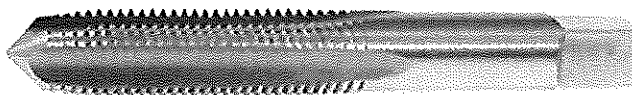


Hand Taps

MACHINE SCREW SIZES HIGH SPEED M-7 STEEL GROUND THREAD

COATING
TIN
AVAILABLE



"Hand Taps" are the most popular style in general machine tapping operations and are appropriate for the vast majority of materials and conditions. They are for general use in production tapping or hand operations. Taper, Plug and Bottoming styles provide great versatility in tough materials, blind and thru holes. Taper Style - Starts the thread square with the workpiece. Plug Style-Generally used in thru holes. Bottoming Style-Generates the thread to the bottom.

Packaging: #0 thru #12, 12 per box.

MADE IN USA

SERIES 2000

TAPER, PLUG & BOTTOM

TAP SIZES	NC	NF	PITCH DIA LIMITS	NO OF FLUTES	LENGTH OF THREAD	OVER ALL LENGTH	EDP NUMBERS			LIST PRICE EACH	EDP NUMBER SETS	LIST PRICE SETS
							TAPER	PLUG	BOTT			
0	--	80	H1	2	5/16	1-5/8	20A000FT	20A000FP	20A000FB	\$16.97	20A000FS	\$50.91
1	64	--	H1	2	3/8	1-11/16	20A001CT	20A001CP	20A001CB	16.40	20A001CS	49.20
1	--	72	H1	2	3/8	1-11/16	20A001FT	20A001FP	20A001FB	16.40	20A001FS	49.20
2	56	--	H2	3	7/16	1-3/4	20A002CT	20A002CP	20A002CB	16.44	20A002CS	49.32
2	--	64	H2	3	7/16	1-3/4	20A002FT	20A002FP	20A002FB	16.44	20A002FS	49.32
3	48	--	H2	3	1/2	1-13/16	20A003CT	20A003CP	20A003CB	11.48	20A003CS	34.44
3	--	56	H2	3	1/2	1-13/16	20A003FT	20A003FP	20A003FB	11.48	20A003FS	34.44
4	40	--	H2	3	9/16	1-7/8	20A004CT	20A004CP	20A004CB	11.48	20A004CS	34.44
4	--	48	H2	3	9/16	1-7/8	20A004FT	20A004FP	20A004FB	11.48	20A004FS	34.44
4	--	36	H2	3	9/16	1-7/8	20A004ST	20A004SP	20A004SB	11.48	20A004SS	34.44
5	40	--	H2	3	5/8	1-15/16	20A005CT	20A005CP	20A005CB	8.57	20A005CS	25.71
5	--	44	H2	3	5/8	1-15/16	20A005FT	20A005FP	20A005FB	8.57	20A005FS	25.71
6	32	--	H3	3	11/16	2"	20A006CT	20A006CP	20A006CB	8.09	20A006CS	24.27
6	--	40	H2	3	11/16	2"	20A006FT	20A006FP	20A006FB	8.09	20A006FS	24.27
8	32	--	H3	4	3/4	2-1/8	20A008CT	20A008CP	20A008CB	8.09	20A008CS	24.27
8	--	36	H2	4	3/4	2-1/8	20A008FT	20A008FP	20A008FB	8.09	20A008FS	24.27
10	24	--	H3	4	7/8	2-3/8	20A010CT	20A010CP	20A010CB	8.09	20A010CS	24.27
10	--	32	H3	4	7/8	2-3/8	20A010FT	20A010FP	20A010FB	8.09	20A010FS	24.27
12	24	--	H3	4	15/16	2-3/8	20A012CT	20A012CP	20A012CB	8.66	20A012CS	25.98
12	--	28	H3	4	15/16	2-3/8	20A012FT	20A012FP	20A012FB	8.66	20A012FS	25.98

Drill & Tap Sets

TAP & DRILL SETS

TAP SETS

TAP DISPENSERS

18 Pc. UNC TAP AND DRILL SETS

HSS-DRILLS (200) & TAPS (2000)	200C2018	\$149.73
NITRO-DRILLS(400N) & TAPS(2000N)	400NC2018	180.61
INDEX ONLY	18CDX	16.31
TAPS - #6-32, #8-32, #10-24, #10-32, 1/4-20, 5/16-18, 3/8-16, 7/16-14 & 1/2-13		
DRILLS - #36, #29, #25, #21, #7, "F", 5/16, "U" & 27/64		

18 Pc. UNF TAP AND DRILL SETS

HSS-DRILLS (200) & TAPS (2000)	200F2018	\$156.73
NITRO-DRILLS(400N) & TAPS(2000N)	400NF2018	188.70
INDEX ONLY	18FDX	16.31
TAPS - #6-40, #8-36, #10-24, #10-32, 1/4-28, 5/16-24, 3/8-24, 7/16-20 & 1/2-20		
DRILLS - #33, #29, #25, #21, #3, "I", "Q", 25/64 & 29/64		

19 Pc. TAP SET

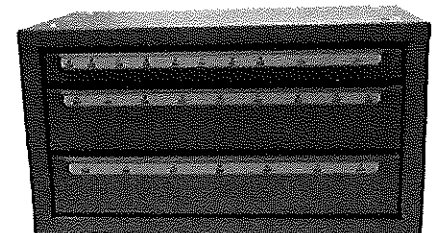
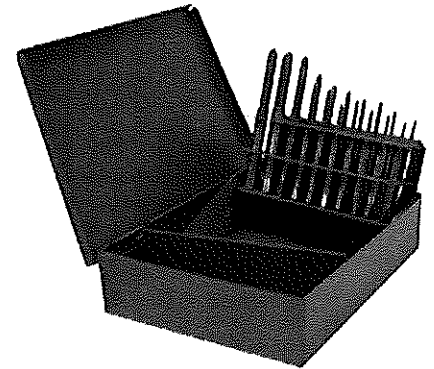
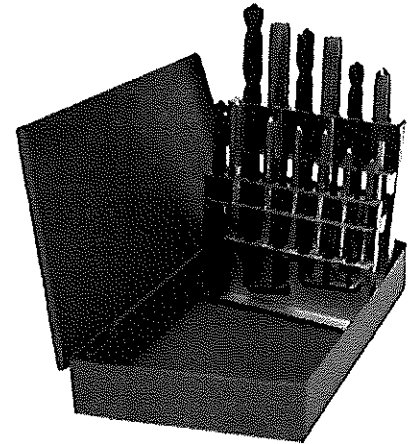
HSS-HANDTAPS (2000)	2000A19	\$232.90
NITRO-HANDTAPS (2000N)	2000N19	265.61
HSS-SPIRAL POINTED TAPS (2100)	2100A19	259.61
NITRO-SPIRAL POINTED TAPS (2100N)	2100N19	292.45
INDEX ONLY	19TDX	19.58
TAPS - #0-80, #1-64, #1-72, #2-56, #2-64, #3-48, #3-56, #4-40, #4-48, #5-40, #5-44, #6-32, #6-40, #8-32, #8-36, #10-24, #10-32, #12-24 & #12-28		

10 Pc. TAP SET

HSS-HANDTAPS (2000)	2000A10	\$158.25
NITRO-HANDTAPS (2000N)	2000N10	179.13
HSS-SPIRAL POINT TAPS (2100)	2100A10	165.26
NITRO-SPIRAL POINT TAPS (2100N)	2100N10	187.09
INDEX ONLY	10TDX	19.58
TAPS - 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		

TAP DISPENSERS (EMPTY)

FRACTIONAL SIZES	2000FDX	\$165.34
DISPENSER SIZES:	1/4-20 thru 1"-14	
MACHINE SCREWSIZES	2000SDX	\$204.49
DISPENSER SIZES:	#2-56 thru #12-28	
METRIC SIZES	2800DX	\$165.34
DISPENSER SIZES:	3mm thru 24mm	
MASTERTAP DISPENSER	2000MDX	\$1,011.38
DISPENSER SIZES:	NC & NF TAPS from 1/4" to 1-1/2", #2 thru #13 & 2.5mm thru 30mm	



Tap Displays

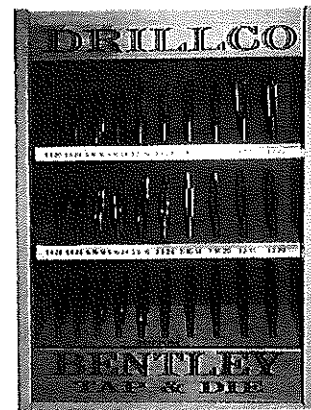
90 Pc. FRACTIONAL SIZES TAP DISPLAYS

HANDTAPSSERIES2000A USA 2000A90D \$1,281.66
 NITROHANDTAPSSERIES2000NUSA 2000N90D 1,460.91

DISPLAY CONTENTS 3 EACH OF THE FOLLOWING:

1/4-20 (T,P,B), 1/4-28 (T,P,B), 5/16-18 (T,P,B), 5/16-24 (T,P,B), 3/8-16 (T,P,B)
 3/8-24 (T,P,B), 7/16-14 (T,P,B), 7/16-20 (T,P,B), 1/2-13 (T,P,B), 1/2-20 (T,P,B)

30 and 60 piece displays are available. Please ask your sales representative or the DrillCo staff at 800 851-3821.



Tap and Die Accessories



Packaging: All sizes individually packaged.

T-HANDLE TAP WRENCHES

TAP CAPACITY	EDP NUMBERS	LIST PRICE
#0 to 3/16"	2000TW1	\$11.31
#0 to 1/4"	2000TW2	12.40
#10 to 3/8"	2000TW3	15.23
#12 to 1/2"	2000TW4	17.31



Packaging: All sizes individually packaged.

HEXAGON DIE ADAPTORS

ROUND DIE SIZE	HEXAGON DIE A/F	EDP NUMBERS	LIST PRICE
1"	1-1/2"	3000HA2	\$11.10
1-1/2"	2"	3000HA3	13.36
2"	2-1/2"	3000HA4	16.40



Packaging: All sizes individually packaged.

ADJUSTABLE TAP & REAMER WRENCHES

TOOL #	CAPACITY				LENGTH INCHES	EDP NUMBERS	LIST PRICE
	HAND TAP	PIPE TAP	PIPE TAP	REAMER			
#0	1/64" to 1/4"	#0 thru #14	-----	1/8" to 21/64"	7"	2000AW0	\$11.09
#5	5/32" to 1/2"	#7 thru #14	1/8"	11/64" to 7/16"	11"	2000AW5	17.08
#6	5/32" to 3/4"	#7 thru #14	1/8" thru 1/4"	11/16" to 41/64"	15"	2000AW6	24.14
#7	1/4" to 1-1/8"	-----	1/8" thru 3/4"	9/32" to 29/32"	19"	2000AW7	46.76
#7-1/2	1/2" to 1-3/8"	-----	1/8" thru 1"	3/8" to 1-5/32"	31"	2000AW7A	81.56
#8	3/4" to 1-5/8"	-----	3/8" thru 1-1/4"	37/64" to 1-11/32"	40"	2000AW8	129.85



Packaging: All sizes individually packaged.

DIE STOCK (3 Screw Type)

ROUND DIE SIZE	OVERALL LENGTH	EDP NUMBERS	LIST PRICE
13/16"	13/16"	3000DS1	\$11.44
1"	1"	3000DS2	12.79
1-1/2"	1-1/2"	3000DS3	18.27
2"	2"	3000DS4	25.14
2-1/2"	2-1/2"	3000DS5	49.33
3"	3"	3000DS6	72.04



Packaging: All sizes individually packaged.

FLOATING DIE HOLDER

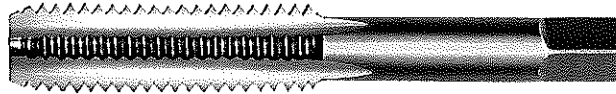
ROUND DIE SIZE	SHANK DIAMETER	BODY DIAMETER	EDP NUMBER	LIST PRICE
13/16"	1/2"	1-1/2"	3000FD1	\$41.33
1"	1/2"	1-1/2"	3000FD2	41.33
1-1/2"	3/4"	2"	3000FD3	54.49
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Carbon Hand Taps

METRIC SIZES

HIGH CARBON STEEL

CUT THREAD



Carbon Steel Hand Taps are used to rethread damaged or jammed threads or thread mild steels. Taper, Plug and Bottoming styles provide great versatility in tough materials, blind and thru holes. Taper Style - Starts the thread square with the workpiece. Plug Style-Generally used in thru holes. Bottoming Style-Generates the thread to the bottom.

Packaging: 4mm thru 6mm, 12 per box. 8mm thru 12mm, 6 per box. 13mm thru 16mm, 3 per box.

IMPORT

SERIES 2000C

TAPER, PLUG & BOTTOM

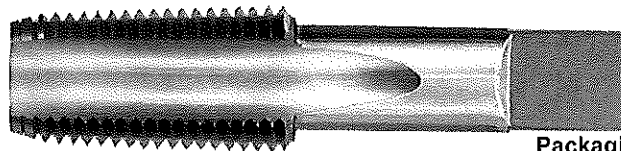
TAP SIZES	NC	NF	PITCH DIA. LIMITS	No OF FLUTES	LENGTH OF THREAD	OVERALL LENGTH	EDP NUMBERS			LIST PRICE EACH
							TAPER	PLUG	BOTT	
4mm	0.7	--	H1	2	5/16	1-5/8	20C040AT	20C040AP	20C040AB	\$3.39
5mm	0.8	--	H1	2	3/8	1-11/16	20C050AT	20C050AP	20C050AB	3.44
6mm	1.0	--	H1	2	3/8	1-11/16	20C060AT	20C060AP	20C060AB	3.52
8mm	--	1.0	H2	3	7/16	1-3/4	20C080AT	20C080AP	20C080AB	4.22
8mm	1.25	--	H2	3	7/16	1-3/4	20C080BT	20C080BP	20C080BB	4.22
10mm		1.0	H2	3	1/2	1-13/16	20C100AT	20C100AP	20C100AB	5.92
10mm		1.25	H2	3	1/2	1-7/8	20C100BT	20C100BP	20C100BB	5.92
10mm	1.50	--	H2	3	9/16	1-7/8	20C100CT	20C100CP	20C100CB	5.92
12mm	--	1.5	H2	3	9/16	1-7/8	20C120AT	20C120AP	20C120AB	7.00
12mm	1.75		H2	3	9/16	1-7/8	20C120BT	20C120BP	20C120BB	7.00
13mm		1.25	H2	3	5/8	1-15/16	20C130AT	20C130AP	20C130AB	9.00
14mm	2.0		H2	3	5/8	1-15/16	20C140AT	20C140AP	20C140AB	9.00
16mm	2.0	--	H3	3	11/16	2"	20C160AT	20C160AP	20C160AB	10.18

Carbon Taper Pipe Tapes

FRACTIONAL SIZES

HIGH CARBON STEEL

CUT THREAD



Packaging: All sizes individually packaged.

IMPORT

SERIES 2700E

(NPT)

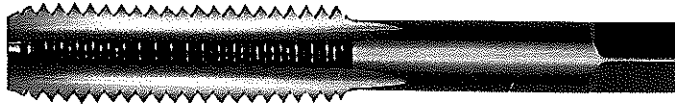
TAP SIZE	THREADS PER INCH	OVERALL LENGTH	EDP NUMBERS	LIST PRICE	TAP SIZES	THREADS PER INCH	OVERALL LENGTH	EDP NUMBERS	LIST PRICE
1/16	27	2-1/8	2700E104	\$10.05	3/4	14	3-1/4	2700E148	\$19.53
1/8	27	2-1/8	2700E108	5.87	1"	11-1/2	3-3/4	2700E164	38.85
1/4	18	2-7/16	2700E116	7.18	1-1/4	11-1/2	4"	2700E216	61.55
3/8	18	2-9/16	2700E124	8.96	1-1/2	11-1/2	4-1/4	2700E232	84.30
1/2	14	3-1/8	2700E132	12.09	2"	11-1/2	4-1/2	2700E264	123.71

Carbon Hand Taps

MACHINE & FRAC SIZES

HIGH CARBON STEEL

CUT THREAD



Carbon Steel Hand Taps are used to rethread damaged or jammed threads or thread mild steels. Taper, Plug and Bottoming styles provide great versatility in tough materials, blind and thru holes. Taper Style - Starts the thread square with the workpiece. Plug Style-Generally used in thru holes. Bottoming Style-Generates the thread to the bottom.

Packaging: 0 thru 1/4", 12 per box. 5/16" thru 1/2", 6 per box. 9/16" thru 1", 3 per box. 1-1/8" & up individually packaged.

IMPORT

SERIES 200C

TAPER, PLUG & BOTTOM

TAP SIZES	NC	NF	PITCH DIA LIMITS	NUMBER OF FLUTES	LENGTH OF THREAD	OVERALL LENGTH	EDP NUMBERS			LIST PRICE EACH
							TAPER	PLUG	BOTT	
0	--	80	H1	2	5/16	1-5/8	20C000FT	20C000FP	20C000FB	\$5.74
1	64	--	H1	2	3/8	1-11/16	20C001CT	20C001CP	20C001CB	5.39
1	--	72	H1	2	3/8	1-11/16	20C001FT	20C001FP	20C001FB	5.39
2	56	--	H2	3	7/16	1-3/4	20C002CT	20C002CP	20C002CB	5.09
2	--	64	H2	3	7/16	1-3/4	20C002FT	20C002FP	20C002FB	5.09
3	48	--	H2	3	1/2	1-13/16	20C003CT	20C003CP	20C003CB	3.70
3	--	56	H2	3	1/2	1-13/16	20C003FT	20C003FP	20C003FB	3.70
4	40	--	H2	3	9/16	1-7/8	20C004CT	20C004CP	20C004CB	3.70
4	--	48	H2	3	9/16	1-7/8	20C004FT	20C004FP	20C004FB	3.70
4	--	36	H2	3	9/16	1-7/8	20C004AT	20C004AP	20C004AB	3.70
5	40	--	H2	3	5/8	1-15/16	20C005CT	20C005CP	20C005CB	3.09
5	--	44	H2	3	5/8	1-15/16	20C005FT	20C005FP	20C005FB	3.09
6	32	--	H3	3	11/16	2"	20C006CT	20C006CP	20C006CB	3.09
6	--	40	H2	3	11/16	2"	20C006FT	20C006FP	20C006FB	3.09
8	32	--	H3	4	3/4	2-1/8	20C008CT	20C008CP	20C008CB	3.09
8	--	36	H2	4	3/4	2-1/8	20C008FT	20C008FP	20C008FB	3.09
10	24	--	H3	4	7/8	2-3/8	20C010CT	20C010CP	20C010CB	3.39
10	--	32	H3	4	7/8	2-3/8	20C010FT	20C010FP	20C010FB	3.39
12	24	--	H3	4	15/16	2-3/8	20C012CT	20C012CP	20C012CB	3.87
12	--	28	H3	4	15/16	2-3/8	20C012FT	20C012FP	20C012FB	3.87
1/4	20	--	H3	4	1"	2-1/2	20C116CT	20C116CP	20C116CB	3.09
1/4	--	28	H3	4	1"	2-1/2	20C116FT	20C116FP	20C116FB	3.09
5/16	18	--	H3	4	1-1/8	2-23/32	20C120CT	20C120CP	20C120CB	3.78
5/16	--	24	H3	4	1-1/8	2-23/32	20C120FT	20C120FP	20C120FB	3.78
3/8	16	--	H3	4	1-1/4	2-15/16	20C124CT	20C124CP	20C124CB	4.22
3/8	--	24	H3	4	1-1/4	2-15/16	20C124FT	20C124FP	20C124FB	4.22
7/16	14	--	H3	4	1-7/16	3-5/32	20C128CT	20C128CP	20C128CB	5.57
7/16	--	20	H3	4	1-7/16	3-5/32	20C128FT	20C128FP	20C128FB	5.57
1/2	13	--	H3	4	1-21/32	3-3/8	20C132CT	20C132CP	20C132CB	6.35
1/2	--	20	H3	4	1-21/32	3-3/8	20C132FT	20C132FP	20C132FB	6.35
9/16	12	--	H3	4	1-21/32	3-19/32	20C136CT	20C136CP	20C136CB	8.66
9/16	--	18	H3	4	1-21/32	3-19/32	20C136FT	20C136FP	20C136FB	8.66
5/8	11	--	H3	4	1-13/16	3-13/16	20C140CT	20C140CP	20C140CB	9.57
5/8	--	18	H3	4	1-13/16	3-13/16	20C140FT	20C140FP	20C140FB	9.57
3/4	10	--	H3	4	2"	4-1/4	20C148CT	20C148CP	20C148CB	13.66
3/4	--	16	H3	4	2"	4-1/4	20C148FT	20C148FP	20C148FB	13.66
7/8	9	--	H4	4	2-7/32	4-11/16	20C156CT	20C156CP	20C156CB	19.14
7/8	--	14	H4	4	2-7/32	4-11/16	20C156FT	20C156FP	20C156FB	19.14
1"	8	--	H4	4	2-1/2	5-1/8	20C164CT	20C164CP	20C164CB	23.79
1"	--	12	H4	4	2-1/2	5-1/8	20C164FT	20C164FP	20C164FB	23.79
1-1/8	7	--	H4	4	2-9/16	5-7/16	20C208CT	20C208CP	20C208CB	47.55
1-1/8	--	12	H4	4	2-9/16	5-7/16	20C208FT	20C208FP	20C208FB	47.55
1-1/4	7	--	H4	4	2-9/16	5-3/4	20C216CT	20C216CP	20C216CB	54.72
1-1/4	--	12	H4	6	2-9/16	5-3/4	20C216FT	20C216FP	20C216FB	54.72
1-3/8	6	--	H4	4	3"	6-1/16	20C224CT	20C224CP	20C224CB	63.03
1-3/8	--	12	H4	6	3"	6-1/16	20C224FT	20C224FP	20C224FB	63.03
1-1/2	6	--	H4	4	3"	6-3/8	20C232CT	20C232CP	20C232CB	74.30
1-1/2	--	12	H4	6	3"	6-3/8	20C232FT	20C232FP	20C232FB	74.30

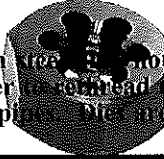
Hexagon Rethreading Dies

IMPORT

HIGH CARBON STEEL

CUT THREAD

Hexagon Rethreading Dies are precision high carbon steel dies that should not be confused with standard Series 3300E Hexagon Dies. Rethreading Dies are extra thick to permit use on worn, damaged or jammed threads and are not intended for producing new threads on unthreaded bar, bolts, or pipe. Dies are same size as standard Hex Nuts.
 Packaging: All sizes individually packaged.



METRIC SIZES

SERIES 3360E

TAP SIZES	THREADS PER INCH	WIDTH A/F	EDP NUMBERS	LIST PRICE
3mm	0.50	19/32	336E030A	\$14.57
3mm	0.60	19/32	336E030B	14.57
3.5mm	0.60	19/32	336E035A	14.57
4mm	0.70	19/32	336E040A	14.57
4mm	0.75	19/32	336E040B	14.57
4.5mm	0.75	19/32	336E045A	14.57
5mm	0.80	19/32	336E050A	14.57
5mm	0.90	19/32	336E050B	14.57
6mm	0.75	19/32	336E060B	14.57
6mm	1.00	19/32	336E060A	14.57
6.3mm	1.00	19/32	336E063A	14.57
7mm	1.00	11/16	336E070A	15.23
8mm	1.00	11/16	336E080A	15.23
8mm	1.25	11/16	336E080B	15.23
9mm	1.00	25/32	336E090A	16.75
9mm	1.25	25/32	336E090B	16.75
10mm	1.25	7/8	336E100A	21.97
10mm	1.50	7/8	336E100B	21.97
11mm	1.50	7/8	336E110A	23.49
12mm	1.25	1-1/16	336E120A	25.23
12mm	1.50	1-1/16	336E120B	25.23
12mm	1.75	1-1/16	336E120C	25.23
14mm	1.50	1-1/16	336E140A	26.97
14mm	2.00	1-1/16	336E140B	26.97
16mm	1.50	1-1/4	336E160A	30.87
16mm	2.00	1-1/4	336E160B	30.67
18mm	1.50	1-7/16	336E180A	36.98
18mm	2.00	1-7/16	336E180C	36.98

TAP SIZES	THREADS PER INCH	WIDTH A/F	EDP NUMBERS	LIST PRICE
18mm	2.50	1-7/16	336E180B	\$36.98
20mm	1.50	1-5/8	336E200A	42.85
20mm	2.50	1-5/8	336E200B	42.85
22mm	1.50	1-5/8	336E220A	45.02
22mm	2.50	1-5/8	336E220B	45.02
24mm	2.00	1-13/16	336E240A	48.50
24mm	3.00	1-13/16	336E240B	48.50
26mm	1.50	2"	336E260A	50.45
27mm	2.00	2"	336E270A	53.94
27mm	3.00	2"	336E270B	53.94
28mm	1.50	2"	336E280A	55.75
30mm	2.00	2-3/16	336E300A	64.16
30mm	3.50	2-3/16	336E300B	64.16
33mm	2.00	2-3/8	336E330A	82.43
33mm	3.50	2-3/8	336E330B	82.43
36mm	3.00	2-9/16	336E360A	96.35
36mm	4.00	2-9/16	336E360B	96.35
39mm	3.00	3-1/8	336E390A	104.84
39mm	4.00	3-1/8	336E390B	104.84
40mm	1.50	3-1/8	336E400A	125.06
42mm	1.50	3-1/8	336E420A	139.85
42mm	4.50	3-1/8	336E420B	139.85
45mm	1.50	3-1/4	336E450A	174.93
45mm	4.50	3-1/4	336E450B	174.93
48mm	1.50	3-1/4	336E480A	206.97
48mm	5.00	3-1/4	336E480B	206.97
52mm	1.50	3-1/2	336E520A	268.70
52mm	5.00	3-1/2	336E520B	268.70

PIPE DIES (NPT)

SERIES 3380E

TAP SIZES	THREADS PER INCH	WIDTH A/F	EDP NUMBERS	LIST PRICE
1/8	27	25/32	338E108	\$13.66
1/4	18	1-1/16	338E116	17.92
3/8	18	1-1/4	338E124	26.54
1/2	14	1-5/8	338E132	32.36
3/4	14	1-13/16	338E148	49.16

TAP SIZES	THREADS PER INCH	WIDTH A/F	EDP NUMBERS	LIST PRICE
1"	11-1/2	2-3/16	338E164	\$78.30
1-1/4	11-1/2	3-1/8	338E216	126.32
1-1/2	11-1/2	3-1/8	338E232	195.75
2"	11-1/2	4"	338E264	375.00
2-1/2	8	4-1/2	338E332	POR

LEFT HAND FRACTIONAL SIZES

SERIES 3370E

TAP SIZES	THREADS PER INCH	WIDTH A/F	EDP NUMBERS	LIST PRICE
1/4	20	19/32	337E116C	\$16.31
1/4	28	19/32	337E116F	16.31
5/16	18	11/16	337E120C	18.05
5/16	24	11/16	337E120F	18.05
3/8	16	25/32	337E124C	20.44
3/8	24	25/32	337E124F	20.44
7/16	14	7/8	337E128C	21.32
7/16	20	7/8	337E128F	21.32
1/2	13	1-1/16	337E132C	26.10
1/2	20	1-1/16	337E132F	26.10
9/16	12	1-1/16	337E136C	31.76
9/16	18	1-1/16	337E136F	31.76
5/8	11	1-1/4	337E140C	34.15
5/8	18	1-1/4	337E140F	34.15
3/4	10	1-7/16	337E148C	38.93

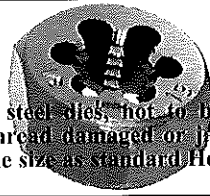
TAP SIZES	THREADS PER INCH	WIDTH A/F	EDP NUMBERS	LIST PRICE
3/4	16	1-7/16	337E148F	\$38.93
7/8	9	1-5/8	337E156C	53.94
7/8	14	1-5/8	337E156F	53.94
1"	8	1-13/16	337E164C	55.46
1"	12	1-13/16	337E164F	55.46
1-1/8	7	2"	337E208C	83.74
1-1/8	12	2"	337E208F	83.74
1-1/4	7	2-3/16	337E216C	93.09
1-1/4	12	2-3/16	337E216F	93.09
1-3/8	6	2-3/8	337E224C	107.23
1-3/8	12	2-3/8	337E224F	107.23
1-1/2	6	2-9/16	337E232C	138.98
1-1/2	12	2-9/16	337E232F	138.98
1-3/4	5	3-1/2	337E248C	217.07
2"	4-1/2	3-1/2	337E264C	351.26

Hexagon Rethreading Dies

IMPORT

HIGH CARBON STEEL

CUT THREAD



Hexagon Rethreading Dies are precision high carbon steel dies, not to be confused with standard Series 3300E Hexagon Dies. Rethreading Dies are extra thick to permit user to rethread damaged or jammed threads and are not intended for producing new threads on unthreaded bar, bolts, or pipes. Dies are same size as standard Hex Nuts.
Packaging: All sizes individually packaged.

MACHINE & FRACTIONAL SIZES

SERIES 3350E

TAP SIZES	THREADS PER INCH	WIDTH A/F	EDP NUMBERS	LIST PRICE	TAP SIZES	THREADS PER INCH	WIDTH A/F	EDP NUMBERS	LIST PRICE
4	40	19/32	335E004C	\$10.18	1-1/8	7	2"	335E208C	\$46.37
4	48	19/32	335E004F	10.18	1-1/8	12	2"	335E208F	46.37
5	40	19/32	335E005C	10.18	1-1/4	7	2-3/16	335E216C	53.81
5	44	19/32	335E005F	10.18	1-1/4	12	2-3/16	335E216F	53.81
6	32	19/32	335E006C	10.18	1-3/8	6	2-3/8	335E224C	61.12
6	40	19/32	335E006F	10.18	1-3/8	12	2-3/8	335E224F	61.12
8	32	19/32	335E008C	10.18	1-1/2	6	2-9/16	335E232C	68.43
8	36	19/32	335E008F	10.18	1-1/2	12	2-9/16	335E232F	68.43
10	24	19/32	335E010C	10.18	1-5/8	5-1/2	3-1/8	335E240C	148.16
10	32	19/32	335E010F	10.18	1-5/8	12	3-1/8	335E240F	148.16
12	24	19/32	335E012C	10.18	1-3/4	5	3-1/8	335E248C	184.79
12	28	19/32	335E012F	10.18	1-3/4	12	3-1/8	335E248F	184.79
1/4	20	19/32	335E116C	9.17	1-7/8	5	3-1/8	335E256C	218.46
1/4	28	19/32	335E116F	9.17	1-7/8	12	3-1/8	335E256F	218.46
5/16	18	11/16	335E120C	10.27	2"	4-1/2	3-1/2	335E264C	232.73
5/16	24	11/16	335E120F	10.27	2"	12	3-1/2	335E264F	232.73
3/8	16	25/32	335E124C	10.58	2-1/4	4-1/2	3-1/2	335E316C	258.83
3/8	24	25/32	335E124F	10.58	2-1/4	12	3-1/2	335E316F	258.83
7/16	14	7/8	335E128C	13.05	2-1/2	4	4-1/2	335E332C	322.99
7/16	20	7/8	335E128F	13.05	2-1/2	12	4-1/2	335E332F	322.99
1/2	13	1-1/16	335E132C	14.14	2-3/4	4	4-1/2	335E348C	367.18
1/2	20	1-1/16	335E132F	14.14	2-3/4	12	4-1/2	335E348F	367.18
9/16	12	1-1/16	335E136C	15.27	3"	4	5"	335E364C	513.30
9/16	18	1-1/16	335E136F	15.27	3"	12	5"	335E364F	513.30
5/8	11	1-1/4	335E140C	17.75	3-1/4	4	5"	335E416C	529.96
5/8	18	1-1/4	335E140F	17.75	3-1/4	12	5"	335E416F	529.96
11/16	11	1-7/16	335E144C	23.27	3-1/2	4	5"	335E432C	619.18
11/16	16	1-7/16	335E144F	23.27	3-1/2	12	5"	335E432F	619.18
3/4	10	1-7/16	335E148C	23.27	3-3/4	4	6"	335E448C	724.28
3/4	16	1-7/16	335E148F	23.27	3-3/4	12	6"	335E448F	724.28
7/8	9	1-5/8	335E156C	26.10	4"	4	6"	335E464C	774.30
7/8	14	1-5/8	335E156F	26.10	4"	12	6"	335E464F	774.30
1"	8	1-13/16	335E164C	32.93	4"	4	6"	335E464C	774.30
1"	12	1-13/16	335E164F	32.93	4"	12	6"	335E464F	774.30
1"	14	1-13/16	335E164S	32.93					

8 Pitch Hex Rethreading Dies

IMPORT

HIGH CARBON STEEL

SERIES 3350E

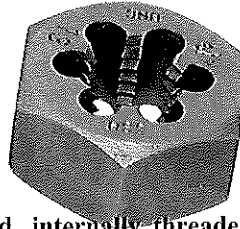
TAP SIZES	THREADS PER INCH	WIDTH A/F	EDP NUMBERS	LIST PRICE	TAP SIZES	THREADS PER INCH	WIDTH A/F	EDP NUMBERS	LIST PRICE
1-1/8	8	2"	335E208N	\$52.37	2-1/2	8	4-1/2	335E332N	\$283.97
1-1/4	8	2-3/16	335E216N	60.90	2-5/8	8	4-1/2	335E340N	303.93
1-3/8	8	2-3/8	335E224N	66.56	2-3/4	8	4-1/2	335E348N	321.68
1-1/2	8	2-9/16	335E232N	81.82	2-7/8	8	4-1/2	335E356N	399.33
1-5/8	8	3-12/8	335E240N	148.16	3"	8	5"	335E364N	465.89
1-3/4	8	3-1/8	335E248N	173.04	3-1/4	8	5"	335E416N	529.96
1-7/8	8	3-1/8	335E256N	188.57	3-1/2	8	5"	335E432N	619.88
2"	8	3-1/2	335E264N	206.32	3-3/4	8	6"	335E448N	687.74
2-1/4	8	3-1/2	335E316N	244.08	4"	8	6"	335E464N	709.92
2-3/8	8	3-1/2	335E324N	261.78					

Hexagon Threading Dies

IMPORT

HIGH SPEED M-2 STEEL

HEAVY DUTY



HEXAGON THREADING DIES are multiedged, internally threaded cutting tools used for cutting external threads. Hexagon Dies are same size as standard Hex Nuts.

Packaging: All sizes individually packaged.

MACHINE & FRACTIONAL SIZES

SERIES 3300E

TAP SIZES	THREADS PER INCH	WIDTH A/F	EDP NUMBERS	LIST PRICE	TAP SIZES	THREADS PER INCH	WIDTH A/F	EDP NUMBERS	LIST PRICE
4	40	19/32	33E004C	\$24.45	1/2	13	1-1/16	33E132C	\$41.50
6	32	19/32	33E006C	24.45	1/2	20	1-1/16	33E132F	41.50
8	32	19/32	33E008C	24.45	9/16	12	1-1/16	33E136C	50.11
10	24	19/32	33E010C	24.45	9/16	18	1-1/16	33E136F	50.11
10	32	19/32	33E010F	24.45	5/8	11	1-1/4	33E140C	54.98
12	24	19/32	33E012C	24.45	5/8	18	1-1/4	33E140F	54.98
1/4	20	19/32	33E116C	24.45	3/4	10	1-7/16	33E148C	61.07
1/4	28	19/32	33E116F	24.45	3/4	16	1-7/16	33E148F	61.07
5/16	18	11/16	33E120C	27.49	7/8	9	1-5/8	33E156C	73.25
5/16	24	11/16	33E120F	27.49	7/8	14	1-5/8	33E156F	73.25
3/8	16	25/32	33E124C	30.54	1"	8	1-13/16	33E164C	85.43
3/8	24	25/32	33E124F	30.54	1"	12	1-13/16	33E164F	85.43
7/16	14	7/8	33E128C	32.97	1"	14	1-13/16	33E164S	85.43
7/16	20	7/8	33E128F	32.97					

Adjustable Round Split Pipe Dies

Packaging: All sizes individually packaged.

IMPORT

HSS

PIPE THREAD

SERIES 3050E

SIZE	1" EDP NUMBER	1" O.D. PRICE	1-1/2" EDP NUMBER	1-1/2" O.D. PRICE	2" EDP NUMBER	2" O.D. PRICE	2-1/2" EDP NUMBER	2-1/2" O.D. PRICE	3" EDP NUMBER	3" O.D. PRICE
1/16 - 24	305E104B	\$25.06	---	---	---	---	---	---	---	---
1/8 - 27	305E108B	25.06	305E108C	\$40.37	---	---	---	---	---	---
1/4 - 18	---	---	305E116C	40.37	305E116D	\$70.99	---	---	---	---
3/8 - 16	---	---	---	---	305E124D	70.99	---	---	---	---
1/2 - 14	---	---	---	---	305E132D	70.99	---	---	---	---
3/4 - 14	---	---	---	---	305E148D	70.99	---	---	---	---
1" - 11-1/2	---	---	---	---	---	---	305E164E	\$100.22	---	---
1-1/4-11-1/2	---	---	---	---	---	---	---	---	305E216F	\$164.65
1-1/2-11-1/2	---	---	---	---	---	---	---	---	305E232F	164.65
2" - 11-1/2	---	---	---	---	---	---	---	---	305E264F	394.98

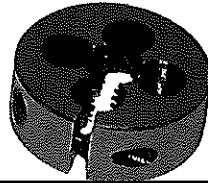
SIZE	13/16 EDP NUMBER	13/16" PRICE	1" EDP NUMBER	1" O.D. PRICE	1-1/2 EDP NUMBER	1-1/2" PRICE	2" EDP NUMBER	2" O.D. PRICE	2-1/2 EDP NUMBER	2-1/2" PRICE	3" EDP NUMBER	3" O.D. PRICE
METRIC SIZES						SERIES 3100E						
1mm x 0.25	31E010AA	25.58	---	---	---	---	---	---	---	---	---	---
1.6mmx0.35	31E016AA	25.58	---	---	---	---	---	---	---	---	---	---
2.0mmx0.40	31E020AA	25.58	31E020AB	26.80	---	---	---	---	---	---	---	---
2.2mmx0.45	---	---	31E022AB	26.80	---	---	---	---	---	---	---	---
2.3mm x 0.4	---	---	31E023AB	26.80	---	---	---	---	---	---	---	---
2.5mmx0.45	31E025AA	25.58	31E025AB	26.80	---	---	---	---	---	---	---	---
2.6mmx0.45	---	---	31E026AB	26.80	---	---	---	---	---	---	---	---
3mm x 0.50	---	---	31E030AB	26.80	---	---	---	---	---	---	---	---
3.5mm x 0.5	---	---	31E035AB	26.80	---	---	---	---	---	---	---	---
3.5mm x 0.6	---	---	31E035BB	26.80	---	---	---	---	---	---	---	---
4mm x 0.50	31E040AA	21.45	31E040AB	26.80	---	---	---	---	---	---	---	---
4mm x 0.70	31E040BA	21.45	31E040BB	26.80	---	---	---	---	---	---	---	---
4.5mm x 0.5	---	---	31E045AB	26.80	---	---	---	---	---	---	---	---
4.5mmx0.75	---	---	31E045BB	26.80	---	---	---	---	---	---	---	---
5mm x 0.50	---	---	31E050AB	26.80	---	---	---	---	---	---	---	---
5mm x 0.80	31E050BA	21.45	31E050BB	26.80	---	---	---	---	---	---	---	---
5mm x 1.00	---	---	31E050CB	26.80	---	---	---	---	---	---	---	---
6mm x 0.50	---	---	31E060AB	26.80	---	---	---	---	---	---	---	---
6mm x 0.75	---	---	31E060BB	26.80	---	---	---	---	---	---	---	---
6mm x 1.00	---	---	31E060CB	26.80	---	---	---	---	---	---	---	---
7mm x 0.75	---	---	31E070AB	26.80	---	---	---	---	---	---	---	---
7mm x 1.00	---	---	31E070BB	26.80	---	---	---	---	---	---	---	---
8mm x 0.75	---	---	31E080AB	26.80	---	---	---	---	---	---	---	---
8mm x 1.00	---	---	31E080BB	26.80	---	---	---	---	---	---	---	---
8mm x 1.25	---	---	31E080CB	26.80	---	---	---	---	---	---	---	---
9mm x 1.00	---	---	---	---	31E090AC	42.67	---	---	---	---	---	---
9mm x 1.25	---	---	31E090BB	26.80	31E090BC	42.67	---	---	---	---	---	---
10mmx0.75	---	---	31E100AB	26.80	31E100AC	42.67	---	---	---	---	---	---
10mm x 1.0	---	---	31E100BB	26.80	31E100BC	42.67	---	---	---	---	---	---
10mmx1.25	---	---	31E100CB	26.80	31E100CC	42.67	---	---	---	---	---	---
10mm x 1.5	---	---	31E100DB	26.80	31E100DC	42.67	---	---	---	---	---	---
11mm x 1.0	---	---	---	---	31E110AC	42.67	---	---	---	---	---	---
11mm x 1.5	---	---	31E110BB	26.80	31E110BC	42.67	---	---	---	---	---	---
12mm x 1.0	---	---	31E120AB	26.80	31E120AC	42.67	---	---	---	---	---	---
12mmx1.25	---	---	---	---	31E120BC	42.67	---	---	---	---	---	---
12mm x 1.5	---	---	---	---	31E120CC	42.67	---	---	---	---	---	---
12mmx1.75	---	---	---	---	31E120DC	42.67	---	---	---	---	---	---
14mm x 1.0	---	---	---	---	31E140AC	42.67	---	---	---	---	---	---
14mmx1.25	---	---	---	---	31E140BC	42.67	---	---	---	---	---	---
14mm x 1.5	---	---	---	---	31E140CC	42.67	---	---	---	---	---	---
14mm x 2.0	---	---	---	---	31E140DC	42.67	---	---	---	---	---	---
15mm x 1.5	---	---	---	---	31E150AC	42.67	---	---	---	---	---	---
16mm x 1.0	---	---	---	---	31E160AC	42.67	---	---	---	---	---	---
16mm x 1.5	---	---	---	---	31E160BC	42.67	---	---	---	---	---	---
16mm x 2.0	---	---	---	---	31E160CC	42.67	---	---	---	---	---	---
17mm x 1.5	---	---	---	---	31E170AC	42.67	---	---	---	---	---	---
18mm x 1.0	---	---	---	---	31E180AC	42.67	---	---	---	---	---	---
18mm x 1.5	---	---	---	---	31E180BC	42.67	---	---	---	---	---	---
18mm x 2.0	---	---	---	---	31E180CC	42.67	---	---	---	---	---	---
18mm x 2.5	---	---	---	---	31E180DC	42.67	31E180DD	74.17	---	---	---	---
20mm x 1.0	---	---	---	---	31E200AC	42.67	31E200AD	74.17	---	---	---	---
20mm x 1.5	---	---	---	---	31E200BC	42.67	31E200BD	74.17	---	---	---	---
20mm x 2.0	---	---	---	---	---	---	31E200CD	74.17	---	---	---	---
20mm x 2.5	---	---	---	---	---	---	31E200DD	74.17	---	---	---	---
22mm x 1.0	---	---	---	---	---	---	31E220AD	74.17	---	---	---	---
22mm x 1.5	---	---	---	---	---	---	31E220BD	74.17	---	---	---	---
22mm x 2.0	---	---	---	---	---	---	31E220CD	74.17	---	---	---	---
22mm x 2.5	---	---	---	---	---	---	31E220DD	74.17	---	---	---	---
24mm x 1.5	---	---	---	---	---	---	31E240AD	74.17	---	---	---	---
24mm x 2.0	---	---	---	---	---	---	31E240BD	74.17	---	---	---	---
24mm x 3.0	---	---	---	---	---	---	31E240CD	74.17	---	---	---	---
26mm x 1.5	---	---	---	---	---	---	31E260AD	74.17	---	---	---	---
27mm x 2.0	---	---	---	---	---	---	31E270AD	74.17	---	---	---	---
27mm x 3.0	---	---	---	---	---	---	31E270BD	74.17	---	---	---	---
28mm x 1.5	---	---	---	---	---	---	31E280AD	74.17	---	---	---	---
30mm x 1.5	---	---	---	---	---	---	31E300AD	74.17	---	---	---	---
30mm x 2.0	---	---	---	---	---	---	31E300BD	74.17	---	---	---	---
33mm x 2.0	---	---	---	---	---	---	---	---	31E330AE	113.84	---	---
39mm x 3.5	---	---	---	---	---	---	31E390AD	74.17	---	---	---	---
45mm x 4.5	---	---	---	---	---	---	---	---	---	---	31E450AF	149.07

Adjustable Round Split Dies

IMPORT

HIGH SPEED M-2 STEEL

SCREW ADJUSTING



Packaging: All sizes individually packaged.

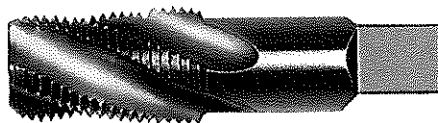
SIZE	13/16 EDP NUMBER	13/16" PRICE	1" EDP NUMBER	1" O.D. PRICE	1-1/2 EDP NUMBER	1-1/2" PRICE	2" EDP NUMBER	2" O.D. PRICE	2-1/2 EDP NUMBER	2-1/2" PRICE	3" EDP NUMBER	3" O.D. PRICE
MACHINE SCREW & FRACTIONAL SIZES												
SERIES 3000E												
0-80	30E000FA	13.40	---	---	---	---	---	---	---	---	---	---
1-64	30E001CA	13.40	---	---	---	---	---	---	---	---	---	---
1-72	30E001FA	13.40	---	---	---	---	---	---	---	---	---	---
2-56	30E002CA	13.40	---	---	---	---	---	---	---	---	---	---
2-64	30E002FA	13.40	---	---	---	---	---	---	---	---	---	---
3-48	30E003CA	13.40	---	---	---	---	---	---	---	---	---	---
3-56	30E003FA	13.40	---	---	---	---	---	---	---	---	---	---
4-40	30E004CA	13.40	30E004CB	16.18	---	---	---	---	---	---	---	---
4-48	30E004FA	13.40	30E004FB	16.18	---	---	---	---	---	---	---	---
5-40	30E005CA	13.40	30E005CB	16.18	---	---	---	---	---	---	---	---
5-44	30E005FA	13.40	---	---	---	---	---	---	---	---	---	---
6-32	30E006CA	13.40	30E006CB	16.18	---	---	---	---	---	---	---	---
6-40	30E006FA	13.40	30E006FB	16.18	---	---	---	---	---	---	---	---
8-32	30E008CA	13.40	30E008CB	16.18	---	---	---	---	---	---	---	---
8-36	30E008FA	13.40	30E008FB	16.18	---	---	---	---	---	---	---	---
10-24	30E010CA	13.40	30E010CB	16.18	---	---	---	---	---	---	---	---
10-32	30E010FA	13.40	30E010FB	16.18	---	---	---	---	---	---	---	---
12-24	30E012CA	13.40	30E012CB	16.18	---	---	---	---	---	---	---	---
12-28	30E012FA	13.40	30E012FB	16.18	---	---	---	---	---	---	---	---
1/4-20	30E116CA	13.40	30E116CB	16.18	30E116CC	25.93	30E116CD	45.33	---	---	---	---
1/4-28	30E116FA	13.40	30E116FB	16.18	30E116FC	25.93	30E116FD	45.33	---	---	---	---
5/16-18	30E120CA	13.40	30E120CB	16.18	30E120CC	25.93	30E120CD	45.33	---	---	---	---
5/16-24	30E120FA	13.40	30E120FB	16.18	30E120FC	25.93	30E120FD	45.33	---	---	---	---
3/8-16	---	---	30E124CB	16.18	30E124CC	25.93	30E124CD	45.33	---	---	---	---
3/8-24	---	---	30E124FB	16.18	30E124FC	25.93	30E124FD	45.33	---	---	---	---
7/16-14	---	---	30E128CB	16.18	30E128CC	25.93	30E128CD	45.33	---	---	---	---
7/16-20	---	---	30E128FB	16.18	30E128FC	25.93	30E128FD	45.33	---	---	---	---
1/2-13	---	---	30E132CB	16.18	30E132CC	25.93	30E132CD	45.33	---	---	---	---
1/2-20	---	---	30E132FB	16.18	30E132FC	25.93	30E132FD	45.33	---	---	---	---
9/16-12	---	---	---	---	30E136CC	25.93	30E136CD	45.33	---	---	---	---
9/16-18	---	---	---	---	30E136FC	25.93	30E136FD	45.33	---	---	---	---
5/8-11	---	---	---	---	30E140CC	25.93	30E140CD	45.33	---	---	---	---
5/8-18	---	---	---	---	30E140FC	25.93	30E140FD	45.33	---	---	---	---
3/4-10	---	---	---	---	30E148CC	25.93	30E148CD	45.33	---	---	---	---
3/4-16	---	---	---	---	30E148FC	25.93	30E148FD	45.33	---	---	---	---
7/8-9	---	---	---	---	---	---	30E156CD	45.33	---	---	---	---
7/8-14	---	---	---	---	---	---	30E156FD	45.33	---	---	---	---
1"-8	---	---	---	---	---	---	30E164CD	45.33	---	---	30E164CF	147.03
1"-12	---	---	---	---	---	---	30E164FD	45.33	---	---	30E164FF	147.03
1"-14	---	---	---	---	---	---	30E164SD	45.33	---	---	30E164SF	147.03
1-1/8-7	---	---	---	---	---	---	---	---	30E208CE	88.13	30E208CF	147.03
1-1/8-12	---	---	---	---	---	---	---	---	30E208FE	88.13	30E208FF	147.03
1-1/4-7	---	---	---	---	---	---	---	---	30E216CE	88.13	30E216CF	147.03
1-1/4-12	---	---	---	---	---	---	---	---	30E216FE	88.13	30E216FF	147.03
1-3/8-6	---	---	---	---	---	---	---	---	30E224CE	88.13	30E224CF	147.03
1-3/8-12	---	---	---	---	---	---	---	---	30E224FE	88.13	30E224FF	147.03
1-1/2-6	---	---	---	---	---	---	---	---	30E232CE	88.13	30E232CF	147.03
1-1/2-12	---	---	---	---	---	---	---	---	30E232FE	88.13	30E232FF	147.03
1-5/8 (5-1/2)	---	---	---	---	---	---	---	---	---	---	30E240CF	147.03
1-5/8-12	---	---	---	---	---	---	---	---	---	---	30E240FF	147.03
1-3/4-5	---	---	---	---	---	---	---	---	---	---	30E248CF	147.03
1-3/4-12	---	---	---	---	---	---	---	---	---	---	30E248FF	147.03
1-7/8-5	---	---	---	---	---	---	---	---	---	---	30E256CF	147.03
1-7/8-12	---	---	---	---	---	---	---	---	---	---	30E256FF	147.03
2" (4-1/2)	---	---	---	---	---	---	---	---	---	---	30E264CF	147.03
2"-12	---	---	---	---	---	---	---	---	---	---	30E264FF	147.03

30° Spiral Fluted Taper Pipe Tap

USA

HIGH SPEED M-7 STEEL

GROUND THREAD



30° SPIRAL FLUTED TAPER PIPE TAPS unique design in the flutes eliminate feeding problems. They are extremely effective when used in applications that produce long stringy chips. The action of the spiral flute lifts the chips from the hole being tapped, keeping the cutting surface and tap cooler; Therefore the 30° Spiral Fluted Pipe Tap will tap harder material at faster feed rates.

Packaging: All sizes individually packaged.

TAPER PIPE 30° SPIRAL FLUTED (NPT)

SERIES 2980

SIZE	THREADS PER INCH	NUMBER OF FLUTES	LENGTH OF THREAD	OVERALL LENGTH	USA EDP NUMBERS	LIST PRICE
1/8	27	4	3/4	2-1/8	298A108	\$56.05
1/4	18	4	1-1/16	2-7/16	298A116	56.05
3/8	18	4	1-1/16	2-9/16	298A124	59.90
1/2	14	4	1-3/8	3-1/8	298A132	92.79
3/4	14	5	1-3/8	3-1/4	298A148	132.33
1"	11-1/2	5	1-3/4	3-3/4	298A164	202.01
1-1/4	11-1/2	5	1-3/4	4"	298A216	286.06
1-1/2	11-1/2	7	1-3/4	4-1/4	298A232	385.76
2"	11-1/2	7	1-3/4	4-1/2	298A264	548.36

Screw Extractors

IMPORT

HIGH CARBON STEEL

LEFT HAND SPIRAL



These Screw Extractors are most useful in removing broken screws, bolts or other threaded items without damage to the threaded hole. A hole is first drilled into the broken part and the extractor is then inserted. By twisting to the left, the extractor will grip into the wall of the hole and the broken part can be backed out without damaging threads.

Packaging: #1 thru #4, 12 per package. #5 & #6, 6 per package. #7 & up individually packaged.

HELICAL FLUTE

IMPORT SERIES 9000E

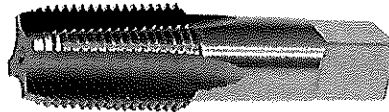
EXTRACTOR SIZES	CAPACITY INCHES		CAP MM	DRILL SIZE TO USE	EDP NUMBERS	LIST PRICE
	SCREW & BOLT SIZES	PIPE SIZES	SCREW & BOLT SIZES			
#1	3/16 to 1/4	----	2.5 to 6.0	5/64	9000E001	\$2.44
#2	1/4 to 5/16	----	6.0 to 8.0	7/64	9000E002	2.96
#3	5/16 to 7/16	-----	8.0 to 12.0	5/32	9000E003	3.75
#4	7/16 to 9/16	----	12.0 to 14.0	1/4	9000E004	3.96
#5	9/16 to 3/4	1/8 to 1/4	14.0 to 20.0	17/64	9000E005	4.27
#6	3/4 to 1"	3/8	20.0 to 24.0	13/32	9000E006	11.10
#7	1" to 1-3/8	1/2	24.0 to 35.0	17/32	9000E007	17.27
#8	1-3/8 to 1-3/4	3/4	35.0 to 44.0	13/16	9000E008	26.23
#9	1-3/4 to 2-1/8	1"	44.0 to 54.0	1-1/16	9000E009	47.46

Taper Pipe Taps

USA & IMPORT

HIGH SPEED STEEL

GROUND THREAD

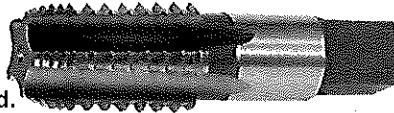


The nominal size of a Taper Pipe Tap is that of the pipe fitting to be tapped, not the actual size of the tap. The thread tapers 3/4 of an inch per foot. The Interrupted Thread Pipe Taps have every other thread removed except for the first few at the point. they are used for tapping tough metals or those which have a tendency to load the tap teeth. Straight Pipe Taps are used for hand and machine tapping of straight pipe threads.

Packaging: All sizes individually packaged.

TAPER PIPE (NPT)			IMPORT SERIES 2900E			USA SERIES 2900		
SIZE	THREADS PER INCH	NUMBER OF FLUTES	LENGTH OF THREAD	OVERALL LENGTH	IMPORT EDP NUMBERS	IMPORT LIST PRICE	USA EDP NUMBERS	USA LIST PRICE
1/16	27	4	11/16	2-1/8	290E104	\$20.20	290A104	\$32.49
1/8	27	4	3/4	2-1/8	290E108	20.20	290A108	32.49
1/4	18	4	1-1/16	2-7/16	290E116	22.67	290A116	35.84
3/8	18	4	1-1/16	2-9/16	290E124	29.36	290A124	43.07
1/2	14	4	1-3/8	3-1/8	290E132	46.86	290A132	67.73
3/4	14	5	1-3/8	3-1/4	290E148	73.05	290A148	96.57
1"	11-1/2	5	1-3/4	3-3/4	290E164	110.17	290A164	146.42
1-1/4	11-1/2	5	1-3/4	4"	290E216	155.97	290A216	206.52
1-1/2	11-1/2	7	1-3/4	4-1/4	290E232	213.05	290A232	277.77
2"	11-1/2	7	1-3/4	4-1/2	290E264	286.58	290A264	377.93
2-1/2	8	8	2-9/16	5-1/2	290E332	697.52	290A332	672.08
3"	8	8	2-5/8	6"	290E364	988.10	290A364	1,194.08
3-1/2	8	8	2-11/16	6-1/2	290E432	1,192.99	290A432	1,344.15
4"	8	8	2-3/4	6-3/4	290E464	1,627.99	290A464	2,022.75

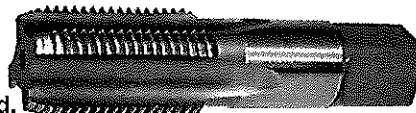
ALSO AVAILABLE IN NPTF & ANPT



Packaging: All sizes individually packaged.

INTERRUPTED THREAD (NPT)			IMPORT SERIES 2930E			USA SERIES 2930		
SIZE	THREADS PER INCH	NUMBER OF FLUTES	LENGTH OF THREAD	OVERALL LENGTH	2930E EDP NUMBERS	LIST PRICE	2930 EDP NUMBERS	LIST PRICE
1/16	27	5	11/16	2-1/8	293E104	\$26.54	-----	\$-----
1/8	27	5	3/4	2-1/8	293E108	30.45	293A108	45.41
1/4	18	5	1-1/16	2-7/16	293E116	32.63	293A116	48.48
3/8	18	5	1-1/16	2-9/16	293E124	43.72	293A124	58.86
1/2	14	5	1-3/8	3-1/8	293E132	71.78	293A132	90.18
3/4	14	5	1-3/8	3-1/4	293E148	101.14	293A148	117.58
1"	11-1/2	5	1-3/4	3-3/4	293E164	156.17	293A164	193.60
1-1/4	11-1/2	5	1-3/4	4"	293E216	217.94	293A216	275.09
1-1/2	11-1/2	7	1-3/4	4-1/2	293E232	295.15	293A232	370.23
2"	11-1/2	7	1-3/4	4-1/2	293E264	398.03	293A264	497.73

ALSO AVAILABLE IN NPTF & ANPT



Packaging: All sizes individually packaged.

STRAIGHT PIPE (NPS)			IMPORT SERIES 2950E			USA SERIES 2950		
SIZE	THREADS PER INCH	NUMBER OF FLUTES	LENGTH OF THREAD	OVERALL LENGTH	EDP NUMBERS	LIST PRICE	EDP NUMBERS	LIST PRICE
1/8	27	4	3/4	2-1/8	295E108	\$20.20	295A108	\$32.49
1/4	18	4	1-1/16	2-7/16	295E116	22.67	295A116	35.82
3/8	18	4	1-1/16	2-9/16	295E124	33.71	295A124	43.07
1/2	14	4	1-3/8	3-1/8	295E132	52.20	295A132	67.73
3/4	14	5	1-3/8	3-1/4	295E148	74.82	295A148	96.57
1"	11-1/2	5	1-3/4	3-3/4	295E164	114.54	295A164	146.42

ALSO AVAILABLE IN NPSF

Sur—Form Thread Forming Taps

MACHINE & FRACTIONAL HIGH SPEED M-7 STEEL GROUND THREAD



Packaging: 0 thru 1/4", 12 per box. 5/16" thru 1/2", 6 per box. 5/8", 3 per box. 3/4" individually packaged.

MADE IN USA SERIES 2090 PLUG & BOTT CHAMFER

TAP SIZE	NC	NF	UNC UNF	CLASS of FIT	EDP NO PLUG	EDP NO BOTTOM	LIST PRICE
0	--	80	UNF	2B-3G	209A000FP	209A000FB	\$29.62
1	64	--	UNC	2B-3G	209A001CP	209A001CB	29.62
1	--	72	UNF	2B-3G	209A001FP	209A001FB	29.62
2	56	--	UNC	2B-3G	209A002CP	209A002CB	29.43
2	--	64	UNF	2B-3G	209A002FP	209A002FB	29.43
3	48	--	UNC	2B-3G	209A003CP	209A003CB	29.43
3	--	56	UNF	2B-3G	209A003FP	209A003FB	29.43
4	40	--	UNC	2B-3G	209A004CP	209A004CB	26.95
4	--	48	UNF	2B-3G	209A004FP	209A004FB	26.95
5	40	--	UNC	2B-3G	209A005CP	209A005CB	26.95
5	--	44	UNF	2B-3G	209A005FP	209A005FB	26.95
6	32	--	UNC	2B-3G	209A006CP	209A006CB	21.99
6	32	--	UNC	Pre-Plate	209A006CPP	209A006CPB	21.99
6	--	40	UNF	2B-3G	209A006FP	209A006FB	21.99
8	32	--	UNC	2B-3G	209A008CP	209A008CB	21.99
8	32	--	UNC	Pre-Plate	209A008CPP	209A008CPB	21.99
8	--	36	UNF	2B-3G	209A008FP	209A008FB	21.99
10	24	--	UNC	2B-3G	209A010CP	209A010CB	21.99
10	24	--	UNC	Pre-Plate	209A010CPP	209A010CPB	21.99
10	--	32	UNF	2B-3G	209A010FP	209A010FB	21.99
10	--	32	UNF	Pre-Plate	209A010FPP	209A010FPB	21.99
12	24	--	UNC	2B-3G	209A012CP	209A012CB	23.29
12	--	28	UNF	2B-3B	209A012FP	209A012FB	23.29
1/4	20	--	UNC	2B-3G	209A116CP	209A116CB	22.45
1/4	20	--	UNC	Pre-Plate	209A116CPP	209A116CPB	22.45
1/4	--	28	UNF	2B-3G	209A116FP	209A116FB	22.45
1/4	--	28	UNF	Pre-Plate	209A116FPP	209A116FPB	22.45
5/16	18	--	UNC	2B-3G	209A120CP	209A120CB	25.97
5/16	18	--	UNC	Pre-Plate	209A120CPP	209A120CPB	25.97
5/16	--	24	UNF	2B-3G	209A120FP	209A120FB	25.97
5/16	--	24	UNF	Pre-Plate	209A120FPP	209A120FPB	25.97
3/8	16	--	UNC	2B-3G	209A124CP	209A124CB	29.43
3/8	16	--	UNC	Pre-Plate	209A124CPP	209A124CPB	29.43
3/8	--	24	UNF	2B-3G	209A124FP	209A124FB	29.43
3/8	--	24	UNF	Pre-Plate	209A124FPP	209A124FPB	29.43
7/16	14	--	UNC	2B-3G	209A128CP	209A128CB	43.46
7/16	--	20	UNF	2B-3G	209A128FP	209A128FB	43.46
1/2	13	--	UNC	2B-3G	209A132CP	209A132CB	50.70
1/2	--	20	UNF	2B-3G	209A132FP	209A132FB	50.70
5/8	11	--	UNC	2B-3G	209A140CP	209A140CB	72.49
5/8	11	--	UNF	Pre-Plate	209A140CPP	209A140CPB	72.49
5/8	--	18	UNF	2B-3G	209A140FP	209A140FB	72.49
5/8	--	18	UNF	Pre-Plate	209A140FPP	209A140FPB	72.49
3/4	10	--	UNC	2B-3G	209A148CP	209A148CB	101.72
3/4	10	--	UNC	Pre-Plate	209A148CPP	209A148CPB	101.72
3/4	--	16	UNF	2B-3G	209A148FP	209A148FB	101.72
3/4	--	16	UNF	Pre-Plate	209A148FPP	209A148FPB	101.72

Formula for Special
Sur-Form Tap Drill Size

Basic Major Diameter	Minus X	=	Drill Size
X = $\frac{.510}{TPI}$			for 75% Thread
X = $\frac{.476}{TPI}$			for 70% Thread
X = $\frac{.446}{TPI}$			for 65% Thread
X = $\frac{.408}{TPI}$			for 60% Thread
X = $\frac{.374}{TPI}$			for 55% Thread

Example:
(Using 75% formula for 10-32)

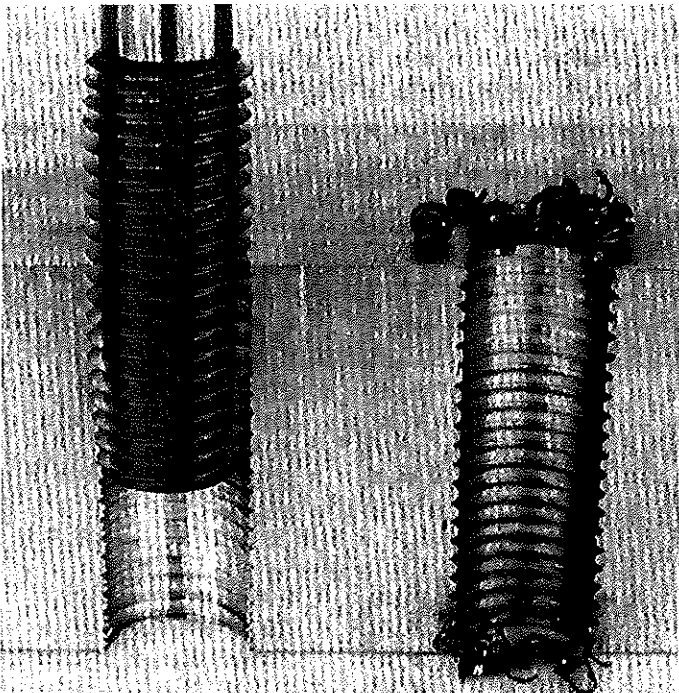
$$\frac{.510}{32 \text{ (pitch)}} = \frac{X}{.0159}$$

(#10 = .190)
80

.190 - .0159 = .174 (drill size)

Sur—Form Thread Forming Taps

HERE'S THE *Sur—Form* DIFFERENCE COLD-FORMING VS CUTTING



Sur-Form cold forming taps do not cut threads like conventional taps. They displace metal without removing it, whereas conventional cutting taps actually remove the metal in the form of chips

The above aluminum alloy test block was tapped with a *Sur-Form* on the left and a conventional tap on the right. Because *Sur-Form* taps produce no chips, you avoid the problem of metal chip disposal.

THE *Sur-Form* CHOICE IS A SIMPLE ONE. After extensive research, it was detected, that materials such as aluminum, brass, copper, low carbon steels, zinc and 302, 303 stainless steel are well-suited for tapping with a cold-forming tool.

Cold forming **ELIMINATES THE PROBLEM OF CHIP DISPOSAL**. Thus many blind hole applications can be solved with a cold-forming tap.

Sur-Form taps produce **BETTER THREADS** because they, 1) produce no chips that cause over-loading and oversized threads; 2) eliminates the problem of tearing threads; 3) improve flank finish due to the cold-forming process.

Sur-Form taps **LAST UP TO FIVE TIMES LONGER** than conventional taps. No flutes means increased thread strength and less tap breakage.

LUBRICATION GROOVES enable air to escape and the coolant to penetrate the work area.

In most cases, **SPEED CAN BE INCREASED** by 200% with a *Sur-Form* tap compared to a conventional one.

Sur-Form TAP DRILL SIZES

TAP SIZE	T.P.I.	75% THREAD			65% THREAD			55% THREAD			
		NO. OF FLUTES	THEOR. HOLE SIZE	NEAREST DRILL SIZE	DECIMAL EQUIV.	THEOR. HOLE SIZE	NEAREST DRILL SIZE	DECIMAL EQUIV.	THEOR. HOLE SIZE	NEAREST DRILL SIZE	DECIMAL EQUIV.
0	80	.0530	1.36mm	.0531	.0546	.64	.0650	.0653	.64	.0530	
	64	.0650	1.65mm	.0650	.0681	1.65mm	.0650	.0672	51	.0670	
1	72	.0659	1.65mm	.0650	.0669	1.7mm	.0669	.0676	51	.0670	
	56	.0769	1.95mm	.0768	.0781	1/4	.0781	.0793	2mm	.0787	
2	64	.0780	1/4	.0781	.0791	2mm	.0787	.0802	2.05mm	.0807	
	48	.0884	2.25mm	.0886	.0898	.43	.0890	.0912	2.3mm	.0906	
3	56	.0899	.43	.0890	.0911	2.3mm	.0906	.0923	2.35mm	.0926	
	40	.0992	.39	.0995	1.009	.39	.0995	.1026	2.8mm	.1024	
4	48	.1014	.38	.1016	.1026	2.6mm	.1024	.1042	28	.1045	
	40	.1122	.34	.1100	.1139	.33	.1130	.1156	32	.1180	
5	44	.1134	.33	.1130	.1150	2.9mm	.1142	.1165	32	.1180	
	32	.1221	3.10mm	.1220	.1242	1/4	.1260	.1263	3.2mm	.1260	
6	40	.1262	1/4	.1250	.1269	3.2mm	.1260	.1288	30	.1285	
	32	.1481	3.76mm	.1476	.1502	3.6mm	.1496	.1523	24	.1520	
8	38	.1498	.25	.1495	.1517	24	.1520	.1536	3.9mm	.1535	
	24	.1687	4.3mm	.1693	.1716	1/4	.1719	.1744	17	.1730	
10	19	.1741	4.4mm	.1732	.1762	18	.1770	.1783	16	.1800	

TAP SIZE	T.P.I.	75% THREAD			65% THREAD			55% THREAD			
		NO. OF FLUTES	THEOR. HOLE SIZE	NEAREST DRILL SIZE	DECIMAL EQUIV.	THEOR. HOLE SIZE	NEAREST DRILL SIZE	DECIMAL EQUIV.	THEOR. HOLE SIZE	NEAREST DRILL SIZE	DECIMAL EQUIV.
12	24	.1947	.10	.1936	.1976	5mm	.1968	.2004	5.1mm	.2006	
	28	.1978	5mm	.1968	.2002	5	.1990	.2026	1/4	.2031	
1/4	20	.2245	5.7mm	.2244	.2279	1	.2280	.2313	5.9mm	.2323	
	28	.2318	5.8mm	.2323	.2342	A	.2340	.2366	6mm	.2362	
5/16	16	.2642	7.2mm	.2635	.2679	7.3mm	.2674	.2717	7.4mm	.2713	
	24	.2912	7.4mm	.2913	.2941	M	.2950	.2969	1/4	.2969	
3/8	16	.3431	8.7mm	.3425	.3474	S	.3480	.3518	8.9mm	.3504	
	24	.3637	9mm	.3643	.3666	9mm	.3643	.3694	1/4	.3694	
7/16	14	.4011	X	.3970	.4069	Y	.4040	.4108	1/4	.4062	
	20	.4120	Z	.4130	.4164	10.5mm	.4134	.4186			
1/2	19	.4606			.4600			.4712	1/4	.4698	
	20	.4745	12mm	.4724	.4779			.4813			
9/16	12	.5200	1 1/4	.5166	.5267			.5313	1 1/4	.5312	
	18	.5342	13.6mm	.5316	.5379			.5417			
5/8	11	.5796	1 1/2	.5761	.5848			.5910	15mm	.5906	
	16	.5987	1 1/2	.5938	.6004			.6042			
3/4	10	.6990			.7068	1 1/4	.7031	.7128			
	16	.7181	2 1/4	.7188	.7224			.7266			

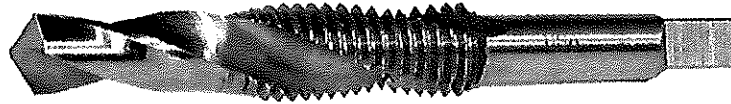
Combined Tap and Drill

MADE IN USA

HIGH SPEED M-7 STEEL

GROUND THREAD

COATING
TIN
AVAILABLE



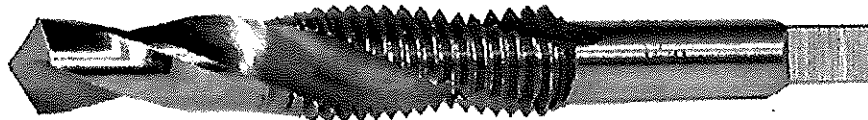
Performing two operations with a single tool will usually reduce the manufacturing cost of a part. These Combined Tap and Drills are designed for this purpose. The drill section produces a hole correctly sized for approximately 75% thread. They can be used on multi-spindle or hand held drill operations. The 118° helical point eliminates the need for a center punch or center drilling.

Packaging: 4-40 thru 1/4-28, 12 per box. 5/16-18 thru 1/2-20, 6 per box.

MACHINE & FRACTIONAL SIZES

SERIES 2050

TAP DIMENSIONS			DRILL DIMENSIONS			OVERALL LENGTH	EDP NUMBERS	LIST PRICE
TAP SIZE	THREADS PER INCH	THREAD LENGTH	DRILL SIZE DECIMAL	DRILL SIZE	FLUTE LENGTH			
4	40	9/16	.0890	43	1/4	1-7/8	205A004C	\$32.49
4	48	9/16	.0930	---	1/4	1-7/8	205A004F	35.10
5	40	5/8	.1015	38	9/32	1-15/16	205A005C	32.49
5	44	5/8	.1040	37	9/32	1-15/16	205A005F	35.10
6	32	11/16	.1095	---	5/16	2"	205A006C	32.49
6	40	11/16	.1150	---	5/16	2"	205A006F	35.10
8	32	3/4	.1360	29	3/8	2-1/8	205A008C	32.49
8	36	3/4	.1385	---	3/8	2-1/8	205A008F	32.49
10	24	7/8	.1520	24	13/32	2-3/8	205A010C	32.49
10	32	7/8	.1610	20	13/32	2-3/8	205A010F	32.49
12	24	7/8	.1770	16	15/32	2-3/8	205A012C	32.49
12	28	7/8	.1835	---	15/32	2-3/8	205A012F	35.10
1/4	20	15/16	.2010	7	17/32	2-1/2	205A116C	32.49
1/4	28	15/16	.2175	---	17/32	2-1/2	205A116F	32.49
5/16	18	1-1/8	.2570	F	11/16	3"	205A120C	45.24
5/16	24	1-1/8	.2720	I	11/16	3"	205A120F	45.24
3/8	16	1-1/4	.3125	5/16	13/16	3-1/2	205A124C	54.81
3/8	24	1-1/4	.3345	---	13/16	3-1/2	205A124F	54.81
7/16	14	1-7/16	.3680	---	1"	3-7/8	205A128C	69.56
7/16	20	1-7/16	.3890	---	1"	3-7/8	205A128F	69.56
1/2	13	1-21/32	.4250	---	1-1/8	4-1/4	205A132C	78.56
1/2	20	1-21/32	.4510	---	1-1/8	4-1/4	205A132F	78.56



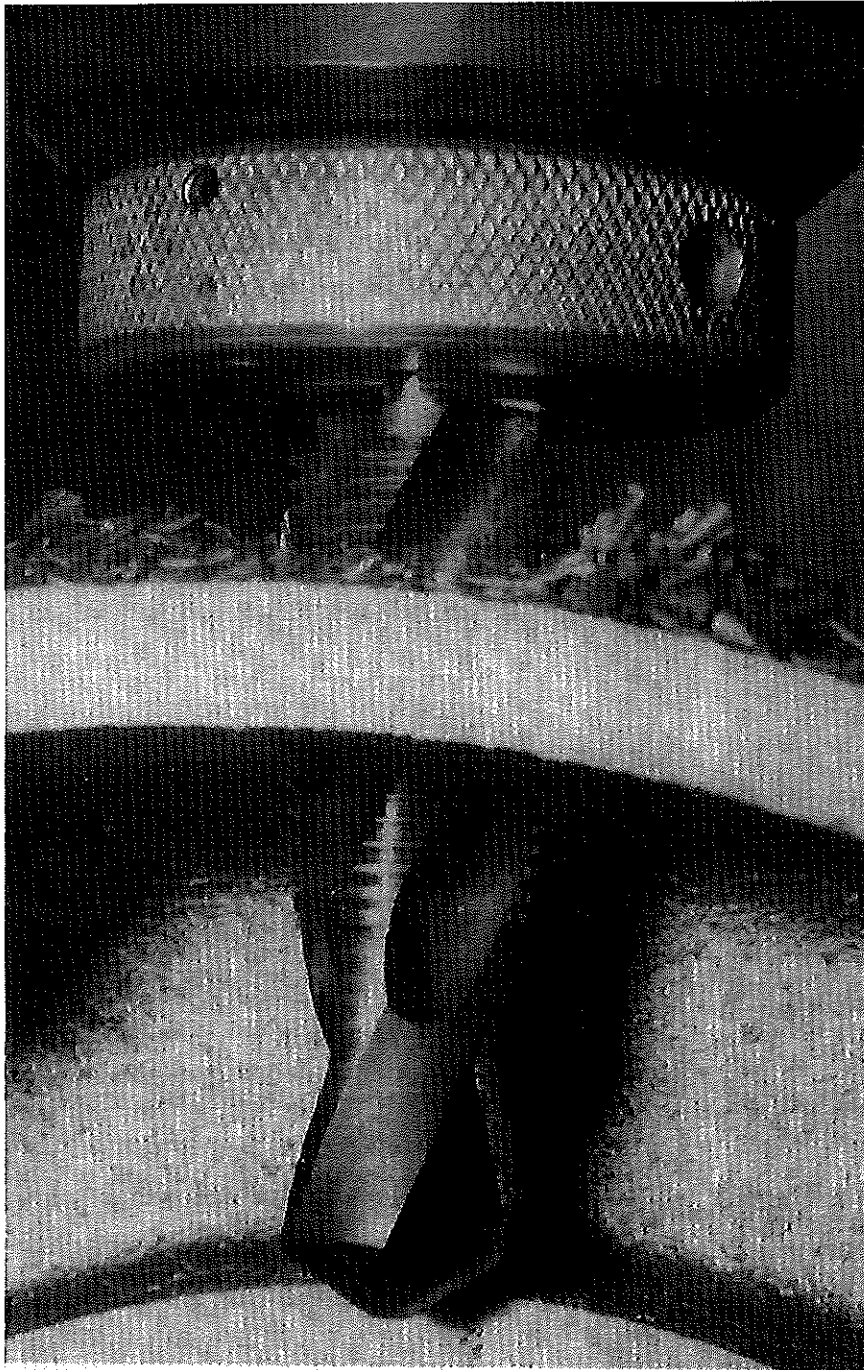
Packaging: Individually packaged.

TAPER PIPE SIZES

SERIES 2960

TAP DIMENSIONS		DRILL DIMENSIONS		OVERALL LENGTH	EDP NUMBERS	LIST PRICE
TAP SIZE	THREAD LENGTH	DRILL SIZE	FLUTE LENGTH			
1/16-27	11/16	1/4	1/2	2-1/2	296A104	\$140.29
1/8-27	3/4	R	3/4	2-13/16	296A108	150.73
1/4-18	1-1/16	7/16	7/8	3-5/16	296A116	156.95
3/8-18	1-1/16	37/64	15/16	3-1/2	296A124	237.51
1/2-14	1-3/8	45/64	1"	4-1/8	296A132	299.85
3/4-14	1-3/8	59/64	1-1/8	4-3/8	296A148	299.85
1"-11-1/2	1-3/4	1-5/32	1-1/4	5"	296A164	505.69

Special Unipass™ Drill 'N Taps



One Shot Solution

Unipass™ Combination Drill 'N Taps

Useful in reducing the number of machining operations, the Unipass™ Drill 'N Tap is capable of greatly improved productivity and reduced material handling.

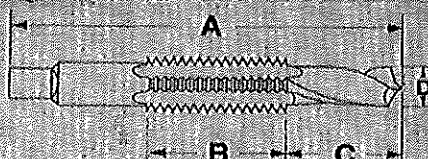
Unipass™ is designed to drill and tap through holes up to 2X nominal diameter. The drill section must protrude through the material before tapping begins.

CNC Possibilities

Unipass™ lends itself to CNC applications where tool accuracy and repeatability are most important. A programmer's ability to change cutting speeds instantaneously from drilling to tapping rates greatly enhances tool performance. And, this combination tool reduces the number of tool stations required on your automatic tool changer.

How to Order Special Unipass™ Drill 'N Taps

Although DrillCo Cutting Tools has a complete size range of standard Unipass™ tools in UNC, UNF, metric and pipe, there are many situations requiring special variations. If you have a special requirement, provide the following information:



A-Overall Length
B-Thread Length
C-Drill Length
D-Drill Diameter
(Indicate straight or spiral flute)

TAP SIZES	NC	EDP NUMBERS			LIST PRICE
		TAPER	PLUG	BOTTOM	
1-1/16	10	22E204T10	22E204P10	22E204B10	93.49
1-1/16	12	22E204T12	22E204P12	22E204B12	93.49
1-1/16	14	22E204T14	22E204P14	22E204B14	106.64
1-1/16	16	22E204T16	22E204P16	22E204B16	106.64
1-1/16	18	22E204T18	22E204P18	22E204B18	106.64
1-1/16	20	22E204T20	22E204P20	22E204B20	106.64
1-1/16	24	22E204T24	22E204P24	22E204B24	106.64
1-1/16	32	22E204T32	22E204P32	22E204B32	106.64
1-1/8	10	22E208T10	22E208P10	22E208B10	106.64
1-1/8	16	22E208T16	22E208P16	22E208B16	106.64
1-1/8	18	22E208T18	22E208P18	22E208B18	106.64
1-1/8	20	22E208T20	22E208P20	22E208B20	106.64
1-1/8	24	22E208T24	22E208P24	22E208B24	106.64
1-1/8	27	22E208T27	22E208P27	22E208B27	106.64
1-1/8	32	22E208T32	22E208P32	22E208B32	106.64
1-3/16	10	22E212T10	22E212P10	22E212B10	138.59
1-3/16	12	22E212T12	22E212P12	22E212B12	118.62
1-3/16	14	22E212T14	22E212P14	22E212B14	135.54
1-3/16	16	22E212T16	22E212P16	22E212B16	135.54
1-3/16	18	22E212T18	22E212P18	22E212B18	135.54
1-3/16	20	22E212T20	22E212P20	22E212B20	135.54
1-3/16	24	22E212T24	22E212P24	22E212B24	135.54
1-1/16	32	22E212T32	22E212P32	22E212B32	135.54
1-1/4	10	22E216T10	22E216P10	22E216B10	138.58
1-1/4	14	22E216T14	22E216P14	22E216B14	135.54
1-1/4	16	22E216T16	22E216P16	22E216B16	135.54
1-1/4	18	22E216T18	22E216P18	22E216B18	135.54
1-1/4	20	22E216T20	22E216P20	22E216B20	135.54
1-1/4	24	22E216T24	22E216P24	22E216B24	135.54
1-1/4	26	22E216T26	22E216P26	22E216B26	135.54
1-1/4	32	22E216T32	22E216P32	22E216B32	135.54
1-5/16	12	22E220T12	22E220P12	22E220B12	149.16
1-5/16	14	22E220T14	22E220P14	22E220B14	171.48
1-5/16	16	22E220T16	22E220P16	22E220B16	171.48
1-5/16	18	22E220T18	22E220P18	22E220B18	171.48
1-5/16	20	22E220T20	22E220P20	22E220B20	171.48
1-3/8	10	22E224T10	22E224P10	22E224B10	172.18
1-3/8	14	22E224T14	22E224P14	22E224B14	171.48
1-3/8	16	22E224T16	22E224P16	22E224B16	171.48
1-3/8	18	22E224T18	22E224P18	22E224B18	171.48
1-3/8	20	22E224T20	22E224P20	22E224B20	171.48
1-3/8	24	22E224T24	22E224P24	22E224B24	171.48
1-7/16	12	22E228T12	22E228P12	22E228B12	210.00
1-7/16	16	22E228T16	22E228P16	22E228B16	210.00
1-7/16	18	22E228T18	22E228P18	22E228B18	210.00
1-7/16	20	22E228T20	22E228P20	22E228B20	210.00
1-1/2	10	22E232T10	22E232P10	22E232B10	213.99
1-1/2	14	22E232T14	22E232P14	22E232B14	211.68
1-1/2	16	22E232T16	22E232P16	22E232B16	211.68
1-1/2	18	22E232T18	22E232P18	22E232B18	211.68
1-1/2	20	22E232T20	22E232P20	22E232B20	211.68
1-1/2	24	22E232T24	22E232P24	22E232B24	211.68
1-1/2	32	22E232T32	22E232P32	22E232B32	211.68
1-9/16	12	22E236T12	22E236P12	22E236B12	225.97
1-9/16	16	22E236T16	22E236P16	22E236B16	225.97
1-9/16	18	22E236T18	22E236P18	22E236B18	225.97
1-9/16	20	22E236T20	22E236P20	22E236B20	225.97
1-5/8	5-1/2	22E240T55	22E240P55	22E240B55	197.54
1-5/8	10	22E240T10	22E240P10	22E240B10	243.12
1-5/8	12	22E240T12	22E240P12	22E240B12	163.26
1-5/8	16	22E240T16	22E240P16	22E240B16	238.42
1-5/8	18	22E240T18	22E240P18	22E240B18	238.42
1-5/8	20	22E240T20	22E240P20	22E240B20	238.42

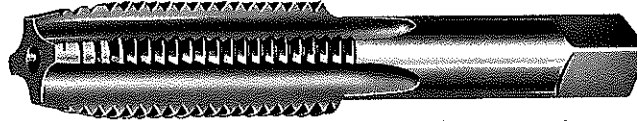
TAP SIZES	NC	EDP NUMBERS			LIST PRICE
		TAPER	PLUG	BOTTOM	
1-11/16	12	22E244T12	22E244P12	22E244B12	238.42
1-11/16	16	22E244T16	22E244P16	22E244B16	238.42
1-11/16	18	22E244T18	22E244P18	22E244B18	238.42
1-11/16	20	22E244T20	22E244P20	22E244B20	238.42
1-3/4	5	22E248T05	22E248P05	22E248B05	229.97
1-3/4	6	22E248T06	22E248P06	22E248B06	261.91
1-3/4	10	22E248T10	22E248P10	22E248B10	266.61
1-3/4	12	22E248T12	22E248P12	22E248B12	181.34
1-3/4	14	22E248T14	22E248P14	22E248B14	261.91
1-3/4	16	22E248T16	22E248P16	22E248B16	261.91
1-3/4	18	22E248T18	22E248P18	22E248B18	261.91
1-3/4	20	22E248T20	22E248P20	22E248B20	204.83
1-3/4	24	22E248T24	22E248P24	22E248B24	204.83
1-13/16	16	22E252T16	22E252P16	22E252B16	261.91
1-7/8	5	22E256T05	22E256P05	22E256B05	313.59
1-7/8	10	22E256T10	22E256P10	22E256B10	317.12
1-7/8	12	22E256T12	22E256P12	22E256B12	200.37
1-7/8	16	22E256T16	22E256P16	22E256B16	226.44
1-7/8	18	22E256T18	22E256P18	22E256B18	226.44
1-7/8	20	22E256T20	22E256P20	22E256B20	226.44
1-15/16	12	22E260T12	22E260P12	22E260B12	256.04
1-15/16	16	22E260T16	22E260P16	22E260B16	256.04
1-15/16	18	22E260T18	22E260P18	22E260B18	256.04
2"	4-1/2	22E264T45	22E264P45	22E264B45	295.97
2"	6	22E264T06	22E264P06	22E264B06	295.97
2"	10	22E264T10	22E264P10	22E264B10	339.43
2"	12	22E264T12	22E264P12	22E264B12	217.52
2"	14	22E264T14	22E264P14	22E264B14	246.65
2"	16	22E264T16	22E264P16	22E264B16	246.65
2"	18	22E264T18	22E264P18	22E264B18	246.65
2"	20	22E264T20	22E264P20	22E264B20	246.65
2-1/16	12	22E304T12	22E304P12	22E304B12	287.75
2-1/8	12	22E308T12	22E308P12	22E308B12	300.67
2-1/4	4-1/2	22E316T45	22E316P45	22E316B45	408.73
2-1/4	12	22E316T12	22E316P12	22E316B12	313.59
2-1/4	14	22E316T14	22E316P14	22E316B14	361.75
2-1/4	16	22E316T16	22E316P16	22E316B16	361.75
2-1/4	18	22E316T18	22E316P18	22E316B18	361.75
2-5/16	12	22E320T12	22E320P12	22E320B12	530.51
2-5/16	14	22E320T14	22E320P14	22E320B14	530.51
2-3/8	12	22E324T12	22E324P12	22E324B12	371.14
2-3/8	16	22E324T16	22E324P16	22E324B16	371.14
2-3/8	18	22E324T18	22E324P18	22E324B18	371.14
2-1/2	4	22E332T04	22E332P04	22E332B04	486.24
2-1/2	12	22E332T12	22E332P12	22E332B12	382.29
2-1/2	16	22E332T16	22E332P16	22E332B16	460.60
2-5/8	12	22E340T12	22E340P12	22E340B12	530.21
2-5/8	16	22E340T16	22E340P16	22E340B16	530.21
2-3/4	12	22E348T12	22E348P12	22E348B12	451.01
2-3/4	16	22E348T16	22E348P16	22E348B16	716.45
2-7/8	12	22E356T12	22E356P12	22E356B12	772.82
3"	4	22E364T04	22E364P04	22E364B04	711.75
3"	12	22E364T12	22E364P12	22E364B12	516.78
3"	16	22E364T16	22E364P16	22E364B16	819.80
3"	18	22E364T18	22E364P18	22E364B18	819.80
3-1/8	12	22E408T12	22E408P12	22E408B12	1,019.47
3-1/4	12	22E416T12	22E416P12	22E416B12	1,019.47
3-3/8	12	22E424T12	22E424P12	22E424B12	1,059.40
3-1/2	4	22E432T04	22E432P04	22E432B04	1,059.40
3-1/2	12	22E432T12	22E432P12	22E432B12	749.33
3-3/4	12	22E448T12	22E448P12	22E448B12	1,296.65
4"	12	22E464T12	22E464P12	22E464B12	920.81

"Special Thread" Taps

FRACTIONAL SIZES

HIGH SPEED M-2 STEEL

GROUND THREAD



"Hand Taps" are the most popular style in general machine tapping operations and are appropriate for the vast majority of materials and conditions. They are for general use in production tapping or hand operations. Taper, Plug and Bottoming styles provide great versatility in tough materials, blind and thru holes. Taper Style - Starts the thread square with the workpiece. Plug Style-Generally used in thru holes. Bottoming Style-Generates the thread to the bottom.

Packaging: All taps are individually packaged.

IMPORT

SERIES 2200E

TAPER, PLUG & BOTTOM

TAP SIZES	Threads PER INCH	EDP NUMBERS			LIST PRICE EACH
		TAPER	PLUG	BOTTOM	
1/4	24	22E116T24	22E116P24	22E116B24	7.06
1/4	32	22E116T32	22E116P32	22E116B32	7.06
1/4	36	22E116T36	22E116P36	22E116B36	7.06
1/4	40	22E116T40	22E116P40	22E116B40	7.06
9/32	32	22E118T32	22E118P32	22E118B32	8.63
9/32	40	22E118T40	22E118P40	22E118B40	8.63
5/16	20	22E120T20	22E120P20	22E120B20	8.63
5/16	22	22E120T22	22E120P22	22E120B22	8.63
5/16	32	22E120T32	22E120P32	22E120B32	8.63
5/16	36	22E120T36	22E120P36	22E120B36	8.63
5/16	40	22E120T40	22E120P40	22E120B40	8.63
11/32	32	22E122T32	22E122P32	22E122B32	9.94
3/8	14	22E124T14	22E124P14	22E124B14	9.94
3/8	18	22E124T18	22E124P18	22E124B18	9.94
3/8	20	22E124T20	22E124P20	22E124B20	9.94
3/8	32	22E124T32	22E124P32	22E124B32	9.94
7/16	24	22E128T24	22E128P24	22E128B24	15.82
7/16	27	22E128T27	22E128P27	22E128B27	15.82
15/32	32	22E130T32	22E130P32	22E130B32	17.78
1/2	12	22E132T12	22E132P12	22E132B12	17.78
1/2	14	22E132T14	22E132P14	22E132B14	17.78
1/2	16	22E132T16	22E132P16	22E132B16	17.78
1/2	18	22E132T18	22E132P18	22E132B18	17.78
1/2	24	22E132T24	22E132P24	22E132B24	17.78
1/2	28	22E132T28	22E132P28	22E132B28	17.78
1/2	32	22E132T32	22E132P32	22E132B32	17.78
1/2	40	22E132T40	22E132P40	22E132B40	17.78
9/16	16	22E136T16	22E136P16	22E136B16	21.58
9/16	20	22E136T20	22E136P20	22E136B20	21.58
9/16	24	22E136T24	22E136P24	22E136B24	21.58
9/16	27	22E136T27	22E136P27	22E136B27	21.58
9/16	28	22E136T28	22E136P28	22E136B28	21.58
9/16	30	22E136T30	22E136P30	22E136B30	21.58
9/16	32	22E136T32	22E136P32	22E136B32	21.58
9/16	40	22E136T40	22E136P40	22E136B40	21.58
5/8	12	22E140T12	22E140P12	22E140B12	26.41
5/8	14	22E140T14	22E140P14	22E140B14	26.41
5/8	16	22E140T16	22E140P16	22E140B16	26.41
5/8	20	22E140T20	22E140P20	22E140B20	26.41
5/8	24	22E140T24	22E140P24	22E140B24	26.41
5/8	26	22E140T26	22E140P26	22E140B26	26.41
5/8	27	22E140T27	22E140P27	22E140B27	26.41
5/8	28	22E140T28	22E140P28	22E140B28	26.41
5/8	32	22E140T32	22E140P32	22E140B32	26.41
5/8	36	22E140T36	22E140P36	22E140B36	26.41
5/8	40	22E140T40	22E140P40	22E140B40	26.41

TAP SIZES	Threads PER INCH	EDP NUMBERS			LIST PRICE EACH
		TAPER	PLUG	BOTTOM	
11/16	12	22E144T12	22E144P12	22E144B12	29.15
11/16	18	22E144T18	22E144P18	22E144B18	29.15
11/16	20	22E144T20	22E144P20	22E144B20	29.15
11/16	24	22E144T24	22E144P24	22E144B24	29.15
11/16	27	22E144T27	22E144P27	22E144B27	29.15
3/4	12	22E148T12	22E148P12	22E148B12	37.27
3/4	14	22E148T14	22E148P14	22E148B14	37.27
3/4	18	22E148T18	22E148P18	22E148B18	37.27
3/4	20	22E148T20	22E148P20	22E148B20	37.27
3/4	24	22E148T24	22E148P24	22E148B24	37.27
3/4	26	22E148T26	22E148P26	22E148B26	37.27
3/4	27	22E148T27	22E148P27	22E148B27	37.27
3/4	28	22E148T28	22E148P28	22E148B28	37.27
3/4	32	22E148T32	22E148P32	22E148B32	37.27
3/4	36	22E148T36	22E148P36	22E148B36	37.27
13/16	12	22E152T12	22E152P12	22E152B12	47.20
13/16	14	22E152T14	22E152P14	22E152B14	47.20
13/16	16	22E152T16	22E152P16	22E152B16	47.20
13/16	18	22E152T18	22E152P18	22E152B18	47.20
13/16	20	22E152T20	22E152P20	22E152B20	47.20
13/16	24	22E152T24	22E152P24	22E152B24	47.20
13/16	28	22E152T28	22E152P28	22E152B28	52.57
13/16	32	22E152T32	22E152P32	22E152B32	52.57
13/16	36	22E152T36	22E152P36	22E152B36	52.57
7/8	16	22E156T16	22E156P16	22E156B16	51.39
7/8	18	22E156T18	22E156P18	22E156B18	51.39
7/8	20	22E156T20	22E156P20	22E156B20	51.39
7/8	24	22E156T24	22E156P24	22E156B24	51.39
7/8	27	22E156T27	22E156P27	22E156B27	51.39
7/8	32	22E156T32	22E156P32	22E156B32	51.39
7/8	40	22E156T40	22E156P40	22E156B40	51.39
15/16	12	22E160T12	22E160P12	22E160B12	58.73
15/16	16	22E160T16	22E160P16	22E160B16	58.73
15/16	18	22E160T18	22E160P18	22E160B18	58.73
15/16	20	22E160T20	22E160P20	22E160B20	58.73
15/16	24	22E160T24	22E160P24	22E160B24	58.73
15/16	27	22E160T27	22E160P27	22E160B27	58.73
15/16	32	22E160T32	22E160P32	22E160B32	58.73
1"	10	22E164T10	22E164P10	22E164B10	62.77
1"	16	22E164T16	22E164P16	22E164B16	62.77
1"	18	22E164T18	22E164P18	22E164B18	62.77
1"	20	22E164T20	22E164P20	22E164B20	62.77
1"	24	22E164T24	22E164P24	22E164B24	62.77
1"	26	22E164T26	22E164P26	22E164B26	62.77
1"	27	22E164T27	22E164P27	22E164B27	62.77
1"	28	22E164T28	22E164P28	22E164B28	62.77
1"	32	22E164T32	22E164P32	22E164B32	62.77
1"	36	22E164T36	22E164P36	22E164B36	62.77
1"	40	22E164T40	22E164P40	22E164B40	62.77

TAP SIZES	NC	EDP NUMBERS			LIST PRICE
		TAPER	PLUG	BOTTOM	
11/16	11	22A144T11	22A144P11	22A144B11	24 HOUR DELIVERY CALL FOR PRICE
11/16	16	22A144T16	22A144P16	22A144B16	
11/16	18	22A144T18	22A144P18	22A144B18	
11/16	20	22A144T20	22A144P20	22A144B20	
11/16	24	22A144T24	22A144P24	22A144B24	
11/16	28	22A144T28	22A144P28	22A144B28	
11/16	32	22A144T32	22A144P32	22A144B32	
3/4	12	22A148T12	22A148P12	22A148B12	
3/4	14	22A148T14	22A148P14	22A148B14	
3/4	18	22A148T18	22A148P18	22A148B18	
3/4	20	22A148T20	22A148P20	22A148B20	
3/4	24	22A148T24	22A148P24	22A148B24	
3/4	27	22A148T27	22A148P27	22A148B27	
3/4	32	22A148T32	22A148P32	22A148B32	
3/4	40	22A148T40	22A148P40	22A148B40	
13/16	10	22A152T10	22A152P10	22A152B10	
13/16	12	22A152T12	22A152P12	22A152B12	
13/16	16	22A152T16	22A152P16	22A152B16	
13/16	18	22A152T18	22A152P18	22A152B18	
13/16	20	22A152T20	22A152P20	22A152B20	
13/16	24	22A152T24	22A152P24	22A152B24	
7/8	10	22A156T10	22A156P10	22A156B10	
7/8	12	22A156T12	22A156P12	22A156B12	
7/8	16	22A156T16	22A156P16	22A156B16	
7/8	18	22A156T18	22A156P18	22A156B18	
7/8	20	22A156T20	22A156P20	22A156B20	
7/8	24	22A156T24	22A156P24	22A156B24	
7/8	27	22A156T27	22A156P27	22A156B27	
7/8	32	22A156T32	22A156P32	22A156B32	
15/16	12	22A160T12	22A160P12	22A160B12	
15/16	14	22A160T14	22A160P14	22A160B14	
15/16	16	22A160T16	22A160P16	22A160B16	
15/16	18	22A160T18	22A160P18	22A160B18	
15/16	20	22A160T20	22A160P20	22A160B20	
15/16	32	22A160T32	22A160P32	22A160B32	
1"	10	22A164T10	22A164P10	22A164B10	
1"	11	22A164T11	22A164P11	22A164B11	
1"	14	22A164T14	22A164P14	22A164B14	
1"	16	22A164T16	22A164P16	22A164B16	
1"	18	22A164T18	22A164P18	22A164B18	
1"	20	22A164T20	22A164P20	22A164B20	
1"	24	22A164T24	22A164P24	22A164B24	
1"	27	22A164T27	22A164P27	22A164B27	
1"	32	22A164T32	22A164P32	22A164B32	
1-1/16	12	22A204T12	22A204P12	22A204B12	
1-1/16	14	22A204T14	22A204P14	22A204B14	
1-1/16	16	22A204T16	22A204P16	22A204B16	
1-1/16	18	22A204T18	22A204P18	22A204B18	
1-1/16	20	22A204T20	22A204P20	22A204B20	
1-1/16	24	22A204T24	22A204P24	22A204B24	
1-1/8	10	22A208T10	22A208P10	22A208B10	
1-1/8	14	22A208T14	22A208P14	22A208B14	
1-1/8	16	22A208T16	22A208P16	22A208B16	
1-1/8	18	22A208T18	22A208P18	22A208B18	
1-1/8	20	22A208T20	22A208P20	22A208B20	
1-1/8	24	22A208T24	22A208P24	22A208B24	
1-1/8	28	22A208T28	22A208P28	22A208B28	
1-1/8	32	22A208T32	22A208P32	22A208B32	
1-3/16	12	22A212T12	22A212P12	22A212B12	
1-3/16	14	22A212T14	22A212P14	22A212B14	
1-3/16	16	22A212T16	22A212P16	22A212B16	
1-3/16	18	22A212T18	22A212P18	22A212B18	
1-1/16	20	22A212T20	22A212P20	22A212B20	
1-1/4	10	22A216T10	22A216P10	22A216B10	
1-1/4	14	22A216T14	22A216P14	22A216B14	
1-1/4	16	22A216T16	22A216P16	22A216B16	
1-1/4	18	22A216T18	22A216P18	22A216B18	

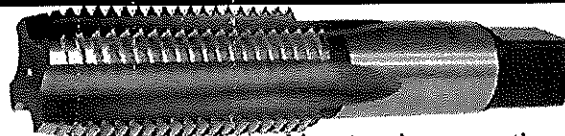
TAP SIZES	NC	EDP NUMBERS			LIST PRICE
		TAPER	PLUG	BOTTOM	
1-1/4	20	22A216T20	22A216P20	22A216B20	24 HOUR DELIVERY CALL FOR PRICE
1-1/4	24	22A216T24	22A216P24	22A216B24	
1-1/4	32	22A216T32	22A216P32	22A216B32	
1-5/16	12	22A220T12	22A220P12	22A220B12	
1-5/16	14	22A220T14	22A220P14	22A220B14	
1-5/16	16	22A220T16	22A220P16	22A220B16	
1-5/16	18	22A220T18	22A220P18	22A220B18	
1-5/16	20	22A220T20	22A220P20	22A220B20	
1-3/8	10	22A224T10	22A224P10	22A224B10	
1-3/8	16	22A224T16	22A224P16	22A224B16	
1-3/8	18	22A224T18	22A224P18	22A224B18	
1-3/8	20	22A224T20	22A224P20	22A224B20	
1-7/16	18	22A228T18	22A228P18	22A228B18	
1-1/2	10	22A232T10	22A232P10	22A232B10	
1-1/2	16	22A232T16	22A232P16	22A232B16	
1-1/2	18	22A232T18	22A232P18	22A232B18	
1-1/2	20	22A232T20	22A232P20	22A232B20	
1-1/2	24	22A232T24	22A232P24	22A232B24	
1-9/16	16	22A236T16	22A236P16	22A236B16	
1-9/16	18	22A236T18	22A236P18	22A236B18	
1-5/8	5-1/2	22A240T55	22A240P55	22A240B55	
1-5/8	12	22A240T12	22A240P12	22A240B12	
1-5/8	16	22A240T16	22A240P16	22A240B16	
1-5/8	18	22A240T18	22A240P18	22A240B18	
1-3/4	5	22A248T05	22A248P05	22A248B05	
1-3/4	10	22A248T10	22A248P10	22A248B10	
1-3/4	12	22A248T12	22A248P12	22A248B12	
1-3/4	16	22A248T16	22A248P16	22A248B16	
1-3/4	18	22A248T18	22A248P18	22A248B18	
1-7/8	5	22A256T05	22A256P05	22A256B05	
1-7/8	12	22A256T12	22A256P12	22A256B12	
1-7/8	16	22A256T16	22A256P16	22A256B16	
2"	4-1/2	22A264T45	22A264P45	22A264B45	
2"	12	22A264T12	22A264P12	22A264B12	
2"	16	22A264T16	22A264P16	22A264B16	
2"	20	22A264T20	22A264P20	22A264B20	
2-1/8	12	22A308T12	22A308P12	22A308B12	
2-1/8	16	22A308T16	22A308P16	22A308B16	
2-1/4	4-1/2	22A316T45	22A316P45	22A316B45	
2-1/4	12	22A316T12	22A316P12	22A316B12	
2-1/4	16	22A316T16	22A316P16	22A316B16	
2-3/8	12	22A324T12	22A324P12	22A324B12	
2-3/8	16	22A324T16	22A324P16	22A324B16	
2-1/2	4	22A332T04	22A332P04	22A332B04	
2-1/2	12	22A332T12	22A332P12	22A332B12	
2-1/2	16	22A332T16	22A332P16	22A332B16	
2-3/4	12	22A348T12	22A348P12	22A348B12	
3"	4	22A364T04	22A364P04	22A364B04	
3"	12	22A364T12	22A364P12	22A364B12	
3"	16	22A364T16	22A364P16	22A364B16	
3-1/8	12	22A408T12	22A408P12	22A408B12	
3-1/4	12	22A416T12	22A416P12	22A416B12	
3-1/2	4	22A432T04	22A432P04	22A432B04	
3-1/2	12	22A432T12	22A432P12	22A432B12	
3-3/4	4	22A448T04	22A448P04	22A448B04	
3-3/4	12	22A448T12	22A448P12	22A448B12	
4"	4	22A464T04	22A464P04	22A464B04	
4"	12	22A464T12	22A464P12	22A464B12	

"Special Thread" Taps

MADE IN USA

HIGH SPEED M-7 STEEL

GROUND THREAD



"Hand Taps" are the most popular style in general machine tapping operations and are appropriate for the vast majority of materials and conditions. They are for general use in production tapping or hand operations. Taper, Plug and Bottoming styles provide great versatility in tough materials, blind and thru holes. Taper Style - Starts the thread square with the workpiece. Plug Style - Generally used in thru holes. Bottoming Style - Generates the thread to the bottom.

Packaging: All taps are individually packaged.

FRACTIONAL SIZES

SERIES 2200

TAPER, PLUG & BOTTOM

TAP SIZES	Threads PER INCH	EDP NUMBERS			LIST PRICE EACH
		TAPER	PLUG	BOTTOM	
#00	90	22A000T90	22A000P90	22A000B90	24 HOUR DELIVERY CALL FOR PRICE
#00	90	22A000T96	22A000P96	22A000B96	
#4	32	22A004T32	22A004P32	22A004B32	
#6	48	22A006T48	22A006P48	22A006B48	
#8	24	22A008T24	22A008P24	22A008B24	
#8	40	22A008T40	22A008P40	22A008B40	
#10	28	22A010T28	22A010P28	22A010B28	
#10	30	22A010T30	22A010P30	22A010B30	
#10	36	22A010T36	22A010P36	22A010B36	
#10	40	22A010T40	22A010P40	22A010B40	
#10	48	22A010T48	22A010P48	22A010B48	
#10	56	22A010T56	22A010P56	22A010B56	
#10	64	22A010T64	22A010P64	22A010B64	
#12	32	22A012T32	22A012P32	22A012B32	
#12	36	22A012T36	22A012P36	22A012B36	
#14	20	22A014T20	22A014P20	22A014B20	
#14	24	22A014T24	22A014P24	22A014B24	
5/32	32	22A110T32	22A110P32	22A110B32	
3/16	24	22A112T24	22A112P24	22A112B24	
3/16	32	22A112T32	22A112P32	22A112B32	
7/32	32	22A114T32	22A114P32	22A114B32	
1/4	24	22A116T24	22A116P24	22A116B24	
1/4	27	22A116T27	22A116P27	22A116B27	
1/4	28	22A116T28	22A116P28	22A116B28	
1/4	32	22A116T32	22A116P32	22A116B32	
1/4	36	22A116T36	22A116P36	22A116B36	
1/4	40	22A116T40	22A116P40	22A116B40	
1/4	48	22A116T48	22A116P48	22A116B48	
1/4	56	22A116T56	22A116P56	22A116B56	
1/4	80	22A116T80	22A116P80	22A116B80	
9/32	32	22A118T32	22A118P32	22A118B32	
5/16	18	22A120T18	22A120P18	22A120B18	
5/16	20	22A120T20	22A120P20	22A120B20	
5/16	22	22A120T22	22A120P22	22A120B22	
5/16	24	22A120T24	22A120P24	22A120B24	
5/16	27	22A120T27	22A120P27	22A120B27	
5/16	28	22A120T28	22A120P28	22A120B28	
5/16	32	22A120T32	22A120P32	22A120B32	
5/16	40	22A120T40	22A120P40	22A120B40	
11/32	32	22A122T32	22A122P32	22A122B32	

TAP SIZES	Threads PER INCH	EDP NUMBERS			LIST PRICE EACH
		TAPER	PLUG	BOTTOM	
3/8	18	22A124T18	22A124P18	22A124B18	24 HOUR DELIVERY CALL FOR PRICE
3/8	20	22A124T20	22A124P20	22A124B20	
3/8	27	22A124T27	22A124P27	22A124B27	
3/8	28	22A124T28	22A124P28	22A124B28	
3/8	32	22A124T32	22A124P32	22A124B32	
3/8	40	22A124T40	22A124P40	22A124B40	
3/8	48	22A124T48	22A124P48	22A124B48	
13/32	32	22A126T32	22A126P32	22A126B32	
7/16	14	22A128T14	22A128P14	22A128B14	
7/16	16	22A128T16	22A128P16	22A128B16	
7/16	18	22A128T18	22A128P18	22A128B18	
7/16	24	22A128T24	22A128P24	22A128B24	
7/16	27	22A128T27	22A128P27	22A128B27	
7/16	28	22A128T28	22A128P28	22A128B28	
7/16	32	22A128T32	22A128P32	22A128B32	
7/16	40	22A128T40	22A128P40	22A128B40	
15/32	32	22A130T32	22A130P32	22A130B32	
1/2	12	22A132T12	22A132P12	22A132B12	
1/2	14	22A132T14	22A132P14	22A132B14	
1/2	16	22A132T16	22A132P16	22A132B16	
1/2	18	22A132T18	22A132P18	22A132B18	
1/2	24	22A132T24	22A132P24	22A132B24	
1/2	27	22A132T27	22A132P27	22A132B27	
1/2	28	22A132T28	22A132P28	22A132B28	
1/2	32	22A132T32	22A132P32	22A132B32	
1/2	40	22A132T40	22A132P40	22A132B40	
33/64	13	22A133T13	22A133P13	22A133B13	
9/16	16	22A136T16	22A136P16	22A136B16	
9/16	20	22A136T20	22A136P20	22A136B20	
9/16	24	22A136T24	22A136P24	22A136B24	
9/16	27	22A136T27	22A136P27	22A136B27	
9/16	32	22A136T32	22A136P32	22A136B32	
5/8	10	22A140T10	22A140P10	22A140B10	
5/8	11	22A140T11	22A140P11	22A140B11	
5/8	12	22A140T12	22A140P12	22A140B12	
5/8	16	22A140T16	22A140P16	22A140B16	
5/8	20	22A140T20	22A140P20	22A140B20	
5/8	24	22A140T24	22A140P24	22A140B24	
5/8	27	22A140T27	22A140P27	22A140B27	
5/8	28	22A140T28	22A140P28	22A140B28	
5/8	32	22A140T32	22A140P32	22A140B32	

Pulley Taps

MADE IN USA

HIGH SPEED M-7 STEEL

GROUND THREAD



Pulley taps are used for tapping the hubs of pulleys for oil caps or set screws. The long shank is also ideal for reaching holes inaccessible with standard length taps. The thread length is the same length as a standard hand tap.
 Packaging: All sizes individually packaged.

FRACTIONAL SIZES			SERIES 2400			PLUG CHAMFER		
SIZE	6" OAL EDP NO.	6" OAL PRICE	8" OAL EDP NO.	8" OAL PRICE	10" OAL EDP NO.	10" OAL PRICE	12" OAL EDP NO.	12" OAL PRICE
1/4-20	24A116C6	\$60.68	24A116C8	\$60.68	----	----	----	----
5/16-18	24A120C6	62.84	24A120C8	62.84	----	----	----	----
3/8-16	24A124C6	67.24	24A124C8	67.24	24A124C10	\$67.24	----	----
7/16-14	24A128C6	72.43	24A128C8	72.43	----	----	----	----
1/2-13	24A132C6	73.73	24A132C8	73.73	24A132C10	73.73	24A132C12	\$73.73
5/8-11	24A140C6	146.23	24A140C8	146.23	24A140C10	146.23	24A140C12	146.23
3/4-10	----	----	----	----	24A148C10	175.98	24A148C12	175.98

Extension Taps

6" OVERALL LENGTH

HIGH SPEED M-7 STEEL

GROUND THREAD



Pulley taps are used for tapping the hubs of pulleys for oil caps or set screws. The long shank is also ideal for reaching holes inaccessible with standard length taps. The thread length is the same length as a standard hand tap.
 Packaging: All sizes individually packaged.

HAND TAP		SERIES 2060			
TAP SIZES	NO OF FL	EDP NUMBERS		LIST PRICE EACH	
		PLUG	BOTTOM		
6-32	3	206A006CP	206A006CB	\$74.71	
8-32	3	206A008CP	206A008CB	64.99	
10-24	3	206A010CP	206A010CB	67.53	
10-32	3	206A010FP	206A010FB	67.53	
1/4-20	3	206A116CP	206A116CB	64.79	
1/4-20*	3	206A116SP	206A116SB	64.79	
1/4-28	3	206A116FP	206A116FB	64.79	
5/16-18	3	206A120CP	206A120CB	65.84	
5/16-18*	3	206A120SP	206A120SB	65.84	
5/16-24	3	206A120FP	206A120FB	65.84	
3/8-16	3	206A124CP	206A124CB	68.90	
3/8-16*	3	206A124SP	206A124SB	68.90	
3/8-24	3	206A124FP	206A124FB	68.90	
7/16-14	3	206A128CP	206A128CB	72.69	
7/16-20	3	206A128FP	206A128FB	72.69	
1/2-13	3	206A132CP	206A132CB	90.96	
1/2-20	3	206A132FP	206A132FB	90.96	

SPIRAL POINT		SERIES 2160			
TAP SIZES	NO OF FL	EDP NUMBERS		LIST PRICE EACH	
		PLUG	BOTTOM		
6-32	3	216A006CP	216A006CB	\$80.64	
8-32	3	216A008CP	216A008CB	68.19	
10-24	3	216A010CP	216A010CB	71.45	
10-32	3	216A010FP	216A010FB	71.45	
1/4-20	3	216A116CP	216A116CB	68.19	
1/4-20*	3	216A116LP	216A116SB	68.19	
1/4-28	3	216A116FP	216A116FB	68.19	
5/16-18	3	216A120CP	216A120CB	70.27	
5/16-18*	3	216A120LP	216A120SB	70.27	
5/16-24	3	216A120FP	216A120FB	70.27	
3/8-16	3	216A124CP	216A124CB	79.08	
3/8-16*	3	216A124LP	216A124SB	79.08	
3/8-24	3	216A124FP	216A124FB	79.08	
7/16-14	3	216A128CP	216A128CB	81.04	
7/16-20	3	216A128FP	216A128FB	81.04	
1/2-13	3	216A132CP	216A132CB	98.79	
1/2-20	3	216A132FP	216A132FB	98.79	

* SMALL SHANK

52° Spiral Fluted Hand Taps

HIGH HELIX

HIGH SPEED M-7 STEEL

GROUND THREAD

COATING
TIN
AVAILABLE



Designed especially for precision tapping of the modern difficult to machine materials. Fast Spiral flutes provide new efficiency in chip removal and eliminates broken taps caused by clogged flutes particularly in ductile and stringy materials. These taps have continuous fast spiral fluted to lift and discharge chips from deep blind holes. Packaging: 3-48 thru 1/4", 12 per box. 5/16" thru 1/2", 6 per box. 5/8" thru 3/4", 3 per box.

MADE IN USA

SERIES 2000F

PLUG & BOTT CHAMFER

TAP SIZE	NC	NF	NUMBER OF FLUTES	LENGTH OF THREAD	OVERALL LENGTH	EDP NUMBERS PLUG	EDP NUMBERS BOTTOM	LIST PRICE EACH
3	48	--	2	1/2	1-13/16	20F003CP	20F003CB	\$21.47
3	--	56	2	1/2	1-13/16	20F003FP	20F003FB	21.47
4	40	--	2	9/16	1-7/8	20F004CP	20F004CB	17.94
4	--	48	2	9/16	1-7/8	20F004FP	20F004FB	17.94
5	40	--	2	5/8	1-15/16	20F005CP	20F005CB	17.94
5	--	44	2	5/8	1-15/16	20F005FP	20F005FB	17.94
6	32	--	2	11/16	2"	20F006CP	20F006CB	17.94
6	--	40	2	11/16	2"	20F006FP	20F006FB	17.94
8	32-	--	3	3/4	2-1/8	20F008CP	20F008CB	14.36
8	--	36	3	3/4	2-1/8	20F008FP	20F008FB	14.36
10	24	--	3	7/8	2-3/8	20F010CP	20F010CB	14.75
10	--	32	3	7/8	2-3/8	20F010FP	20F010FB	14.75
12	24	--	3	1"	2-1/2	20F012CP	20F012CB	14.75
12	--	28	3	1"	2-1/2	20F012FP	20F012FB	14.75
1/4	20	--	3	1"	2-1/2	20F116CP	20F116CB	15.40
1/4	--	28	3	1"	2-1/2	20F116FP	20F116FB	15.40
5/16	18	--	3	11/8	2-23/32	20F120CP	20F120CB	17.36
5/16	--	24	3	1-1/8	2-23/32	20F120FP	20F120FB	17.36
3/8	16	--	3	2-15/16	2-15/16	20F124CP	20F124CB	20.23
3/8	--	24	3	2-15/16	2-15/16	20F124FP	20F124FB	20.23
7/16	14	--	3	1-7/16	3-5/32	20F128CP	20F128CB	30.47
7/16	--	20	3	1-7/16	3-5/32	20F128FP	20F128FB	30.47
1/2	13	--	3	1-21/32	3-3/8	20F132CP	20F132CB	36.80
1/2	--	20	3	1-21/32	3-3/8	20F132FP	20F132FB	36.80
5/8	11	--	4	1-13/16	3-13/16	20F140CP	20F140CB	56.51
3/4	10	--	4	2-1/16	4-3/16	20F148CP	20F148CB	99.90

(STI) Screw Thread Insert Taps

MADE IN USA

HIGH SPEED M-7 STEEL

GROUND THREAD



Oversize taps which will produce threads that will accommodate a helical screw thread insert

MACHINE & FRAC SIZES					SERIES 2020					PLUG & BOTTOM				
TAP SIZES	NO OF FLUTES	EDP NUMBERS		LIST PRICE EACH	TAP SIZES	NO OF FLUTES	EDP NUMBERS		LIST PRICE EACH	TAP SIZES	NO OF FLUTES	EDP NUMBERS		LIST PRICE EACH
		PLUG	BOTTOM				PLUG	BOTTOM				PLUG	BOTTOM	
4-40	3	202A004CP	202A004CB	\$17.75	1/4-20	3	202A116CP	202A116CB	\$20.81	3/8-16	4	202A124CP	202A124CB	26.49
6-32	3	202A006CP	202A006CB	18.40	1/4-28	3	202A116FP	202A116FB	20.81	3/8-24	4	202A124FP	202A124FB	26.49
8-32	3	202A008CP	202A008CB	18.40	5/16-18	4	202A120CP	202A120CB	21.34	1/2-13	4	202A132CP	202A132CB	39.41
10-24	3	202A010CP	202A010CB	18.40	5/16-24	4	202A120FP	202A120FB	21.34	1/2-20	4	202A132FP	202A132FB	39.41
10-32	3	202A010FP	202A010FB	18.40										

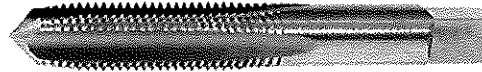
Packaging: All sizes individually packaged.

Oversize Hand Taps

MACHINE & FRAC SIZES

HIGH SPEED M-7 STEEL

GROUND THREAD



.003 OVERSIZE H-7					SERIES 2003					.005 OVERSIZE H-11					SERIES 2005				
TAP SIZES	NO OF FL	EDP # PLUG	EDP # BOTTOM	LIST PRICE	TAP SIZES	NO OF FL	EDP # PLUG	EDP # BOTTOM	LIST PRICE	TAP SIZES	NO OF FL	EDP # PLUG	EDP # BOTTOM	LIST PRICE					
4-32	3	203A004CP	203A004CB	\$23.49	1/4-20	4	205A116CP	205A116CB	\$9.59	5/8-11	4	205A140CP	205A140CB	44.04					
8-32	3	203A008CP	203A008CB	23.49	5/16-18	4	205A120CP	205A120CB	11.35										
10-24	4	203A010CP	203A010CB	23.49	3/8-16	4	205A124CP	205A124CB	13.18										
10-32	4	203A010FP	203A010FB	23.49	7/16-14	4	205A128CP	205A128CB	19.90										
					1/2-13	4	205A132CP	205A132CB	24.01										

Packaging: All sizes individually packaged.

Oversize Spiral Pointed Taps

MACHINE & FRAC SIZES

HIGH SPEED M-2 STEEL

GROUND THREAD



.003 OVERSIZE H-7					SERIES 2103					.005 OVERSIZE H-11					SERIES 2105				
TAP SIZES	NO OF FL	EDP # PLUG	EDP # BOTTOM	LIST PRICE	TAP SIZES	NO OF FL	EDP # PLUG	EDP # BOTTOM	LIST PRICE	TAP SIZES	NO OF FL	EDP # PLUG	EDP # BOTTOM	LIST PRICE					
4-32	2	213A004CP	213A004CB	\$26.75	1/4-20	2	215A116CP	215A116CB	\$11.16	5/8-11	3	215A140CP	215A140CB	51.29					
8-32	2	213A008CP	213A008CB	26.75	5/16-18	2	215A120CP	215A120CB	12.59										
10-24	2	213A010CP	213A010CB	26.75	3/8-16	3	215A124CP	215A124CB	14.55										
10-32	2	213A010FP	213A010FB	26.75	7/16-14	3	215A128CP	215A128CB	22.51										
					1/2-13	3	215A132CP	215A132CB	26.43										

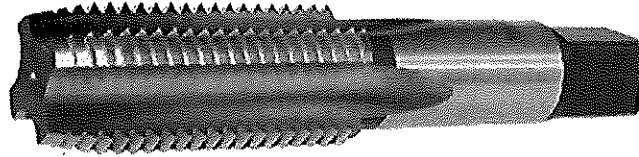
Packaging: All sizes individually packaged.

8 Pitch Taps

FRACTIONAL SIZES

HIGH SPEED M-7 STEEL

GROUND THREAD



Taper Style - Starts the thread square with the workpiece. Plug Style-Generally used in thru holes. Bottoming Style-Generates the thread to the bottom.

Packaging: All sizes individually packaged.

MADE IN USA

SERIES 2500

TAPER, PLUG & BOTTOM

TAP SIZES	NC	PITCH DIAMETER LIMITS	NUMBER OF FLUTES	EDP NUMBERS			LIST PRICE EACH
				TAPER	PLUG	BOTTOM	
1-1/8-8	NS	H5	4	25A208T	25A208P	25A208B	\$134.68
1-1/4-8	NS	H5	4	25A216T	25A216P	25A216B	147.04
1-3/8-8	NS	H5	4	25A224T	25A224P	25A224B	219.76
1-1/2-8	NS	H5	4	25A232T	25A232P	25A232B	269.35
1-5/8-8	NS	H6	6	25A240T	25A240P	25A240B	401.07
1-3/4-8	NS	H6	6	25A248T	25A248P	25A248B	447.79
1-7/8-8	NS	H6	6	25A256T	25A256P	25A256B	538.31
2"-8	NS	H6	6	25A264T	25A264P	25A264B	562.80
2-1/8-8	NS	H6	6	25A308T	25A308P	25A308B	660.68
2-1/4-8	NS	H6	6	25A316T	25A316P	25A316B	731.63
2-3/8-8	NS	H6	6	25A324T	25A324P	25A324B	895.58
2-1/2-8	NS	H6	6	25A332T	25A332P	25A332B	1,005.94
2-5/8-8	NS	H8	6	25A340T	25A340P	25A340B	1,129.74
2-3/4-8	NS	H8	6	25A348T	25A348P	25A348B	1,212.21
2-7/8-8	NS	H8	6	25A356T	25A356P	25A356B	1,322.49
3"-8	NS	H8	6	25A364T	25A364P	25A364B	1,460.38
3-1/4-8	NS	H8	6	25A416T	25A416P	25A416B	2,727.71
3-1/2-8	NS	H8	6	25A432T	25A432P	25A432B	3,037.34
3-3/4-8	NS	H8	6	25A448T	25A448P	25A448B	3,692.19
4"-8	NS	H8	8	25A464T	25A464P	25A464B	4,133.07

IMPORT

8 PITCH TAPS

SERIES 2500E

1-1/8-8	NS	H5	4	25E208T	25E208P	25E208B	\$93.48
1-1/4-8	NS	H5	4	25E216T	25E216P	25E216B	118.62
1-3/8-8	NS	H5	4	25E224T	25E224P	25E224B	149.16
1-1/2-8	NS	H5	4	25E232T	25E232P	25E232B	187.62
1-5/8-8	NS	H6	6	25E240T	25E240P	25E240B	210.45
1-3/4-8	NS	H6	6	25E248T	25E248P	25E248B	229.98
1-7/8-8	NS	H6	6	25E256T	25E256P	25E256B	277.18
2"-8	NS	H6	6	25E264T	25E264P	25E264B	295.97
2-1/8-8	NS	H6	6	25E308T	25E308P	25E308B	361.75
2-1/4-8	NS	H6	6	25E316T	25E316P	25E316B	408.73
2-3/8-8	NS	H6	6	25E324T	25E324P	25E324B	371.14
2-1/2-8	NS	H6	6	25E332T	25E332P	25E332B	486.24
2-5/8-8	NS	H8	6	25E340T	25E340P	25E340B	643.63
2-3/4-8	NS	H8	6	25E348T	25E348P	25E348B	624.83
2-7/8-8	NS	H8	6	25E356T	25E356P	25E356B	772.82
3"-8	NS	H8	6	25E364T	25E364P	25E364B	711.75
3-1/4-8	NS	H8	6	25E416T	25E416P	25E416B	1,019.47
3-1/2-8	NS	H8	6	25E432T	25E432P	25E432B	1,059.40
3-3/4-8	NS	H8	6	25E448T	25E448P	25E448B	1,296.65
4"-8	NS	H8	8	25E464T	25E464P	25E464B	1,388.26

Please specify Taper, Plug or Bottoming

"Left Hand" Taps

MACHINE & FRAC SIZES

HIGH SPEED M-2 STEEL

GROUND THREAD



"Hand Taps" are the most popular style in general machine tapping operations and are appropriate for the vast majority of materials and conditions. They are for general use in production tapping or hand operations. Taper, Plug and Bottoming styles provide great versatility in tough materials, blind and thru holes. Taper Style - Starts the thread square with the workpiece. Plug Style - Generally used in thru holes. Bottoming Style - Generates the thread to the bottom.

Packaging: 0 thru 1/4", 12 per box. 5/16" thru 1/2", 6 per box. 9/16" thru 1", 3 per box. 1-1/8" & up individually packaged.

IMPORT

SERIES 2300E

TAPER, PLUG & BOTTOM

TAP SIZES	NC	NF	PITCH DIAMETER LIMITS	NUMBER OF FLUTES	OVERALL LENGTH	EDP NUMBERS			LIST PRICE EACH
						TAPER	PLUG	BOTTOM	
1/4	20	--	H3	4	2-1/2	23E116CT	23E116CP	23E116CB	\$9.48
1/4	--	28	H3	4	2-1/2	23E116FT	23E116FP	23E116FB	9.48
5/16	18	--	H3	4	2-23/32	23E120CT	23E120CP	23E120CB	10.57
5/16	--	24	H3	4	2-23/32	23E120FT	23E120FP	23E120FB	10.57
3/8	16	--	H3	4	2-5/16	23E124CT	23E124CP	23E124CB	13.70
3/8	--	24	H3	4	2-5/16	23E124FT	23E124FP	23E124FB	13.70
7/16	14	--	H3	4	3-5/32	23E128CT	23E128CP	23E128CB	19.92
7/16	--	20	H3	4	3-5/32	23E128FT	23E128FP	23E128FB	19.92
1/2	13	--	H3	4	3-3/8	23E132CT	23E132CP	23E132CB	23.23
1/2	--	20	H3	4	3-3/8	23E132FT	23E132FP	23E132FB	23.23
9/16	12	--	H3	4	3-19/32	23E136CT	23E136CP	23E136CB	28.32
9/16	--	18	H3	4	3-19/32	23E136FT	23E136FP	23E136FB	28.32
5/8	11	--	H3	4	3-3/16	23E140CT	23E140CP	23E140CB	34.32
5/8	--	18	H3	4	3-3/16	23E140FT	23E140FP	23E140FB	34.32
3/4	10	--	H3	4	4-1/4	23E148CT	23E148CP	23E148CB	46.15
3/4	--	16	H3	4	4-1/4	23E148FT	23E148FP	23E148FB	46.15
7/8	9	--	H4	4	4-11/16	23E156CT	23E156CP	23E156CB	61.68
7/8	--	14	H4	4	4-11/16	23E156FT	23E156FP	23E156FB	61.68
1"	8	--	H4	4	5-1/8	23E164CT	23E164CP	23E164CB	83.04
1"	--	12	H4	4	5-1/8	23E164FT	23E164FP	23E164FB	83.04
1"	--	14	H4	4	5-1/8	23E164ST	23E164SP	23E164SB	83.04
1-1/8	7	--	H4	4	5-7/16	23E208CT	23E208CP	23E208CB	101.96
1-1/8	--	12	H4	4	5-7/16	23E208FT	23E208FP	23E208FB	101.96
1-1/4	7	--	H4	4	5-3/4	23E216CT	23E216CP	23E216CB	130.37
1-1/4	--	12	H4	6	5-3/4	23E216FT	23E216FP	23E216FB	130.37
1-3/8	6	--	H4	4	6"	23E224CT	23E224CP	23E224CB	162.55
1-3/8	--	12	H4	6	6"	23E224FT	23E224FP	23E224FB	162.55
1-1/2	6	--	H4	4	6-1/4	23E232CT	23E232CP	23E232CB	200.60
1-1/2	--	12	H4	6	6-1/4	23E232FT	23E232FP	23E232FB	200.60
1-3/4	8	--	H4	6	7"	23E248NT	23E248NP	23E248NB	246.65

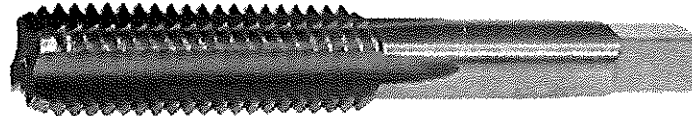
Please specify Taper, Plug or Bottoming

"Left Hand" Taps

MACHINE & FRAC SIZES

HIGH SPEED M-7 STEEL

GROUND THREAD



"Hand Taps" are the most popular style in general machine tapping operations and are appropriate for the vast majority of materials and conditions. They are for general use in production tapping or hand operations. Taper, Plug and Bottoming styles provide great versatility in tough materials, blind and thru holes. Taper Style - Starts the thread square with the workpiece. Plug Style-Generally used in thru holes. Bottoming Style-Generates the thread to the bottom.

Packaging: 6 thru 1/4", 12 per box. 5/16" thru 1/2", 6 per box. 9/16" thru 1", 3 per box. 1-1/8" & up individually packaged.

MADE IN USA

SERIES 2300

TAPER, PLUG & BOTTOM

TAP SIZES	NC	NF	PITCH DIAMETER LIMITS	NUMBER OF FLUTES	OVERALL LENGTH	EDP NUMBERS			LIST PRICE EACH
						TAPER	PLUG	BOTTOM	
6	32	--	H3	4	2"	23A006CT	23A006CP	23A006CB	\$13.38
8	32	--	H3	4	2-1/8	23A008CT	23A008CP	23A008CB	14.49
10	24	--	H3	4	2-3/8	23A010CT	23A010CP	23A010CB	14.49
10	--	32	H3	4	2-3/8	23A010FT	23A010FP	23A010FB	14.49
1/4	20	--	H3	4	2-1/2	23A116CT	23A116CP	23A116CB	13.70
1/4	--	28	H3	4	2-1/2	23A116FT	23A116FP	23A116FB	13.70
5/16	18	--	H3	4	2-23/32	23A120CT	23A120CP	23A120CB	15.31
5/16	--	24	H3	4	2-23/32	23A120FT	23A120FP	23A120FB	15.31
3/8	16	--	H3	4	2-5/16	23A124CT	23A124CP	23A124CB	19.84
3/8	--	24	H3	4	2-5/16	23A124FT	23A124FP	23A124FB	19.84
7/16	14	--	H3	4	3-5/32	23A128CT	23A128CP	23A128CB	28.84
7/16	--	20	H3	4	3-5/32	23A128FT	23A128FP	23A128FB	28.84
1/2	13	--	H3	4	3-3/8	23A132CT	23A132CP	23A132CB	33.67
1/2	--	20	H3	4	3-3/8	23A132FT	23A132FP	23A132FB	33.67
9/16	12	--	H3	4	3-19/32	23A136CT	23A136CP	23A136CB	50.20
9/16	--	18	H3	4	3-19/32	23A136FT	23A136FP	23A136FB	50.20
5/8	11	--	H3	4	3-3/16	23A140CT	23A140CP	23A140CB	63.51
5/8	--	18	H3	4	3-3/16	23A140FT	23A140FP	23A140FB	63.51
3/4	10	--	H3	4	4-1/4	23A148CT	23A148CP	23A148CB	83.48
3/4	--	16	H3	4	4-1/4	23A148FT	23A148FP	23A148FB	83.48
7/8	9	--	H4	4	4-11/16	23A156CT	23A156CP	23A156CB	115.23
7/8	--	14	H4	4	4-11/16	23A156FT	23A156FP	23A156FB	115.23
1"	8	--	H4	4	5-1/8	23A164CT	23A164CP	23A164CB	125.74
1"	--	12	H4	4	5-1/8	23A164FT	23A164FP	23A164FB	125.74
1"	--	14	H4	4	5-1/8	23A164ST	23A164SP	23A164SB	125.74
1-1/8	7	--	H4	4	5-7/16	23A208CT	23A208CP	23A208CB	317.05
1-1/8	--	12	H4	4	5-7/16	23A208FT	23A208FP	23A208FB	317.05
1-1/4	7	--	H4	4	5-3/4	23A216CT	23A216CP	23A216CB	400.24
1-1/4	--	12	H4	6	5-3/4	23A216FT	23A216FP	23A216FB	400.24
1-3/8	6	--	H4	4	6"	23A224CT	23A224CP	23A224CB	498.51
1-3/8	--	12	H4	6	6"	23A224FT	23A224FP	23A224FB	498.51
1-1/2	6	--	H4	4	6-1/4	23A232CT	23A232CP	23A232CB	580.53
1-1/2	--	12	H4	6	6-1/4	23A232FT	23A232FP	23A232FB	580.53

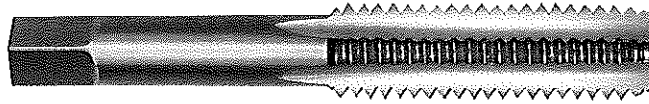
Please specify Taper, Plug or Bottoming

"Metric" Hand Taps

METRIC SIZES

HIGH SPEED M-2 STEEL

GROUND THREAD



"Hand Taps" are the most popular style in general machine tapping operations and are appropriate for the vast majority of materials and conditions. They are for general use in production tapping or hand operations. Taper, Plug and Bottoming styles provide great versatility in tough materials, blind and thru holes. Taper Style - Starts the thread square with the workpiece. Plug Style - Generally used in thru holes. Bottoming Style - Generates the thread to the bottom.

Packaging: 16mm thru 27mm, 3 per box. 30mm & up individually packaged.

IMPORT

SERIES 2800E

TAPER, PLUG & BOTTOM

TAP SIZE (MM)	PITCH DIAMETER (MM)	NUMBER OF FLUTES	EDP NUMBERS			LIST PRICE EACH	EDP NUMBER SETS	LIST PRICE SETS
			TAPER	PLUG	BOTT			
16mm	2.00mm	4	28E160AT	28E160AP	28E160AB	\$33.93	28E160AS	\$101.79
16mm	1.50mm	4	28E160BT	28E160BP	28E160BB	33.93	28E160BS	101.79
18mm	2.50mm	4	28E180AT	28E180AP	28E180AB	45.59	28E180AS	136.77
18mm	2.00mm	4	28E180BT	28E180BP	28E180BB	45.59	28E180BS	136.77
18mm	1.00mm	4	28E180CT	28E180CP	28E180CB	45.59	28E180CS	136.77
18mm	1.50mm	4	28E180DT	28E180DP	28E180DB	45.59	28E180DS	136.77
20mm	2.50mm	4	28E200AT	28E200AP	28E200AB	61.94	28E200AS	185.82
20mm	1.50mm	4	28E200BT	28E200BP	28E200BB	61.94	28E200BS	185.82
20mm	1.00mm	4	28E200CT	28E200CP	28E200CB	61.94	28E200CS	185.82
20mm	2.00mm	4	28E200DT	28E200DP	28E200DB	61.94	28E200DS	185.82
22mm	2.50mm	4	28E220AT	28E220AP	28E220AB	63.47	28E220AS	190.21
22mm	1.50mm	4	28E220BT	28E220BP	28E220BB	63.47	28E220BS	190.21
24mm	3.00mm	4	28E240AT	28E240AP	28E240AB	86.65	28E240AS	259.95
24mm	2.00mm	4	28E240BT	28E240BP	28E240BB	86.65	28E240BS	259.95
24mm	1.50mm	4	28E240CT	28E240CP	28E240CB	86.65	28E240CS	259.95
27mm	3.00mm	4	28E270AT	28E270AP	28E270AB	136.98	28E270AS	410.94
27mm	2.00mm	4	28E270BT	28E270BP	28E270BB	136.98	28E270BS	410.94
30mm	3.50mm	4	28E300AT	28E300AP	28E300AB	140.16	28E300AS	420.48
30mm	2.00mm	4	28E300BT	28E300BP	28E300BB	143.29	28E300BS	429.87
30mm	1.50mm	4	28E300CT	28E300CP	28E300CB	143.29	28E300CS	429.87
32mm	2.00mm	4	28E320AT	28E320AP	28E320AB	154.56	28E320AS	463.68
33mm	3.50mm	4	28E330AT	28E330AP	28E330AB	194.58	28E330AS	583.74
33mm	2.00mm	4	28E330BT	28E330BP	28E330BB	211.50	28E330BS	634.50
36mm	4.00mm	4	28E360AT	28E360AP	28E360AB	239.99	28E360AS	719.97
36mm	3.00mm	4	28E360BT	28E360BP	28E360BB	239.99	28E360BS	719.97
39mm	4.00mm	6	28E390AT	28E390AP	28E390AB	261.30	28E390AS	783.90
39mm	3.00mm	6	28E390BT	28E390BP	28E390BB	261.30	28E390BS	783.90
42mm	4.50mm	6	28E420AT	28E420AP	28E420AB	273.66	28E420AS	820.98
42mm	1.50mm	6	28E420BT	28E420BP	28E420BB	273.66	28E420BS	820.98
45mm	4.50mm	6	28E450AT	28E450AP	28E450AB	273.66	28E450AS	820.98
45mm	1.50mm	6	28E450BT	28E450BP	28E450BB	273.66	28E450BS	820.98
48mm	5.00mm	6	28E480AT	28E480AP	28E480AB	284.88	28E480AS	854.64
48mm	1.50mm	6	28E480BT	28E480BP	28E480BB	284.88	28E480BS	854.64
52mm	5.00mm	6	28E520AT	28E520AP	28E520AB	361.75	28E520AS	1,085.25
52mm	1.50mm	6	28E520BT	28E520BP	28E520BB	361.75	28E520BS	1,085.25

Please specify Taper, Plug or Bottoming

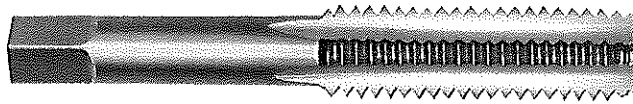
Tap Set = (Taper, Plug & Bottoming)

"Metric" Hand Taps

METRIC SIZES

HIGH SPEED M-2 STEEL

GROUND THREAD



"Hand" Taps are the most popular style in general machine tapping operations and are appropriate for the vast majority of materials and conditions. They are for general use in production tapping or hand operations. Taper, Plug and Bottoming styles provide great versatility in tough materials, blind and thru holes. Taper Style - Starts the thread square with the workpiece. Plug Style - Generally used in thru holes. Bottoming Style - Generates the thread to the bottom.

Packaging: 1.6mm thru 6.3mm, 12 per box. 7mm thru 12mm, 6 per box. 14mm, 3 per box.

IMPORT			SERIES 2800E			TAPER, PLUG & BOTTOM		
TAP SIZE (MM)	PITCH DIAMETER (MM)	NUMBER OF FLUTES	EDP NUMBERS			LIST PRICE EACH	EDP NUMBER SETS	LIST PRICE SETS
			TAPER	PLUG	BOTT			
1.5mm	0.35mm	2	28E015AT	28E015AP	28E015AB	\$24.38	28E015AS	\$73.14
1.6mm	0.35mm	2	28E016AT	28E016AP	28E016AB	19.01	28E016AS	57.04
1.8mm	0.35mm	2	28E018AT	28E018AP	28E018AB	19.01	28E018AS	57.04
2.0mm	0.40mm	3	28E020AT	28E020AP	28E020AB	17.18	28E020AS	51.56
2.0mm	0.45mm	3	28E020BT	28E020BP	28E020BB	17.18	28E020BS	51.66
2.2mm	0.45mm	3	28E022AT	28E022AP	28E022AB	11.53	28E022AS	34.58
2.3mm	0.40mm	3	28E023AT	28E023AP	28E023AB	11.53	28E023AS	34.58
2.5mm	0.45mm	3	28E025AT	28E025AP	28E025AB	11.53	28E025AS	34.58
2.6mm	0.45mm	3	28E026AT	28E026AP	28E026AB	11.53	28E026AS	34.58
3.0mm	0.50mm	3	28E030AT	28E030AP	28E030AB	8.92	28E030AS	26.76
3.0mm	0.60mm	3	28E030BT	28E030BP	28E030BB	8.92	28E030BS	26.76
3.5mm	0.60mm	3	28E035AT	28E035AP	28E035AB	8.92	28E035AS	26.76
4.0mm	0.70mm	4	28E040AT	28E040AP	28E040AB	7.26	28E040AS	21.78
4.0mm	0.50mm	4	28E040BT	28E040BP	28E040BB	8.53	28E040BS	25.58
4.5mm	0.75mm	4	28E045AT	28E045AP	28E045AB	8.92	28E045AS	26.76
5.0mm	0.80mm	4	28E050AT	28E050AP	28E050AB	7.26	28E050AS	21.78
5.0mm	0.90mm	4	28E050BT	28E050BP	28E050BB	7.70	28E050BS	23.10
5.0mm	0.50mm	4	28E050CT	28E050CP	28E050CB	7.70	28E050CS	23.10
5.5mm	0.90mm	4	28E055AT	28E055AP	28E055AB	7.70	28E055AS	23.10
6.0mm	1.00mm	4	28E060AT	28E060AP	28E060AB	7.70	28E060AS	23.10
6.0mm	0.75mm	4	28E060BT	28E060BP	28E060BB	8.00	28E060BS	24.00
6.3mm	1.00mm	4	28E063AT	28E063AP	28E063AB	8.00	28E063AS	24.00
7.0mm	1.00mm	4	28E070AT	28E070AP	28E070AB	8.40	28E070AS	25.20
8.0mm	1.25mm	4	28E080AT	28E080AP	28E080AB	8.40	28E080AS	25.20
8.0mm	1.00mm	4	28E080BT	28E080BP	28E080BB	8.92	28E080BS	26.76
10mm	1.50mm	4	28E100AT	28E100AP	28E100AB	15.79	28E100AS	47.37
10mm	1.25mm	4	28E100BT	28E100BP	28E100BB	15.79	28E100BS	47.37
10mm	1.00mm	4	28E100CT	28E100CP	28E100CB	15.79	28E100CS	47.37
11mm	1.50mm	4	28E110AT	28E110AP	28E110AB	15.79	28E110AS	47.37
12mm	1.75mm	4	28E120AT	28E120AP	28E120AB	19.01	28E120AS	57.00
12mm	1.50mm	4	28E120BT	28E120BP	28E120BB	21.01	28E120BS	63.00
12mm	1.25mm	4	28E120CT	28E120CP	28E120CB	21.01	28E120CS	63.00
14mm	2.00mm	4	28E140AT	28E140AP	28E140AB	28.19	28E140AS	84.56
14mm	1.50mm	4	28E140BT	28E140BP	28E140BB	28.19	28E140BS	84.56
14mm	1.25mm	4	28E140CT	28E140CP	28E140CB	28.19	28E140CS	84.56

Please specify Taper, Plug or Bottoming

Tap Set = (Taper, Plug & Bottoming)

"Metric" Spiral Pointed Taps

METRIC SIZES

HIGH SPEED M-7 STEEL

GROUND THREAD



The angular flutes at the front end of these taps propel the chips ahead of the tap. This also reduces loading and clogging in the flutes. This feature plus the excellent shearing action of the flute make spiral pointed taps ideal for production tapping thru holes. They are called "GUN TAPS" because they shoot the chips ahead of the tap.

Packaging: 1.6mm thru 6.3mm, 12 per box. 7mm thru 12mm, 6 per box. 14mm thru 20mm, 3 per box.

MADE IN USA

SERIES 2850

PLUG CHAMFER

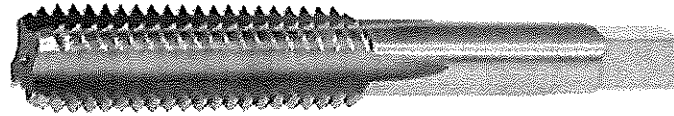
METRIC TAP SIZES	PITCH DIAMETER (mm)	NUMBER OF FLUTES	PITCH DIAMETER LIMITS	EDP NUMBER	LIST PRICE
1.6mm	0.35mm	2	D 3	285A016A	\$23.49
1.8mm	0.35mm	2	D 3	285A018A	23.49
2.0mm	0.40mm	2	D 3	285A020A	19.97
2.2mm	0.45mm	2	D 3	285A022A	19.97
2.5mm	0.45mm	2	D 3	285A025A	19.97
3.0mm	0.50mm	2	D 3	285A030A	13.12
3.5mm	0.60mm	2	D 4	285A035A	12.13
4.0mm	0.70mm	2	D 4	285A040A	10.64
4.5mm	0.75mm	2	D 4	285A045A	10.64
5.0mm	0.80mm	2	D 4	285A050A	10.64
6.0mm	1.00mm	2	D 5	285A060A	11.16
6.3mm	1.00mm	2	D 5	285A063A	11.16
7.0mm	1.00mm	2	D 5	285A070A	12.59
8.0mm	1.25mm	2	D 5	285A080A	12.59
8.0mm	1.00mm	2	D 5	285A080B	12.59
10mm	1.50mm	3	D 6	285A100A	14.55
10mm	1.25mm	3	D 5	285A100B	14.55
12mm	1.75mm	3	D 6	285A120A	26.43
12mm	1.25mm	3	D 5	285A120C	26.43
14mm	2.00mm	3	D 7	285A140A	43.20
14mm	1.50mm	3	D 6	285A140B	43.20
16mm	2.00mm	3	D 7	285A160A	51.22
16mm	1.50mm	3	D 6	285A160B	51.22
18mm	2.50mm	4	D 7	285A180A	75.82
20mm	2.50mm	4	D 7	285A200A	75.82
20mm	1.50mm	4	D 6	285A200B	75.82

"Metric" Hand Taps

METRIC SIZES

HIGH SPEED M-7 STEEL

GROUND THREAD



"Hand Taps" are the most popular style in general machine tapping operations and are appropriate for the vast majority of materials and conditions. They are for general use in production tapping or hand operations. Taper, Plug and Bottoming styles provide great versatility in tough materials, blind and thru holes. Taper Style - Starts the thread square with the workpiece. Plug Style-Generally used in thru holes. Bottoming Style-Generates the thread to the bottom.

Packaging: 1.6mm thru 6.3mm, 12 per box. 7mm thru 12mm, 6 per box. 14mm thru 27mm, 3 per box. 30mm & up individually packaged.

MADE IN USA

SERIES 2800

TAPER, PLUG & BOTTOM

TAP SIZE (MM)	PITCH DIAMETER (MM)	NO OF FL	D LTS	EDP NUMBERS			LIST PRICE EACH	EDP NUMBER SETS	LIST PRICE SETS
				TAPER	PLUG	BOTT			
1.6mm	0.35mm	2	D 3	28A016AT	28A016AP	28A016AB	\$20.49	28A016AS	\$61.47
1.8mm	0.35mm	2	D 3	28A018AT	28A018AP	28A018AB	20.49	28A018AS	61.47
2.0mm	0.40mm	3	D 3	28A020AT	28A020AP	28A020AB	17.42	28A020AS	52.27
2.2mm	0.45mm	3	D 3	28A022AT	28A022AP	28A022AB	17.42	28A022AS	52.27
2.5mm	0.45mm	3	D 3	28A025AT	28A025AP	28A025AB	17.42	28A025AS	52.27
3.0mm	0.50mm	3	D 3	28A030AT	28A030AP	28A030AB	11.09	28A030AS	33.28
3.5mm	0.60mm	3	D 4	28A035AT	28A035AP	28A035AB	11.09	28A035AS	33.28
4.0mm	0.70mm	4	D 4	28A040AT	28A040AP	28A040AB	8.81	28A040AS	26.43
4.5mm	0.75mm	4	D 4	28A045AT	28A045AP	28A045AB	8.81	28A045AS	26.43
5.0mm	0.80mm	4	D 4	28A050AT	28A050AP	28A050AB	8.81	28A050AS	26.43
6.0mm	1.00mm	4	D 5	28A060AT	28A060AP	28A060AB	9.59	28A060AS	28.78
6.3mm	1.00mm	4	D 5	28A063AT	28A063AP	28A063AB	9.59	28A063AS	28.78
7.0mm	1.00mm	4	D 5	28A070AT	28A070AP	28A070AB	11.35	28A070AS	34.06
8.0mm	1.25mm	4	D 5	28A080AT	28A080AP	28A080AB	11.35	28A080AS	34.06
8.0mm	1.00mm	4	D 5	28A080BT	28A080BP	28A080BB	11.35	28A080BS	34.06
10mm	1.50mm	4	D 6	28A100AT	28A100AP	28A100AB	13.18	28A100AS	39.54
10mm	1.25mm	4	D 5	28A100BT	28A100BP	28A100BB	13.18	28A100BS	39.54
12mm	1.75mm	4	D 6	28A120AT	28A120AP	28A120AB	24.01	28A120AS	72.04
12mm	1.25mm	4	D 5	28A120CT	28A120CP	28A120CB	24.01	28A120CS	72.04
14mm	2.00mm	4	D 7	28A140AT	28A140AP	28A140AB	36.15	28A140AS	108.45
14mm	1.50mm	4	D 6	28A140BT	28A140BP	28A140BB	36.15	28A140BS	108.45
16mm	2.00mm	4	D 7	28A160AT	28A160AP	28A160AB	44.04	28A160AS	132.12
16mm	1.50mm	4	D 6	28A160BT	28A160BP	28A160BB	44.04	28A160BS	132.12
18mm	2.50mm	4	D 7	28A180AT	28A180AP	28A180AB	60.88	28A180AS	182.64
18mm	1.50mm	4	D 6	28A180DT	28A180DP	28A180DB	60.88	28A180DS	182.64
18mm	2.00mm	4	D 6	28A180CT	28A180CP	28A180CB	60.88	28A180CS	182.64
20mm	2.50mm	4	D 7	28A200AT	28A200AP	28A200AB	76.47	28A200AS	229.42
20mm	1.50mm	4	D 6	28A200BT	28A200BP	28A200BB	76.47	28A200BS	229.42
22mm	2.50mm	4	D 7	28A220AT	28A220AP	28A220AB	84.30	28A220AS	252.90
22mm	1.50mm	4	D 6	28A220BT	28A220BP	28A220BB	84.30	28A220BS	252.90
24mm	3.00mm	4	D 8	28A240AT	28A240AP	28A240AB	107.47	28A240AS	322.40
24mm	2.00mm	4	D 7	28A240BT	28A240BP	28A240BB	107.47	28A240BS	322.40
27mm	3.00mm	4	D 8	28A270AT	28A270AP	28A270AB	160.38	28A270AS	481.16
27mm	2.00mm	4	D 7	28A270BT	28A270BP	28A270BB	160.38	28A270BS	481.16
30mm	3.50mm	4	D 9	28A300AT	28A300AP	28A300AB	237.38	28A300AS	712.14
30mm	2.00mm	4	D 7	28A300BT	28A300BP	28A300BB	237.38	28A300BS	712.14
33mm	3.50mm	4	D 9	28A330AT	28A330AP	28A330AB	263.28	28A330AS	789.86
33mm	2.00mm	4	D 7	28A330BT	28A330BP	28A330BB	263.28	28A330BS	789.86
36mm	4.00mm	4	D 9	28A360AT	28A360AP	28A360AB	304.98	28A360AS	914.94
36mm	3.00mm	4	D 8	28A360BT	28A360BP	28A360BB	304.98	28A360BS	914.94
39mm	4.00mm	6	D 9	28A390AT	28A390AP	28A390AB	376.04	28A390AS	1,128.12
39mm	3.00mm	6	D 8	28A390BT	28A390BP	28A390BB	376.04	28A390BS	1,128.12

Super High Performance Taps

MADE IN USA

PREMIUM HIGH SPEED STEEL

GROUND THREAD



Specially designed for threading Stainless Steel, Work Hardened grades and Precipitation Hardened grades. DrillCo's Super High Performance Taps are engineered to produce optimum tool life and superior thread quality in both commonly machined, as well as exotic materials.

Packaging: All sizes individually packaged.

SPIRAL POINT SERIES 2100PS

TAP SIZES	PITCH DIA LIMITS	Length of Threads	OAL	EDP NUMBER	LIST PRICE EACH
4-40	3	.335	1-7/8	21PS004C	\$30.28
4-48	2	.335	1-7/8	21PS004F	30.28
6-32	5	.413	2"	21PS006C	25.30
8-32	5	.453	2-1/8	21PS008C	25.30
10-24	5	.531	2-3/8	21PS010C	25.30
10-32	5	.531	2-3/8	21PS010F	25.30
1/4-20	5	.591	2-1/2	21PS116C	27.98
1/4-28	4	.591	2-1/2	21PS116F	27.98
5/16-18	5	.669	2-23/32	21PS120C	31.42
5/16-24	4	.669	2-23/32	21PS120F	31.42
3/8-16	5	.748	2-15/16	21PS124C	35.64
3/8-24	4	.748	2-15/16	21PS124F	35.64
7/16-14	5	.866	3-5/32	21PS128C	46.01
7/16-20	5	.866	3-5/32	21PS128F	46.01
1/2-13	5	.984	3-3/8	21PS132C	51.95
1/2-20	5	.984	3-3/8	21PS132F	51.95
9/16-12	5	.984	3-19/32	21PS136C	79.16
9/16-18	5	.984	3-19/32	21PS136F	79.16
5/8-11	5	1.083	3-13/16	21PS140C	94.19
5/8-18	5	1.083	3-13/16	21PS140F	94.19
3/4-10	5	1.201	4-1/4	21PS148C	148.07
3/4-16	5	1.201	4-1/4	21PS148F	148.07
7/8-9	6	1.339	4-11/16	21PS156C	196.05
7/8-14	6	1.339	4-11/16	21PS156F	196.05
1"-8	6	1.496	5-1/8	21PS164C	257.90
1"-12	6	1.496	5-1/8	21PS164F	257.90

SPIRAL FLUTE SERIES 2000PF

TAP SIZES	PITCH DIA LIMITS	Length of Threads	OAL	EDP NUMBER	LIST PRICE EACH
4-40	3	.236	1-7/8	20PF004C	\$43.13
4-48	2	.236	1-7/8	20PF004F	43.13
6-32	5	.276	2"	20PF006C	34.32
8-32	5	.276	2-1/8	20PF008C	34.32
10-24	5	.354	2-3/8	20PF010C	35.10
10-32	5	.354	2-3/8	20PF010F	35.10
1/4-20	5	.433	2-1/2	20PF116C	38.76
1/4-28	4	.354	2-1/2	20PF116F	38.76
5/16-18	5	.472	2-23/32	20PF120C	43.13
5/16-24	4	.394	2-23/32	20PF120F	43.13
3/8-16	5	.551	2-15/16	20PF124C	48.02
3/8-24	4	.394	2-15/16	20PF124F	48.02
7/16-14	5	.591	3-5/32	20PF128C	70.08
7/16-20	5	.472	3-5/32	20PF128F	70.08
1/2-13	5	.630	3-3/8	20PF132C	85.41
1/2-20	5	.472	3-3/8	20PF132F	85.41
9/16-12	5	.709	3-19/32	20PF136C	129.59
9/16-18	5	.512	3-19/32	20PF136F	129.59
5/8-11	5	.748	3-13/16	20PF140C	142.25
5/8-18	5	.512	3-13/16	20PF140F	142.25
3/4-10	5	.827	4-1/4	20PF148C	183.87
3/4-16	5	.591	4-1/4	20PF148F	183.87
7/8-9	6	.827	4-11/16	20PF156C	272.61
7/8-14	6	.709	4-11/16	20PF156F	272.61
1"-8	6	.984	5-1/8	20PF164C	357.83
1"-12	6	.709	5-1/8	20PF164F	357.83

Nitro Spiral Pointed Tap

FRACTIONAL SIZES

HIGH SPEED M-7 STEEL

GROUND THREAD



See page 01 for Technical information on *Nitro* Taps.

Taper Style - Starts the thread square with the workpiece. Plug Style-Generally used in thru holes. Bottoming Style-Generates the thread to the bottom.

Packaging: 0 thru 1/4", 12 per box. 5/16" thru 1/2", 6 per box. 9/16" thru 1", 3 per box.

MADE IN USA

SERIES 2100N

PLUG CHAMFER

TAP SIZES	NATIONAL COURSE	NATIONAL FINE	PITCH DIAMETER LIMITS	NUMBER OF FLUTES	LENGTH OF THREAD	OVERALL LENGTH	EDP NUMBERS PLUG	LIST PRICE EACH
0	--	80	H1	2	5/16	1-5/8	21N000FP	\$24.01
1	64	--	H1	2	3/8	1-11/16	21N001CP	19.31
1	--	72	H1	2	3/8	1-11/16	21N001FP	19.31
2	56	--	H2	2	7/16	1-3/4	21N002CP	19.36
2	--	64	H2	2	7/16	1-3/4	21N002FP	19.36
3	48	--	H2	2	1/2	1-13/16	21N003CP	14.09
3	--	56	H2	2	1/2	1-13/16	21N003FP	14.09
4	40	--	H2	2	9/16	1-7/8	21N004CP	14.09
4	--	48	H2	2	9/16	1-7/8	21N004FP	14.09
4	--	36	H2	2	9/16	1-7/8	21N004SP	14.09
5	40	--	H2	2	5/8	1-15/16	21N005CP	14.09
5	--	44	H2	2	5/8	1-15/16	21N005FP	14.09
6	32	--	H3	2	11/16	2"	21N006CP	11.09
6	--	40	H2	2	11/16	2"	21N006FP	11.09
8	32	--	H3	2	3/4	2-1/8	21N008CP	11.09
8	--	36	H2	2	3/4	2-1/8	21N008FP	11.09
10	24	--	H3	2	7/8	2-3/8	21N010CP	11.40
10	--	32	H3	2	7/8	2-3/8	21N010FP	11.40
12	24	--	H3	2	15/16	2-3/8	21N012CP	11.40
12	--	28	H3	2	15/16	2-3/8	21N012FP	11.40
1/4	20	--	H3	2	1"	2-1/2	21N116CP	9.74
1/4	--	28	H3	2	1"	2-1/2	21N116FP	9.74
5/16	18	--	H3	2	1-1/8	2-23/32	21N120CP	11.22
5/16	--	24	H3	2	1-1/8	2-23/32	21N120FP	11.22
3/8	16	--	H3	3	1-1/4	2-15/16	21N124CP	12.14
3/8	--	24	H3	3	1-1/4	2-15/16	21N124FP	12.14
7/16	14	--	H3	3	1-7/16	3-5/32	21N128CP	24.01
7/16	--	20	H3	3	1-7/16	3-5/32	21N128FP	24.01
1/2	13	--	H3	3	1-21/32	3-3/8	21N132CP	23.36
1/2	--	20	H3	3	1-21/32	3-3/8	21N132FP	23.36
9/16	12	--	H3	3	1-21/32	3-19/32	21N136CP	41.59
9/16	--	18	H3	3	1-21/32	3-19/32	21N136FP	41.59
5/8	11	--	H3	3	1-13/16	3-13/16	21N140CP	44.81
5/8	--	18	H3	3	1-13/16	3-13/16	21N140FP	44.81
3/4	10	--	H3	3	2"	4-1/4	21N148CP	60.12
3/4	--	16	H3	3	2"	4-1/4	21N148FP	60.12
7/8	9	--	H4	3	2-7/32	4-11/16	21N156CP	94.83
7/8	--	14	H4	3	2-7/32	4-11/16	21N156FP	94.83
1"	8	--	H4	3	2-1/2	5-1/8	21N164CP	118.58
1"	--	12	H4	3	2-1/2	5-1/8	21N164FP	118.58
1"	--	14	H4	3	2-1/2	5-1/8	21N164SP	118.58

Nitro Hand Taps

FRACTIONAL SIZES

HIGH SPEED M-7N STEEL

GROUND THREAD



See page 01 for Technical information on *Nitro* Taps.

Taper Style - Starts the thread square with the workpiece. Plug Style-Generally used in thru holes. Bottoming Style-Generates the thread to the bottom.

Packaging: 0 thru 1/4", 12 per box. 5/16" thru 1/2", 6 per box. 9/16" thru 1", 3 per box. 1-1/8" & up individually packaged.

MADE IN USA

SERIES 2000N

TAPER, PLUG & BOTTOM

TAP SIZES	NC	NF	PITCH DIA LIMITS	No OF FLUTES	LENGTH OF THREAD	OVER ALL LENGTH	EDP NUMBERS			LIST PRICE EACH	EDP NUMBER SETS	LIST PRICE SETS
							TAPER	PLUG	BOTT			
1/4	20	-	H3	4	1"	2-1/2	20N116CT	20N116CP	20N116CB	9.00	20N116CS	27.00
1/4	-	28	H3	4	1"	2-1/2	20N116FT	20N116FP	20N116FB	9.00	20N116FS	27.00
5/16	18	-	H3	4	1-1/8	2-23/32	20N120CT	20N120CP	20N120CB	10.61	20N120CS	31.83
5/16	-	24	H3	4	1-1/8	2-23/32	20N120FT	20N120FP	20N120FB	10.61	20N120FS	31.83
3/8	16	-	H3	4	1-1/4	2-15/16	20N124CT	20N124CP	20N124CB	11.35	20N124CS	34.05
3/8	-	24	H3	4	1-1/4	2-15/16	20N124FT	20N124FP	20N124FB	11.35	20N124FS	34.05
7/16	14	-	H3	4	1-7/16	3-5/32	20N128CT	20N128CP	20N128CB	22.92	20N128CS	68.76
7/16	-	20	H3	4	1-1/16	3-5/32	20N128FT	20N128FP	20N128FB	22.92	20N128FS	68.76
1/2	13	-	H3	4	1-21/32	3-3/8	20N132CT	20N132CP	20N132CB	22.45	20N132CS	67.35
1/2	-	20	H3	4	1-21/32	3-3/8	20N132FT	20N132FP	20N132FB	22.45	20N132FS	67.35
9/16	12	-	H3	4	1-21/32	3-19/32	20N136CT	20N136CP	20N136CB	40.37	20N136CS	121.11
9/16	-	18	H3	4	1-21/32	3-19/32	20N136FT	20N136FP	20N136FB	40.37	20N136FS	121.11
5/8	11	-	H3	4	1-13/16	3-13/16	20N140CT	20N140CP	20N140CB	43.33	20N140CS	129.99
5/8	-	18	H3	4	1-13/16	3-13/16	20N140FT	20N140FP	20N140FB	43.33	20N140FS	129.99
11/16	11	-	H3	4	1-13/16	4-1/32	20N144CT	20N144CP	20N144CB	77.39	20N144CS	232.17
11/16	-	16	H3	4	1-13/16	4-1/32	20N144FT	20N144FP	20N144FB	77.39	20N144FS	232.17
3/4	10	-	H3	4	2"	4-1/4	20N148CT	20N148CP	20N148CB	58.46	20N148CS	175.38
3/4	-	16	H3	4	2"	4-1/4	20N148FT	20N148FP	20N148FB	58.46	20N148FS	175.38
7/8	9	-	H4	4	2-7/32	4-11/16	20N156CT	20N156CP	20N156CB	86.61	20N156CS	259.83
7/8	-	14	H4	4	2-7/32	4-11/16	20N156FT	20N156FP	20N156FB	86.61	20N156FS	259.83
1"	8	-	H4	4	2-1/2	5-1/8	20N164CT	20N164CP	20N164CB	115.71	20N164CS	347.13
1"	-	12	H4	4	2-1/2	5-1/8	20N164FT	20N164FP	20N164FB	115.71	20N164FS	347.13
1"	-	14	H4	4	2-1/2	5-1/8	20N164ST	20N164SP	20N164SB	115.71	20N164SS	347.13
1-1/8	7	-	H4	4	2-9/16	5-7/16	20N208CT	20N208CP	20N208CB	154.86	20N208CS	464.58
1-1/8	-	12	H4	4	2-9/16	5-7/16	20N208FT	20N208FP	20N208FB	154.86	20N208FS	464.58
1-1/4	7	-	H4	4	2-9/16	5-3/4	20N216CT	20N216CP	20N216CB	200.14	20N216CS	600.42
1-1/4	-	12	H4	6	2-9/16	5-3/4	20N216FT	20N216FP	20N216FB	200.14	20N216FS	600.42
1-3/8	6	-	H4	4	3"	6-1/16	20N224CT	20N224CP	20N224CB	252.74	20N224CS	758.22
1-3/8	-	12	H4	6	3"	6-1/16	20N224FT	20N224FP	20N224FB	252.74	20N224FS	758.22
1-1/2	6	-	H4	4	3"	6-3/8	20N232CT	20N232CP	20N232CB	297.02	20N232CS	891.06
1-1/2	-	12	H4	6	3"	6-3/8	20N232FT	20N232FP	20N232FB	297.02	20N232FS	891.06

Please specify Taper, Plug or Bottoming

Nitro Hand Taps

MACHINE SCREW SIZES HIGH SPEED M-7N STEEL GROUND THREAD



See page 01 for Technical information on *Nitro* Taps.

Taper Style - Starts the thread square with the workpiece. Plug Style-Generally used in thru holes. Bottoming Style-Generates the thread to the bottom.

Packaging: #0 thru #12, 12 per box.

MADE IN USA

SERIES 2000N

TAPER, PLUG & BOTTOM

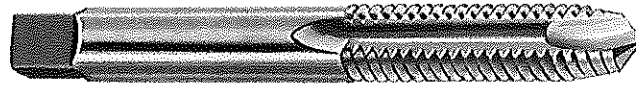
TAP SIZES	NC	NF	PITCH DIA LIMITS	NO OF FLUTES	LENGTH OF THREAD	OVER ALL LENGTH	EDP NUMBERS			LIST PRICE EACH	EDP NUMBER SETS	LIST PRICE SETS
							TAPER	PLUG	BOTT			
0	--	80	H1	2	5/16	1-5/8	20N000FT	20N000FP	20N000FB	\$20.01	20N000FS	\$60.03
1	64	--	H1	2	3/8	1-11/16	20N001CT	20N001CP	20N001CB	18.88	20N001CS	56.64
1	--	72	H1	2	3/8	1-11/16	20N001FT	20N001FP	20N001FB	18.88	20N001FS	56.64
2	56	--	H2	3	7/16	1-3/4	20N002CT	20N002CP	20N002CB	18.92	20N002CS	56.76
2	--	64	H2	3	7/16	1-3/4	20N002FT	20N002FP	20N002FB	18.92	20N002FS	56.76
3	48	--	H2	3	1/2	1-13/16	20N003CT	20N003CP	20N003CB	13.22	20N003CS	39.66
3	--	56	H2	3	1/2	1-13/16	20N003FT	20N003FP	20N003FB	13.22	20N003FS	39.66
4	40	--	H2	3	9/16	1-7/8	20N004CT	20N004CP	20N004CB	13.22	20N004CS	39.66
4	--	48	H2	3	9/16	1-7/8	20N004FT	20N004FP	20N004FB	13.22	20N004FS	39.66
4	--	36	H2	3	9/16	1-7/8	20N004ST	20N004SP	20N004SB	13.22	20N004SS	39.66
5	40	--	H2	3	5/8	1-15/16	20N005CT	20N005CP	20N005CB	9.87	20N005CS	29.61
5	--	44	H2	3	5/8	1-15/16	20N005FT	20N005FP	20N005FB	9.87	20N005FS	29.61
6	32	--	H3	3	11/16	2"	20N006CT	20N006CP	20N006CB	9.31	20N006CS	27.93
6	--	40	H2	3	11/16	2"	20N006FT	20N006FP	20N006FB	9.31	20N006FS	27.93
8	32	--	H3	4	3/4	2-1/8	20N008CT	20N008CP	20N008CB	9.31	20N008CS	27.93
8	--	36	H2	4	3/4	2-1/8	20N008FT	20N008FP	20N008FB	9.31	20N008FS	27.93
10	24	--	H3	4	7/8	2-3/8	20N010CT	20N010CP	20N010CB	9.31	20N010CS	27.93
10	--	32	H3	4	7/8	2-3/8	20N010FT	20N010FP	20N010FB	9.31	20N010FS	27.93
12	24	--	H3	4	15/16	2-3/8	20N012CT	20N012CP	20N012CB	9.96	20N012CS	29.88
12	--	28	H3	4	15/16	2-3/8	20N012FT	20N012FP	20N012FB	9.96	20N012FS	29.88

Spiral Pointed Taps

MACHINE & FRAC SIZES

HIGH SPEED M-2 STEEL

GROUND THREAD



The angular flutes at the front end of these taps propel the chips ahead of the tap. This also reduces loading and clogging in the flutes. This feature plus the excellent shearing action of the flute make spiral pointed taps ideal for production tapping thru holes. They are called "GUN TAPS" because they shoot the chips ahead of the tap.

Packaging: 0 thru 1/4", 12 per box. 5/16" thru 1/2", 6 per box. 9/16" thru 1", 3 per box.

IMPORT

SERIES 2100E

PLUG CHAMFER

TAP SIZES	NATIONAL COURSE	NATIONAL FINE	PITCH DIAMETER LIMITS	NUMBER OF FLUTES	LENGTH OF THREAD	OVERALL LENGTH	EDP NUMBERS PLUG	LIST PRICE EACH
0	--	80	H1	2	5/16	1-5/8	21E000FP	\$15.62
1	64	--	H1	2	3/8	1-11/16	21E001CP	14.05
1	--	72	H1	2	3/8	1-11/16	21E001FP	14.05
2	56	--	H2	2	7/16	1-3/4	21E002CP	11.88
2	--	64	H2	2	7/16	1-3/4	21E002FP	11.88
3	48	--	H2	2	1/2	1-13/16	21E003CP	9.61
3	--	56	H2	2	1/2	1-13/16	21E003FP	9.61
4	40	--	H2	2	9/16	1-7/8	21E004CP	7.18
4	--	48	H2	2	9/16	1-7/8	21E004FP	7.80
4	--	36	H2	2	9/16	1-7/8	21E004SP	7.67
5	40	--	H2	2	5/8	1-15/16	21E005CP	7.18
5	--	44	H2	2	5/8	1-15/16	21E005FP	7.34
6	32	--	H3	2	11/16	2"	21E006CP	6.05
6	--	40	H2	2	11/16	2"	21E006FP	6.23
8	32	--	H3	2	3/4	2-1/8	21E008CP	6.05
8	--	36	H2	2	3/4	2-1/8	21E008FP	6.23
10	24	--	H3	2	7/8	2-3/8	21E010CP	6.22
10	--	32	H3	2	7/8	2-3/8	21E010FP	6.22
12	24	--	H3	2	15/16	2-3/8	21E012CP	6.87
12	--	28	H3	2	15/16	2-3/8	21E012FP	6.87
1/4	20	--	H3	2	1"	2-1/2	21E116CP	6.22
1/4	--	28	H3	2	1"	2-1/2	21E116FP	6.22
5/16	18	--	H3	2	1-1/8	2-23/32	21E120CP	6.66
5/16	--	24	H3	2	1-1/8	2-23/32	21E120FP	6.66
3/8	16	--	H3	3	1-1/4	2-15/16	21E124CP	8.05
3/8	--	24	H3	3	1-1/4	2-15/16	21E124FP	8.05
7/16	14	--	H3	3	1-7/16	3-5/32	21E128CP	13.49
7/16	--	20	H3	3	1-7/16	3-5/32	21E128FP	13.49
1/2	13	--	H3	3	1-21/32	3-3/8	21E132CP	13.75
1/2	--	20	H3	3	1-21/32	3-3/8	21E132FP	13.75
9/16	12	--	H3	3	1-21/32	3-19/32	21E136CP	24.66
9/16	--	18	H3	3	1-21/32	3-19/32	21E136FP	24.66
5/8	11	--	H3	3	1-13/16	3-13/16	21E140CP	28.45
5/8	--	18	H3	3	1-13/16	3-13/16	21E140FP	28.45
11/16	11	--	H3	3	1-13/16	4-1/32	21E144CP	40.19
11/16	--	16	H3	3	1-13/16	4-1/32	21E144FP	40.19
3/4	10	--	H3	3	2"	4-1/4	21E148CP	40.19
3/4	--	16	H3	3	2"	4-1/4	21E148FP	40.19
7/8	9	--	H4	3	2-7/32	4-11/16	21E156CP	57.55
7/8	--	14	H4	3	2-7/32	4-11/16	21E156FP	57.55
1"	8	--	H4	3	2-1/2	5-1/8	21E164CP	76.64
1"	--	12	H4	3	2-1/2	5-1/8	21E164FP	76.64
1"	--	14	H4	3	2-1/2	5-1/8	21E164SP	76.64

Spiral Pointed Taps

MACHINE & FRAC SIZES

HIGH SPEED M-7 STEEL

GROUND THREAD

COATING
TIN
AVAILABLE



The angular flutes at the front end of these taps propel the chips ahead of the tap. This also reduces loading and clogging in the flutes. This feature plus the excellent shearing action of the flute make spiral pointed taps ideal for production tapping thru holes. They are called "GUN TAPS" because they shoot the chips ahead of the tap.

Packaging: 0 thru 1/4", 12 per box. 5/16" thru 1/2", 6 per box. 9/16" thru 1", 3 per box.

MADE IN USA

SERIES 2100

PLUG CHAMFER

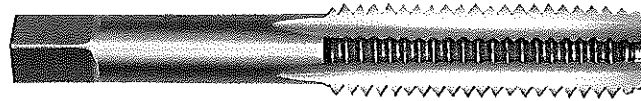
TAP SIZES	NATIONAL COURSE	NATIONAL FINE	PITCH DIAMETER LIMITS	NUMBER OF FLUTES	LENGTH OF THREAD	OVERALL LENGTH	EDP NUMBERS PLUG	LIST PRICE EACH
0	--	80	H1	2	5/16	1-5/8	21A000FP	\$20.88
1	64	--	H1	2	3/8	1-11/16	21A001CP	16.79
1	--	72	H1	2	3/8	1-11/16	21A001FP	16.79
2	56	--	H2	2	7/16	1-3/4	21A002CP	16.83
2	--	64	H2	2	7/16	1-3/4	21A002FP	16.83
3	48	--	H2	2	1/2	1-13/16	21A003CP	12.27
3	--	56	H2	2	1/2	1-13/16	21A003FP	12.27
4	40	--	H2	2	9/16	1-7/8	21A004CP	12.27
4	--	48	H2	2	9/16	1-7/8	21A004FP	12.27
4	--	36	H2	2	9/16	1-7/8	21A004SP	12.27
5	40	--	H2	2	5/8	1-15/16	21A005CP	12.27
5	--	44	H2	2	5/8	1-15/16	21A005FP	12.27
6	32	--	H3	2	11/16	2"	21A006CP	9.66
6	--	40	H2	2	11/16	2"	21A006FP	9.66
8	32	--	H3	2	3/4	2-1/8	21A008CP	9.66
8	--	36	H2	2	3/4	2-1/8	21A008FP	9.66
10	24	--	H3	2	7/8	2-3/8	21A010CP	9.92
10	--	32	H3	2	7/8	2-3/8	21A010FP	9.92
12	24	--	H3	2	15/16	2-3/8	21A012CP	9.92
12	--	28	H3	2	15/16	2-3/8	21A012FP	9.92
1/4	20	--	H3	2	1"	2-1/2	21A116CP	8.48
1/4	--	28	H3	2	1"	2-1/2	21A116FP	8.48
5/16	18	--	H3	2	1-1/8	2-23/32	21A120CP	9.74
5/16	--	24	H3	2	1-1/8	2-23/32	21A120FP	9.74
3/8	16	--	H3	3	1-1/4	2-15/16	21A124CP	10.57
3/8	--	24	H3	3	1-1/4	2-15/16	21A124FP	10.57
7/16	14	--	H3	3	1-7/16	3-5/32	21A128CP	20.88
7/16	--	20	H3	3	1-7/16	3-5/32	21A128FP	20.88
1/2	13	--	H3	3	1-21/32	3-3/8	21A132CP	20.31
1/2	--	20	H3	3	1-21/32	3-3/8	21A132FP	20.31
9/16	12	--	H3	3	1-21/32	3-19/32	21A136CP	36.15
9/16	--	18	H3	3	1-21/32	3-19/32	21A136FP	36.15
5/8	11	--	H3	3	1-13/16	3-13/16	21A140CP	38.98
5/8	--	18	H3	3	1-13/16	3-13/16	21A140FP	38.98
3/4	10	--	H3	3	2"	4-1/4	21A148CP	52.29
3/4	--	16	H3	3	2"	4-1/4	21A148FP	52.29
7/8	9	--	H4	3	2-7/32	4-11/16	21A156CP	82.48
7/8	--	14	H4	3	2-7/32	4-11/16	21A156FP	82.48
1"	8	--	H4	3	2-1/2	5-1/8	21A164CP	103.10
1"	--	12	H4	3	2-1/2	5-1/8	21A164FP	103.10
1"	--	14	H4	3	2-1/2	5-1/8	21A164SP	103.10

Hand Taps

FRACTIONAL SIZES

HIGH SPEED M-2 STEEL

GROUND THREAD



"Hand Taps" are the most popular style in general machine tapping operations and are appropriate for the vast majority of materials and conditions. They are for general use in production tapping or hand operations. Taper, Plug and Bottoming styles provide great versatility in tough materials, blind and thru holes. Taper Style - Starts the thread square with the workpiece. Plug Style - Generally used in thru holes. Bottoming Style - Generates the thread to the bottom.

Packaging: 0 thru 1/4", 12 per box. 5/16" thru 1/2", 6 per box. 9/16" thru 1", 3 per box. 1-1/8" & up individually packaged.

IMPORT

SERIES 2000E

TAPER, PLUG & BOTTOM

TAP SIZES	NC	NF	PITCH DIA LIMITS	NO OF FLUTES	LENGTH OF THREAD	OVER ALL LENGTH	EDP NUMBERS			LIST PRICE EACH	EDP NUMBER SETS	LIST PRICE SETS
							TAPER	PLUG	BOTT			
1/4	20	-	H3	4	1"	2-1/2	20E116CT	20E116CP	20E116CB	\$5.00	20E116CS	\$15.00
1/4	-	28	H3	4	1"	2-1/2	20E116FT	20E116FP	20E116FB	5.00	20E116FS	15.00
5/16	18	-	H3	4	1-1/8	2-23/32	20E120CT	20E120CP	20E120CB	6.31	20E120CS	18.93
5/16	-	24	H3	4	1-1/8	2-23/32	20E120FT	20E120FP	20E120FB	6.31	20E120FS	18.93
3/8	16	-	H3	4	1-1/4	2-15/16	20E124CT	20E124CP	20E124CB	7.18	20E124CS	21.54
3/8	-	24	H3	4	1-1/4	2-15/16	20E124FT	20E124FP	20E124FB	7.18	20E124FS	21.54
7/16	14	-	H3	4	1-7/16	3-5/32	20E128CT	20E128CP	20E128CB	11.75	20E128CS	35.25
7/16	-	20	H3	4	1-1/16	3-5/32	20E128FT	20E128FP	20E128FB	11.75	20E128FS	35.25
1/2	13	-	H3	4	1-21/32	3-3/8	20E132CT	20E132CP	20E132CB	13.05	20E132CS	39.15
1/2	-	20	H3	4	1-21/32	3-3/8	20E132FT	20E132FP	20E132FB	13.05	20E132FS	39.15
9/16	12	-	H3	4	1-21/32	3-19/32	20E136CT	20E136CP	20E136CB	20.88	20E136CS	62.64
9/16	-	18	H3	4	1-21/32	3-19/32	20E136FT	20E136FP	20E136FB	20.88	20E136FS	62.64
5/8	11	-	H3	4	1-13/16	3-13/16	20E140CT	20E140CP	20E140CB	26.10	20E140CS	78.30
5/8	-	18	H3	4	1-13/16	3-13/16	20E140FT	20E140FP	20E140FB	26.10	20E140FS	78.30
11/16	11	-	H3	4	1-13/16	4-1/32	20E144CT	20E144CP	20E144CB	31.10	20E144CS	93.30
11/16	-	16	H3	4	1-13/16	4-1/32	20E144FT	20E144FP	20E144FB	31.10	20E144FS	93.30
3/4	10	-	H3	4	2"	4-1/4	20E148CT	20E148CP	20E148CB	34.80	20E148CS	104.40
3/4	-	16	H3	4	2"	4-1/4	20E148FT	20E148FP	20E148FB	34.80	20E148FS	104.40
7/8	9	-	H4	4	2-7/32	4-11/16	20E156CT	20E156CP	20E156CB	48.50	20E156CS	145.50
7/8	-	14	H4	4	2-7/32	4-11/16	20E156FT	20E156FP	20E156FB	48.50	20E156FS	145.50
1"	8	-	H4	4	2-1/2	5-1/8	20E164CT	20E164CP	20E164CB	65.25	20E164CS	195.75
1"	-	12	H4	4	2-1/2	5-1/8	20E164FT	20E164FP	20E164FB	66.34	20E164FS	199.02
1"	-	14	H4	4	2-1/2	5-1/8	20E164ST	20E164SP	20E164SB	66.34	20E164SS	199.02
1-1/8	7	-	H4	4	2-9/16	5-7/16	20E208CT	20E208CP	20E208CB	103.23	20E208CS	309.69
1-1/8	-	12	H4	4	2-9/16	5-7/16	20E208FT	20E208FP	20E208FB	109.62	20E208FS	328.86
1-1/4	7	-	H4	4	2-9/16	5-3/4	20E216CT	20E216CP	20E216CB	135.20	20E216CS	405.60
1-1/4	-	12	H4	6	2-9/16	5-3/4	20E216FT	20E216FP	20E216FB	137.94	20E216FS	413.82
1-3/8	6	-	H4	4	3"	6-1/16	20E224CT	20E224CP	20E224CB	170.82	20E224CS	512.46
1-3/8	-	12	H4	6	3"	6-1/16	20E224FT	20E224FP	20E224FB	171.84	20E224FS	515.52
1-1/2	6	-	H4	4	3"	6-3/8	20E232CT	20E232CP	20E232CB	196.40	20E232CS	589.20
1-1/2	-	12	H4	6	3"	6-3/8	20E232FT	20E232FP	20E232FB	200.06	20E232FS	600.18

Please specify Taper, Plug or Bottoming

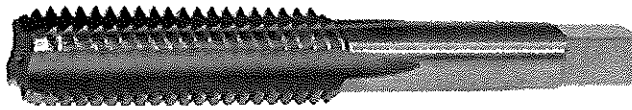
Hand Taps

FRACTIONAL SIZES

HIGH SPEED M-7 STEEL

GROUND THREAD

COATING
TIN
AVAILABLE



"Hand Taps" are the most popular style in general machine tapping operations and are appropriate for the vast majority of materials and conditions. They are for general use in production tapping or hand operations. Taper, Plug and Bottoming styles provide great versatility in tough materials, blind and thru holes. Taper Style - Starts the thread square with the workpiece. Plug Style - Generally used in thru holes. Bottoming Style - Generates the thread to the bottom.

Packaging: 0 thru 1/4", 12 per box. 5/16" thru 1/2", 6 per box. 9/16" thru 1", 3 per box. 1-1/8" & up individually packaged.

MADE IN USA

SERIES 2000

TAPER, PLUG & BOTTOM

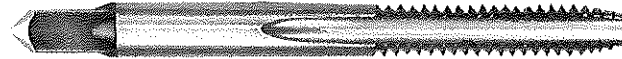
TAP SIZES	NC	NF	PITCH DIA LIMITS	NO OF FLUTES	LENGTH OF THREAD	OVER ALL LENGTH	EDP NUMBERS			LIST PRICE EACH	EDP NUMBER SETS	LIST PRICE SETS
							TAPER	PLUG	BOTT			
1/4	20	-	H3	4	1"	2-1/2	20A116CT	20A116CP	20A116CB	\$7.83	20A116CS	\$23.49
1/4	-	28	H3	4	1"	2-1/2	20A116FT	20A116FP	20A116FB	7.83	20A116FS	23.49
5/16	18	-	H3	4	1-1/8	2-23/32	20A120CT	20A120CP	20A120CB	9.22	20A120CS	27.66
5/16	-	24	H3	4	1-1/8	2-23/32	20A120FT	20A120FP	20A120FB	9.22	20A120FS	27.66
3/8	16	-	H3	4	1-1/4	2-15/16	20A124CT	20A124CP	20A124CB	9.87	20A124CS	29.61
3/8	-	24	H3	4	1-1/4	2-15/16	20A124FT	20A124FP	20A124FB	9.87	20A124FS	29.61
7/16	14	-	H3	4	1-7/16	3-5/32	20A128CT	20A128CP	20A128CB	19.92	20A128CS	59.76
7/16	-	20	H3	4	1-1/16	3-5/32	20A128FT	20A128FP	20A128FB	19.92	20A128FS	59.76
1/2	13	-	H3	4	1-21/32	3-3/8	20A132CT	20A132CP	20A132CB	19.53	20A132CS	58.59
1/2	-	20	H3	4	1-21/32	3-3/8	20A132FT	20A132FP	20A132FB	19.53	20A132FS	58.59
9/16	12	-	H3	4	1-21/32	3-19/32	20A136CT	20A136CP	20A136CB	35.10	20A136CS	105.30
9/16	-	18	H3	4	1-21/32	3-19/32	20A136FT	20A136FP	20A136FB	35.10	20A136FS	105.30
5/8	11	-	H3	4	1-13/16	3-13/16	20A140CT	20A140CP	20A140CB	37.67	20A140CS	113.01
5/8	-	18	H3	4	1-13/16	3-13/16	20A140FT	20A140FP	20A140FB	37.67	20A140FS	113.01
11/16	11	-	H3	4	1-13/16	4-1/32	20A144CT	20A144CP	20A144CB	67.29	20A144CS	201.87
11/16	-	16	H3	4	1-13/16	4-1/32	20A144FT	20A144FP	20A144FB	67.29	20A144FS	201.87
3/4	10	-	H3	4	2"	4-1/4	20A148CT	20A148CP	20A148CB	50.85	20A148CS	152.55
3/4	-	16	H3	4	2"	4-1/4	20A148FT	20A148FP	20A148FB	50.85	20A148FS	152.55
7/8	9	-	H4	4	2-7/32	4-11/16	20A156CT	20A156CP	20A156CB	75.30	20A156CS	225.90
7/8	-	14	H4	4	2-7/32	4-11/16	20A156FT	20A156FP	20A156FB	75.30	20A156FS	225.90
1"	8	-	H4	4	2-1/2	5-1/8	20A164CT	20A164CP	20A164CB	100.62	20A164CS	301.86
1"	-	12	H4	4	2-1/2	5-1/8	20A164FT	20A164FP	20A164FB	100.62	20A164FS	301.86
1"	-	14	H4	4	2-1/2	5-1/8	20A164ST	20A164SP	20A164SB	100.62	20A164SS	301.86
1-1/8	7	-	H4	4	2-9/16	5-7/16	20A208CT	20A208CP	20A208CB	134.68	20A208CS	404.04
1-1/8	-	12	H4	4	2-9/16	5-7/16	20A208FT	20A208FP	20A208FB	134.68	20A208FS	404.04
1-1/4	7	-	H4	4	2-9/16	5-3/4	20A216CT	20A216CP	20A216CB	174.04	20A216CS	522.12
1-1/4	-	12	H4	6	2-9/16	5-3/4	20A216FT	20A216FP	20A216FB	174.04	20A216FS	522.12
1-3/8	6	-	H4	4	3"	6-1/16	20A224CT	20A224CP	20A224CB	219.76	20A224CS	659.28
1-3/8	-	12	H4	6	3"	6-1/16	20A224FT	20A224FP	20A224FB	219.76	20A224FS	659.28
1-1/2	6	-	H4	4	3"	6-3/8	20A232CT	20A232CP	20A232CB	258.26	20A232CS	774.78
1-1/2	-	12	H4	6	3"	6-3/8	20A232FT	20A232FP	20A232FB	258.26	20A232FS	774.78

Hand Taps

MACHINE SCREW SIZES

HIGH SPEED M-2 STEEL

GROUND THREAD



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Packaging: #0 thru #12, 12 per box.

IMPORT			SERIES 2000E				TAPER, PLUG & BOTTOM					
TAP SIZES	NC	NF	PITCH DIA LIMITS	NO OF FLUTES	LENGTH OF THREAD	OVER-ALL LENGTH	EDP NUMBERS			LIST PRICE EACH	EDP NUMBER SETS	LIST PRICE SETS
							TAPER	PLUG	BOTT			
0	--	80	H1	2	5/16	1-5/8	20E000FT	20E000FP	20E000FB	\$13.05	20E000FS	\$39.15
1	64	--	H1	2	3/8	1-11/16	20E001CT	20E001CP	20E001CB	12.75	20E001CS	38.25
1	--	72	H1	2	3/8	1-11/16	20E001FT	20E001FP	20E001FB	12.75	20E001FS	38.25
2	56	--	H2	3	7/16	1-3/4	20E002CT	20E002CP	20E002CB	10.44	20E002CS	31.32
2	--	64	H2	3	7/16	1-3/4	20E002FT	20E002FP	20E002FB	10.44	20E002FS	31.32
3	48	--	H2	3	1/2	1-13/16	20E003CT	20E003CP	20E003CB	8.31	20E003CS	24.93
3	--	56	H2	3	1/2	1-13/16	20E003FT	20E003FP	20E003FB	8.31	20E003FS	24.93
4	40	--	H2	3	9/16	1-7/8	20E004CT	20E004CP	20E004CB	5.87	20E004CS	17.61
4	--	48	H2	3	9/16	1-7/8	20E004FT	20E004FP	20E004FB	6.53	20E004FS	19.59
4	--	36	H2	3	9/16	1-7/8	20E004ST	20E004SP	20E004SB	6.53	20E004SS	19.59
5	40	--	H2	3	5/8	1-15/16	20E005CT	20E005CP	20E005CB	6.09	20E005CS	18.27
5	--	44	H2	3	5/8	1-15/16	20E005FT	20E005FP	20E005FB	6.53	20E005FS	19.59
6	32	--	H3	3	11/16	2"	20E006CT	20E006CP	20E006CB	4.57	20E006CS	13.71
6	--	40	H2	3	11/16	2"	20E006FT	20E006FP	20E006FB	4.79	20E006FS	14.37
8	32	--	H3	4	3/4	2-1/8	20E008CT	20E008CP	20E008CB	4.79	20E008CS	14.37
8	--	36	H2	4	3/4	2-1/8	20E008FT	20E008FP	20E008FB	4.79	20E008FS	14.37
10	24	--	H3	4	7/8	2-3/8	20E010CT	20E010CP	20E010CB	4.79	20E010CS	14.37
10	--	32	H3	4	7/8	2-3/8	20E010FT	20E010FP	20E010FB	4.79	20E010FS	14.37
12	24	--	H3	4	15/16	2-3/8	20E012CT	20E012CP	20E012CB	5.22	20E012CS	15.66
12	--	28	H3	4	15/16	2-3/8	20E012FT	20E012FP	20E012FB	5.22	20E012FS	15.66

Please specify Taper, Plug or Bottoming

Tap and Die Sets

HAND TAPS

PIPE TAPS

ROUND DIES

HEX DIES

20 Pc. TAP and DIE SETS (USA TAPS)

HSS-Tap & Round Adjustable Die Set (NC)	2000RC20	\$477.93
HSS-Tap & Hexagon Die Set (NC)	2000HC20	671.70
HSS-Tap & Round Adjustable Die Set (NF)	2000RF20	483.86
HSS-Tap & Hexagon Die Set (NF)	2000HF20	677.63

TAP & DIES-1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4
 INCLUDES-1-1/2" Round Die Stock, #7 to 1/2" Adjustable Tap Wrench,
 #12 to 1/2" T-Handle Tap Wrench & 1 Screw Driver

38 Pc. TAP and DIE SETS (USA TAPS)

HSS-Tap & Round Adjustable Die Set	2000R38	\$716.72
HSS-Tap & Hexagon Die Set	2000H38	888.14

TAP & DIES-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 & 1/8-27 NPT
 INCLUDES-1" Round Die Stock, #1/4 to 1" Adjustable Tap Wrench,
 #0" to 3/8" T-Handle Tap Wrench and 1 Screw Driver.

25 Pc. TAP and DIE SETS (USA Taps)

HSS-Tap & Round Adjustable Die Set	2000R25	\$1,387.34
HSS-Tap & Hexagon Die Set	2000H25	1,519.97

TAP & DIES-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"-12
 & 1/4-18 NPT
 INCLUDES-2" Round Die Stock, 1/4" to 1" Adjustable Tap Wrench & 1 Screw Driver.

63 Pc. TAP and DIE SETS (USA TAPS)

HSS-Tap & Round Adjustable Die Set	2000R63	\$2,060.56
HSS-Tap & Hexagon Die Set	2000H63	2,364.61

TAP & DIES-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"-12, 1/8-27 NPT & 1/4-18 NPT
 INCLUDES-1" & 2" O.D. Round Die Stocks,
 #7 to 1/2" & 1/4" to 1" Adjustable Tap Wrenches,
 #0 to 3/8" T-Handle Tap Wrench & 2 Screw Drivers.

TAP & DIE SETS (IMPORT)

HSS-40 pc Tap & Die Set 4-40 thru 1/2"	2000E40	\$445.88
HSS-36 pc Metric Tap & Die Set 5mm thru 12mm	2800E36	429.43
CARBON-36 pc Metric Tap & Die Set 5mm thru 12mm	2800C36	313.72

HEXAGON DIE SETS

HSS-10pc Hexagon Threading Die Set (NC)	3300EC10	\$547.28
HSS-10pc Hexagon Threading Die Set (NF)	3300EF10	547.28
CARBON-10pc Hex Rethreading Die Set (NC)	3350CC10	243.14
CARBON-10pc Hex Rethreading Die Set (NF)	3350CF10	243.14
HSS-20pc Hex Threading Die Set (NC & NF)	3300E20	1,051.06
CARB-20pc Hex Rethreading Die Set (NC & NF)	3350C20	442.78

HEX DIES-1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8 & 1"

12 Pc. PIPE TAP & DIE SET (IMPORT)

CARBON-Taper Pipe Taps & Dies	2700C12	\$313.72
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TAPER PIPE TAPS-1/8-27, 1/4-18, 3/8-18, 1/2-14, 3/4-14 & 1"-11-1/2.
 HEXAGON PIPE DIES-1/8-27, 1/4-18, 3/8-18, 1/2-14, 3/4-14 & 1"-11-1/2.

