	6142432		6152432	
3/8x5/8	4-1/2	6142440		6152440	
3/8x3/4	5	6142448		6152448	
3/8x1	6	6142464		6152464	
1/2x3/4	6	6143248		6153248	
1/2x1	7	6143264		6153264	
1/2x1-1/4	7	6143280		-	
5/8x3/4	5	6144048		6154048	
5/8x7/8	6	6144056		206652	
5/8x1	7	6144064		6154064	
5/8x1-1/4	7	6144080		-	
3/4x1	6	6144864		-	
3/4x1-1/4	6	6144880		-	
3/4x1-1/4	7	6144881		-	
1x1-1/4	6	206766		206666	

SQUARE GROUND TOOL BITS

SERIES 131: M2 STEEL
SERIES 132: COBALT STEEL / SUPER COBALT



SQUARE GROUND TOOL BITS - METRIC SIZES / REGULAR AND LONG LENGTH

SERIES 131: M2 STEEL
SERIES 132: COBALT STEEL



Size	Overall Length	HSS		Cobalt		Super Cobalt	
		Order No.	Price	Order No.	Price	Order No.	Price
1/8	2-1/2	1335008		1340008		1346008	
3/16	2-1/2	1335012		1340012		1346012	
1/4	2-1/2	1335016		1340016		1346016	
5/16	2-1/2	1335020		1340020		1346020	
3/8	3	1335024		1340024		1346024	
7/16	3-1/2	1335028		1340028		1346028	
1/2	4	1335032		1340032		1346032	
5/8	4-1/2	1335040		1340040		1346040	
3/4	5	1335048		1340048		1346048	
7/8	6	1335056		1340056		1346056	
1	7	1335064		1340064		-	
1-1/4	7	1335080		1340072		-	



Size	Overall Length	M2		Cobalt	
		Order No.	Price	Order No.	Price
4	80	3104080		9904080	
5	100	3105100		3405100	
5	200	3105200		3405200	
6	100	3106100		9906100	
6	200	3106200		9406200	
8	100	3108100		3408100	
8	200	3108200		9408200	
10	100	3110100		3410100	
10	200	3110200		3410200	
12	100	3112100		3412100	
12	200	9112200		3412200	
14	150	3114150		3414150	
16	150	3116150		3416150	
18	150	3118150		3418150	
20	200	3120200		3420200	

LONG SQUARE GROUND TOOL BITS

SERIES 612: M2 STEEL
SERIES 613: COBALT STEEL



Size	Overall Length	M2		Cobalt	
		Order No.	Price	Order No.	Price
1/4	4	6120164		6130164	
1/4	6	6120166		6130166	
5/16	6	6120206		6130206	
3/8	6	6120246		6130246	
3/8	8	6120248		6130248	
1/2	6	6120326		6130326	
1/2	8	6120328		6130328	
5/8	8	6120408		6130408	
3/4	8	6120488		6130488	

GROUND CUT-OFF BLADES - P TYPE (T SHAPED)

SERIES 134: M2 & COBALT STEEL



Model No.	Size (W x H x L)	M2		Cobalt	
		Order No.	Price	Order No.	Price
P1N	0.040 x 1/2 x 3-1/2	1340001		1340101	
P1	1/16 x 1/2 x 4-1/2	1340002		1340102	
P2	3/32 x 1/2 x 4-1/2	1340003		1340103	
P3S	1/8 x 1/2 x 4-1/2	1340004		1340104	
P3N	3/32 x 11/16 x 5	1340005		1340105	
P3	1/8 x 11/16 x 5	1340006		1340106	
P3W	1/8 x 3/4 x 5	1340007		1340107	
P5X	1/8 x 7/8 x 6	1340010		1340108	
P5	3/16 x 7/8 x 6	1340009		1340109	

GROUND CUT-OFF BLADES - BEVELED TYPE

SERIES 134: M2 & COBALT STEEL



Size	Overall Length	M2		Cobalt	
		Order No.	Price	Order No.	Price
11/16 x 1/16	5	1351044		1350044	
1/2 x 3/32	4-1/2	1351032		1350032	
5/8 x 3/32	5	1351041		1350041	
3/4 x 1/8	5	1351048		1350048	
7/8 x 1/8	6	1351056		1350056	
1 x 3/16	6-1/2	1351064		1350064	
1-1/8 x 1/4	7	1351072		1350072	

ROUND GROUND TOOL BITS - METRIC SIZES

SERIES 133: M2 & COBALT STEEL



ROUND GROUND TOOL BITS

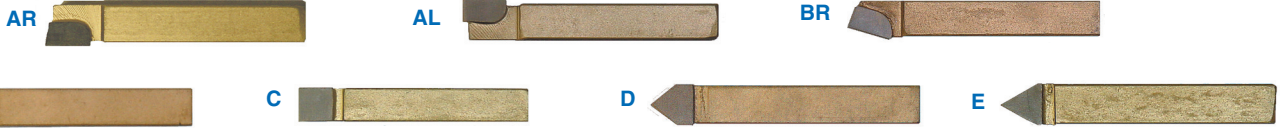
SERIES 133: M2 STEEL



Size	Overall Length	Order No.	Price
1/8	2-3/4	1345008	
3/16	3-1/2	1345012	
1/4	4-1/2	1345016	
5/16	4	1345020	
3/8	5	1345024	
7/16	5-1/2	1345028	
1/2	6	1345032	
9/16	6	1345036	
5/8	6	1345041	
3/4	6	1345048	



Size	Overall Length	M2		Cobalt	
		Order No.	Price	Order No.	Price
3	60	3303060		3203060	
4	80	3304080		3204080	
5	100	3305100		3205100	
6	100	3306100		3206100	
8	100	3308100		3208100	
10	100	3310100		3210100	
12	100	3312100		3212100	
14	150	3314150		3214150	
16	150	3316150		3216150	
18	150	3318150		3218150	
20	200	3320200		3220200	



CARBIDE TIPPED TOOL BITS

SERIES 129: GEN. PURPOSE GRADE (C2)
SERIES 130: STEEL GRADE (C5 / C6)



CARBIDE TIPPED TOOL BITS

SERIES 839:



CUTTING TOOLS - TOOL BITS

Tool Style	Size	Order No.		Price
		Gen.Purpose	Steel	
AR4	1/4 x 1/4 x 2	2950041	3010041	
AR5	5/16 x 5/16 x 2-1/4	2950051	3010051	
AR6	3/8 x 3/8 x 2-1/2	2950061	3010061	
AR7	7/16 x 7/16 x 3	2950071	3010071	
AR8	1/2 x 1/2 x 3-1/2	2950081	3010081	
AR10	5/8 x 5/8 x 4	2950101	3010101	
AR12	3/4 x 3/4 x 4-1/2	2950121	3010121	
AR16	1 x 1 x 7	2950161	3010161	
AR20	1-1/4 x 1-1/4 x 8	262166	263166	
AL4	1/4 x 1/4 x 2	2950042	3010042	
AL5	5/16 x 5/16 x 2-1/4	2950052	3010052	
AL6	3/8 x 3/8 x 2-1/2	2950062	3010062	
AL7	7/16 x 7/16 x 3	2950072	3010072	
AL8	1/2 x 1/2 x 3-1/2	2950082	3010082	
AL10	5/8 x 5/8 x 4	2950102	3010102	
AL12	3/4 x 3/4 x 4-1/2	2950122	3010122	
AL16	1 x 1 x 7	2950162	3010162	
AL20	1-1/4 x 1-1/4 x 8	262266	263266	
BR4	1/4 x 1/4 x 2	2950043	3010043	
BR5	5/16 x 5/16 x 2-1/4	2950053	3010053	
BR6	3/8 x 3/8 x 2-1/2	2950063	3010063	
BR7	7/16 x 7/16 x 3	2950073	3010073	
BR8	1/2 x 1/2 x 3-1/2	2950083	3010083	
BR10	5/8 x 5/8 x 4	2950103	3010103	
BR12	3/4 x 3/4 x 4-1/2	2950123	3010123	
BR16	1 x 1 x 7	2950163	3010163	
BR20	1-1/4 x 1-1/4 x 8	262366	263366	
BL4	1/4 x 1/4 x 2	2950044	3010044	
BL5	5/16 x 5/16 x 2-1/4	2950054	3010054	
BL6	3/8 x 3/8 x 2-1/2	2950064	3010064	
BL7	7/16 x 7/16 x 3	2950074	3010074	
BL8	1/2 x 1/2 x 3-1/2	2950084	3010084	
BL10	5/8 x 5/8 x 4	2950104	3010104	
BL12	3/4 x 3/4 x 4-1/2	2950124	3010124	
BL16	1 x 1 x 7	2950164	3010164	
BL20	1-1/4 x 1-1/4 x 8	262466	263466	
C4	1/4 x 1/4 x 2	2950045	3010045	
C5	5/16 x 5/16 x 2-1/4	2950055	3010055	
C6	3/8 x 3/8 x 2-1/2	2950065	3010065	
C7	7/16 x 7/16 x 3	2950075	3010075	
C8	1/2 x 1/2 x 3-1/2	2950085	3010085	
C10	5/8 x 5/8 x 4	2950105	3010105	
C12	3/4 x 3/4 x 4-1/2	2950125	3010125	
C16	1 x 1 x 7	2950165	3010165	
C20	1-1/4 x 1-1/4 x 8	262566	263566	
D4	1/4 x 1/4 x 2	2950046	3010046	
D5	5/16 x 5/16 x 2-1/4	2950056	3010056	
D6	3/8 x 3/8 x 2-1/2	2950066	3010066	
D7	7/16 x 7/16 x 3	2950076	3010076	
D8	1/2 x 1/2 x 3-1/2	2950086	3010086	
D10	5/8 x 5/8 x 4	2950106	3010106	
D12	3/4 x 3/4 x 4-1/2	2950126	3010126	
D16	1 x 1 x 7	2950166	3010166	
E4	1/4 x 1/4 x 2	2950047	3010047	
E5	5/16 x 5/16 x 2-1/4	2950057	3010057	
E6	3/8 x 3/8 x 2-1/2	2950067	3010067	
E7	7/16 x 7/16 x 3	2950077	3010077	
E8	1/2 x 1/2 x 3-1/2	2950087	3010087	
E10	5/8 x 5/8 x 4	2950107	3010107	
E12	3/4 x 3/4 x 4-1/2	2950127	3010127	
E16	1 x 1 x 7	2950167	3010167	

Tool Style	Size	General Purpose		Steel	
		Order No.	Price	Order No.	Price
AR4	1/4 x 1/4 x 2	8390041		8391041	
AR5	5/16 x 5/16 x 2-1/4	8390051		8391051	
AR6	3/8 x 3/8 x 2-1/2	8390061		8391061	
AR7	7/16 x 7/16 x 3	8390071		8391071	
AR8	1/2 x 1/2 x 3-1/2	8390081		8391081	
AR10	5/8 x 5/8 x 4	8390101		8391101	
AR12	3/4 x 3/4 x 4-1/2	8390121		8391121	
AR16	1 x 1 x 7	8390161		8391161	
AR20	1-1/4 x 1-1/4 x 8	8390201	P.O.A	8391201	P.O.A
AL4	1/4 x 1/4 x 2	8390042		8391042	
AL5	5/16 x 5/16 x 2-1/4	8390052		8391052	
AL6	3/8 x 3/8 x 2-1/2	8390062		8391062	
AL7	7/16 x 7/16 x 3	8390072		8391072	
AL8	1/2 x 1/2 x 3-1/2	8390082		8391082	
AL10	5/8 x 5/8 x 4	8390102		8391102	
AL12	3/4 x 3/4 x 4-1/2	8390122		8391122	
AL16	1 x 1 x 7	8390162		8391162	
AL20	1-1/4 x 1-1/4 x 8	8390202	P.O.A	8391202	P.O.A
BR4	1/4 x 1/4 x 2	8390043		8391043	
BR5	5/16 x 5/16 x 2-1/4	8390053		8391053	
BR6	3/8 x 3/8 x 2-1/2	8390063		8391063	
BR7	7/16 x 7/16 x 3	8390073		8391073	
BR8	1/2 x 1/2 x 3-1/2	8390083		8391083	
BR10	5/8 x 5/8 x 4	8390103		8391103	
BR12	3/4 x 3/4 x 4-1/2	8390123		8391123	
BR16	1 x 1 x 7	8390163		8391163	
BR20	1-1/4 x 1-1/4 x 8	8390203	P.O.A	8391203	P.O.A
BL4	1/4 x 1/4 x 2	8390044		8391044	
BL5	5/16 x 5/16 x 2-1/4	8390054		8391054	
BL6	3/8 x 3/8 x 2-1/2	8390064		8391064	
BL7	7/16 x 7/16 x 3	8390074		8391074	
BL8	1/2 x 1/2 x 3-1/2	8390084		8391084	
BL10	5/8 x 5/8 x 4	8390104		8391104	
BL12	3/4 x 3/4 x 4-1/2	8390124		8391124	
BL16	1 x 1 x 7	8390164		8391164	
BL20	1-1/4 x 1-1/4 x 8	8390204	P.O.A	8391204	P.O.A
C4	1/4 x 1/4 x 2	8390045		8391045	
C5	5/16 x 5/16 x 2-1/4	8390055		8391055	
C6	3/8 x 3/8 x 2-1/2	8390065		8391065	
C7	7/16 x 7/16 x 3	8390075		8391075	
C8	1/2 x 1/2 x 3-1/2	8390085		8391085	
C10	5/8 x 5/8 x 4	8390105		8391105	
C12	3/4 x 3/4 x 4-1/2	8390125		8391125	
C16	1 x 1 x 7	8390165		8391165	
C20	1-1/4 x 1-1/4 x 8	8390205	P.O.A	8391205	P.O.A
D4	1/4 x 1/4 x 2	8390046		8391046	
D5	5/16 x 5/16 x 2-1/4	8390056		8391056	
D6	3/8 x 3/8 x 2-1/2	8390066		8391066	
D7	7/16 x 7/16 x 3	8390076		8391076	
D8	1/2 x 1/2 x 3-1/2	8390086		8391086	
D10	5/8 x 5/8 x 4	8390106		8391106	
D12	3/4 x 3/4 x 4-1/2	8390126		8391126	
D16	1 x 1 x 7	8390166		8391166	
E4	1/4 x 1/4 x 2	8390047		8391047	
E5	5/16 x 5/16 x 2-1/4	8390057		8391057	
E6	3/8 x 3/8 x 2-1/2	8390067		8391067	
E7	7/16 x 7/16 x 3	8390077		8391077	
E8	1/2 x 1/2 x 3-1/2	8390087		8391087	
E10	5/8 x 5/8 x 4	8390107		8391107	
E12	3/4 x 3/4 x 4-1/2	8390127		8391127	
E16	1 x 1 x 7	8390167		8391167	

CARBIDE TIPPED TOOL BITS

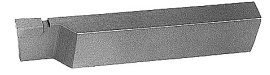
SERIES 129: GEN. PURPOSE GRADE (C2)
SERIES 130: STEEL GRADE (C5/C6)



CUT-OFF

Style CTR & CTL

Tool Style		Tip Width	Shank			Order No.				Price
Right Hand	Left Hand		w	h	L	General Purpose		Steel		
						Right Hand	Left Hand	Right Hand	Left Hand	
CTR-11	CTL-11	1/8	1/2	1	5	2950011	2951011	3100011	3011011	
CTR-22	CTL-22	3/16	1/2	1	5	2950022	2951022	3100022	3011022	
CTR-33	CTL-33	1/4	1/2	1	5	2950033	2951033	3100033	3011033	
CTR-44	CTL-44	5/16	1/2	1	5	2950048	2951044	3100048	3011044	
CTR-55	CTL-55	3/8	5/8	1-1/4	5	2950058	2951055	3100058	3011055	



OFFSET THREADING

Style ER & EL

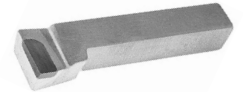
Tool Style		Shank			Order No.				Price
Right Hand	Left Hand	w	h	L	General Purpose		Steel		
					Right Hand	Left Hand	Right Hand	Left Hand	
ER-4	EL-4	1/4	1/4	2	9112004	9112104	6115004	6115104	
ER-6	EL-6	3/8	3/8	2-1/2	6112006	9112106	6115006	6115106	
ER-8	EL-8	1/2	1/2	3-1/2	6112008	6112108	6115008	6115108	



END CUTTING OFFSET

Style FR & FL

Tool Style		Shank			Order No.				Price
Right Hand	Left Hand	w	h	L	General Purpose		Steel		
					Right Hand	Left Hand	Right Hand	Left Hand	
FR-8	FL-8	1/2	1/2	3-1/2	6122008	6122108	6125008	6125108	
FR-10	FL-10	5/8	5/8	4	6122010	9122110	6125010	6125110	
FR-12	FL-12	3/4	3/4	4-1/2	6122012	6122112	6125012	6125112	



SIDE CUTTING OFFSET

Style GR & GL

Tool Style		Shank			Order No.				Price
Right Hand	Left Hand	w	h	L	General Purpose		Steel		
					Right Hand	Left Hand	Right Hand	Left Hand	
GR-8	GL-8	1/2	1/2	3-1/2	6132008	6132108	6135008	6135108	
GR-10	GL-10	5/8	5/8	4	6132010	6132110	6135010	6135110	
GR-12	GL-12	3/4	3/4	4-1/2	6132012	6132112	6135012	6135112	
GR-16	GL-16	1	1	7	6132016	6132116	6135016	6135116	



SQUARE SHANK BORING

Style TSA, TSC & TSE

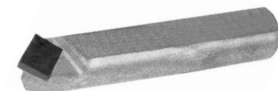
Tool Style	Shank			Order No.		Price
	w	h	L	General Purpose	Steel	
TSA-5	5/16	5/16	1-1/2	6142005	6145005	
TSA-6	3/8	3/8	1-3/4	6142006	6145006	
TSA-8	1/2	1/2	2-1/2	6142008	6145008	
TSC-5	5/16	5/16	1-1/2	6142105	6145105	
TSC-6	3/8	3/8	1-3/4	6142106	6145106	
TSC-8	1/2	1/2	2-1/2	6142108	6145108	
TSC-10	5/8	5/8	3	6142110	6145110	
TSC-12	3/4	3/4	3-1/2	6142112	6145112	
TSE-5	5/16	5/16	1-1/2	6142205	6145205	
TSE-6	3/8	3/8	1-3/4	6142206	6145206	
TSE-8	1/2	1/2	2-1/2	6142208	6145208	
TSE-10	5/8	5/8	3	6142210	6145210	



ROUND SHANK BORING

Style TRC & TRE

Tool Style	Shank		Order No.		Price
	Dia.	L	General Purpose	Steel	
TRC-5	5/16	1-1/2	6152005	6155005	
TRC-6	3/8	1-3/4	6152006	6155006	
TRC-8	1/2	2-1/2	-	6155008	
TRE-5	5/16	1-1/2	6152105	6155105	
TRE-6	3/8	1-3/4	6152106	6155106	
TRE-8	1/2	2-1/2	6152108	6155108	



CUTTING TOOLS - TOOL BITS