



Special Taps, Dies & Gages

Interactive Price List

POPULAR SPECIAL TAPS, DIES & GAGES (Machine Screw and Inch Sizes)

#00-90 NS
to #1-72 NF

#1-72 NF
to #2-64 NF

#2-64 NF
to #3-56 NF

#3-56 NF
to #4-48 NF

#4-48 NF
to #5-40 NC

#5-44 NF
to #6-32 NC

#6-32 NC
to #8-32 NC

#8-32 NC
to #8-36 NF

#8-36 NF
to #10-24 NC

#10-24 NC
to #10-32 NF

#10-32 NF
to #12-24 NC

#12-24 NC
to #12-36 NS

#14-20 NS
to 1/8"-27 Pipe Tap

1/8"-28 55° Whit. Pipe
to 1/4"-18 Pipe Tap

1/4"-19 55° Whit. Pipe
to 1/4"-20 NC

1/4"-20 NC
to 1/4"-28 NF

1/4"-28 NF
to 1/4"-48 NS

1/4"-56 NS
to 5/16"-18 NC

5/16"-18 NC
to 5/16"-24 NF

5/16"-24 NF
to 11/32"-32 NS

3/8"-12 ACME
to 3/8"-16 NC

3/8"-16 NC
to 3/8"-20 NS

3/8"-20 BSF 55° Mod. Whit.
to 3/8"-27 NS

3/8"-28 NS
to 7/16"-14 NC

7/16"-14 NC
to 7/16"-20 NF

7/16"-20 NF
to 7/16"-32 NS

7/16"-40 NS
to 1/2"-13 NC

1/2"-13 NC
to 1/2"-14 NS

1/2"-16 NS
to 1/2"-20 NF

1/2"-24 NS
to 9/16"-12 NC

9/16"-12 NC
to 9/16"-18 NF

9/16"-18 NF
to 5/8"-8 ACME

5/8"-11 NC
to 5/8"-16 NS

POPULAR SPECIAL TAPS, DIES & GAGES
(Machine Screw and Inch Sizes) cont.

5/8"-16 NS
to 5/8"-20 NS

5/8"-20 NS
to 11/16"-16 NS

11/16"-16 NS
to 11/16"-32 NS

11/16"-32 NS
to 3/4"-10 NC

3/4"-10 ACME
to 3/4"-14 55° Whit. Pipe

3/4"-16 NF
to 3/4"-20 NEF

3/4"-24 NS
to 13/16"-16 NS

13/16"-18 NS
to 7/8"-10 NS

7/8"-12 NS
to 7/8"-20 NEF

7/8"-20 NEF
to 15/16"-20 NEF

15/16"-20 NEF
to 1"-8 NC

1"-8 NC
to 1"-12 NF

1"-12 NF
to 1"-27 NS

1"-32 NS
to 1-1/16"-18 NEF

1-1/16"-20 NS
to 1-1/8"-10 NS

1-1/8"-12 NF
to 1-1/8"-20 NS

1-1/8"-24 NS
to 1-3/16"-18 NEF

1-3/16"-20 NS
to 1-1/4"-10 NS

1-1/4"-11 55° Whit. Pipe
to 1-1/4"-16 NS

1-1/4"-18 NEF
to 1-5/16"-18 NEF

1-5/16"-18 NEF
to 1-3/8"-12 NF

1-3/8"-12 NF
to 1-7/16"-18 NEF

1-1/2"-4 ACME
to 1-1/2"-11 1/2 Pipe Tap

1-1/2"-11 1/2 Pipe Tap
to 1-1/2"-20 NS

1-1/2"-20 NS
to 1-3/4"-10 NS

1-3/4"-12 NS
to 2"-8 NS

2"-11 55° Whit. Pipe
to 2-1/4"-12 NS

2-1/4"-12 NS
to 3"-8 NS

3"-8 Pipe Tap
to 4"-8 NS

4"-8 Pipe Tap
to 4"-12 NS

POPULAR SPECIAL TAPS, DIES & GAGES
(Metric Sizes)

M1.6 x 0.35
to M2.5 x 0.45

M2.5 x 0.45
to M3.5 x 0.6

M3.5 x 0.6
to M4.5 x 0.75

M4.5 x 0.75
to M5 x 0.8

M5 x 0.5
to M7 x 1.0

M7 x 1.0
to M8 x 1.0

POPULAR SPECIAL TAPS, DIES & GAGES
(Metric Sizes) cont.

M8 x 1.0
to M9 x 1.25

M14 x 1.5
to M16 x 2.0

M27 x 3.0
to M30 x 2.0

M9 x 1.0
to M10 x 1.25

M16 x 2.0
to M18 x 1.5

M30 x 1.5
to M33 x 2.0

M10 x 1.25
to M12 x 1.75

M18 x 1.5
to M20 x 1.5

M35 x 1.5
to M36 x 1.5

M12 x 1.75
to M12 x 1.25

M20 x 1.5
to M24 x 3.0

M39 x 4.0
to M42 x 1.5

M12 x 1.25
to M14 x 1.5

M24 x 3.0
to M27 x 3.0

SPECIAL PRICING TABLES: SPECIAL TAPS

Conduit Thread
Taps

Coolant-Through
Taps

Carb-I-Sert™
Carbide Insert Taps

HSS Special
Spiral Flute Taps

HSS Special
Pipe Taps

Special Dies
and Adapters

HSS Special
Hand Taps

HSS Special
Acme Hand Taps

Tap Extensions
for ANSI Std. Taps

HSS Special
Hand Taps (cont.)

HSS Special
Tandem Style Acme Taps

Tap Extensions for Coolant-
Through ANSI Std. Taps

Cost Cutter™
Drill & Tap

Solid Carbide
Taps-Inch

Tap Extensions for
DIN Standard Taps

Tru-Flo™
Thread Forming Taps

Solid Carbide
Taps-Metric

“Smart” Products:
Industrial Cutting Fluids

North American Tool
Contact Information

POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
#00-90 NS						<i>Recommended Hole Size Based on 75% Thread = .0362"</i>							
SPIRAL POINT	1	3B	0	15001		174.20	133.00	95.60	66.90	55.90	50.20	40.80	36.60
#00-96 NS						<i>Recommended Hole Size Based on 75% Thread = .0370"</i>							
SPIRAL POINT	1	3B	0	15003		174.20	133.00	95.60	66.90	55.90	50.20	40.80	36.60
#0-80 NF						<i>Recommended Hole Size based on 75% Thread = .0479"</i> <i>TRU-FLO at 65% Thread = .0545"</i>							
L.H. HAND TAP	1	3B	2	17951	17952	69.70	69.70	69.70	50.50	50.50	30.80	24.80	22.20
L.H. SPIRAL POINT	1	3B	0	15012		69.70	69.70	69.70	50.50	50.50	30.80	24.80	22.20
L.H. SPIRAL POINT	1	3B	2	17953		75.40	75.40	75.40	52.70	52.70	32.90	28.20	25.20
SPIRAL POINT	3		0	15008		70.80	68.20	65.50	46.00	34.50	28.10	23.10	21.00
"TRU-FLO" FORM TAP	2	3B	0		19000	36.70	36.70	36.70	36.70	36.70	36.70	31.60	27.40
"TRU-FLO" FORM TAP	3	2B	0		19001	36.70	36.70	36.70	36.70	36.70	36.70	31.60	27.40
SOLID CARBIDE / HAND	2	2B	2	41579	41580	80.10	73.20	69.20	67.40	67.00	59.20	57.20	55.00
GAGE - Taperlock Style		2B		23003		108.60							
GAGE - Taperlock Style		3B		23004		108.60							
GAGE - Reversible Style		2B		24194		139.30							
GAGE - Reversible Style		3B		24195		139.30							
GAGE - Ring-Go		2A		23350		151.00							
GAGE - Ring-Go		3A		23351		151.00							
GAGE - Ring-NoGo		2A		23352		151.00							
GAGE - Ring-NoGo		3A		23353		151.00							
GAGE - L.H. Taperlock Style		2B		22000		207.90							
GAGE - L.H. Taperlock Style		3B		22001		207.90							
GAGE - L.H. Reversible Style		2B		22002		257.40							
GAGE - L.H. Reversible Style		3B		22003		257.40							
#1-56 NS						<i>Recommended Hole Size based on 75% Thread = .0559"</i>							
SPIRAL POINT	1	3B	0	15020		70.80	68.20	65.50	46.00	34.50	28.10	23.10	21.00
#1-64 NC						<i>Recommended Hole Size Based on TRU-FLO at 65% Thread = .0661"</i>							
"TRU-FLO" FORM TAP	2	3B	0		19002	35.30	35.30	35.30	35.30	35.30	35.30	30.00	25.90
"TRU-FLO" FORM TAP	3	2B	0		19003	35.30	35.30	35.30	35.30	35.30	35.30	30.00	25.90
GAGE - Taperlock Style		2B		23008		108.60							
GAGE - Taperlock Style		3B		23009		108.60							
GAGE - Reversible Style		2B		24199		139.30							
GAGE - Reversible Style		3B		24200		139.30							
GAGE - Ring-Go		2A		23356		137.80							
GAGE - Ring-Go		3A		23357		137.80							
GAGE - Ring-NoGo		2A		23358		137.80							
GAGE - Ring-NoGo		3A		23359		137.80							
GAGE - L.H. Taperlock Style		2B		22004		207.90							
GAGE - L.H. Taperlock Style		3B		22005		207.90							
GAGE - L.H. Reversible Style		2B		22006		257.40							
GAGE - L.H. Reversible Style		3B		22007		257.40							
#1-72 NF						<i>Recommended Hole Size Based on TRU-FLO at 65% Thread = .0669"</i>							
"TRU-FLO" FORM TAP	2	3B	0		19004	35.30	35.30	35.30	35.30	35.30	35.30	30.00	25.90
"TRU-FLO" FORM TAP	3	2B	0		19005	35.30	35.30	35.30	35.30	35.30	35.30	30.00	25.90
GAGE - Taperlock Style		2B		23013		108.60							
GAGE - Taperlock Style		3B		23014		108.60							
GAGE - Reversible Style		2B		24204		139.30							

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- Note: For Unified, Metric and Pipe EXTENSION taps, S.T.I. taps and gage sizes, or SPECIAL taps NOT LISTED, please contact our Customer Service Dept.
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BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
#1-72 NF				<i>See Previous Page for Recommended Hole Size</i>									
GAGE - Reversible Style		3B		24205		139.30							
GAGE - Ring-Go		2A		23362		137.80							
GAGE - Ring-Go		3A		23363		137.80							
GAGE - Ring-NoGo		2A		23364		137.80							
GAGE - Ring-NoGo		3A		23365		137.80							
GAGE - L.H. Taperlock Style		2B		22008		207.90							
GAGE - L.H. Taperlock Style		3B		22009		207.90							
GAGE - L.H. Reversible Style		2B		22010		257.40							
GAGE - L.H. Reversible Style		3B		22011		257.40							

#2-56 NC				<i>Recommended Hole Size based on 75% Thread = .0689" TRU-FLO at 65% Thread = .0781"</i>									
L.H. HAND TAP	2	2B	2	15038	15039	69.00	64.60	62.70	45.00	32.60	26.40	21.00	19.40
L.H. SPIRAL POINT	2	2B	2	15036		70.70	66.20	64.40	46.50	34.20	28.20	22.60	21.20
SPIRAL POINT	3		2	17734		97.10	70.50	66.40	48.50	35.90	29.30	23.30	21.80
HAND TAP	4		2	17763	17764	95.20	68.60	64.90	46.80	34.00	27.60	21.70	20.80
SPIRAL POINT	4		2	17735		97.10	70.50	66.40	48.50	35.90	29.30	23.30	22.30
SPIRAL POINT	5		2	17668		97.10	70.50	66.40	48.50	35.90	29.30	23.30	22.30
SPIRAL POINT +.003	7		2	17691		97.10	70.50	66.40	48.50	35.90	29.30	23.30	22.30
"TRU-FLO" FORM TAP	2	3B	0		19006	34.40	34.40	34.40	34.40	34.40	34.40	29.20	25.00
"TRU-FLO" FORM TAP	3	2B	0		19007	34.40	34.40	34.40	34.40	34.40	34.40	29.20	25.00
SOLID CARBIDE / HAND	2	2B	2	41536	41537	80.10	73.20	69.20	67.40	67.00	59.20	57.20	55.00
SOLID CARBIDE / SP PT	2	2B	2	41538		82.20	75.30	71.30	69.50	69.10	61.30	59.30	57.10
GAGE - Taperlock Style		2B		23018		105.60							
GAGE - Taperlock Style		3B		23019		105.60							
GAGE - Reversible Style		2B		24209		139.30							
GAGE - Reversible Style		3B		24210		139.30							
GAGE - Ring-Go		2A		23368		131.90							
GAGE - Ring-Go		3A		23369		131.90							
GAGE - Ring-NoGo		2A		23370		131.90							
GAGE - Ring-NoGo		3A		23371		131.90							
GAGE - STI Plug Taperlock		2B		24597		140.70							
GAGE - STI Plug Taperlock		3B		24598		140.70							
GAGE - L.H. Taperlock Style		2B		22012		207.90							
GAGE - L.H. Taperlock Style		3B		22013		207.90							
GAGE - L.H. Reversible Style		2B		22014		257.40							
GAGE - L.H. Reversible Style		3B		22015		257.40							
GAGE - L.H. Ring-Go		2A		22016		269.00							
GAGE - L.H. Ring-NoGo		2A		22017		269.00							
GAGE - L.H. Ring-Go		3A		22018		269.00							
GAGE - L.H. Ring-NoGo		3A		22019		269.00							

#2-64 NF				<i>Recommended Hole Size Based on TRU-FLO at 65% Thread = .0791"</i>									
"TRU-FLO" FORM TAP	2	3B	0		19008	34.40	34.40	34.40	34.40	34.40	34.40	29.20	25.00
"TRU-FLO" FORM TAP	3	2B	0		19009	34.40	34.40	34.40	34.40	34.40	34.40	29.20	25.00
GAGE - Taperlock Style		2B		23023		105.60							
GAGE - Taperlock Style		3B		23024		105.60							
GAGE - Reversible Style		2B		24214		139.30							
GAGE - Reversible Style		3B		24215		139.30							
GAGE - Ring-Go		2A		23374		131.90							
GAGE - Ring-Go		3A		23375		131.90							
GAGE - Ring-NoGo		2A		23376		131.90							
GAGE - Ring-NoGo		3A		23377		131.90							

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BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
#2-64 NF					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - L.H. Taperlock Style		2B		22020		207.90							
GAGE - L.H. Taperlock Style		3B		22021		207.90							
GAGE - L.H. Reversible Style		2B		22022		257.40							
GAGE - L.H. Reversible Style		3B		22023		257.40							
GAGE - L.H. Ring-Go		2A		22024		269.00							
GAGE - L.H. Ring-NoGo		2A		22025		269.00							
GAGE - L.H. Ring-Go		3A		22026		269.00							
GAGE - L.H. Ring-NoGo		3A		22027		269.00							

#3-48 NC					<i>Recommended Hole Size based on 75% Thread = .079" TRU-FLO at 65% Thread = .0898"</i>								
L.H. HAND TAP	2	2B	2	15050	15051	65.20	64.60	59.80	39.40	28.40	22.40	19.00	17.50
L.H. SPIRAL POINT	2	2B	2	15048		66.30	65.70	61.20	40.70	29.70	23.90	20.20	18.70
"TRU-FLO" FORM TAP	2	3B	0		19010	29.80	29.80	29.80	29.80	29.80	29.80	24.80	21.70
"TRU-FLO" FORM TAP	3	2B	0		19011	29.80	29.80	29.80	29.80	29.80	29.80	24.80	21.70
GAGE - Taperlock Style		2B		23028		99.70							
GAGE - Taperlock Style		3B		23029		99.70							
GAGE - Reversible Style		2B		24219		130.60							
GAGE - Reversible Style		3B		24220		130.60							
GAGE - Ring-Go		2A		23380		131.90							
GAGE - Ring-Go		3A		23381		131.90							
GAGE - Ring-NoGo		2A		23382		131.90							
GAGE - Ring-NoGo		3A		23383		131.90							
GAGE - STI Taperlock		2B		22028		108.90							
GAGE - STI Taperlock		3B		22029		108.90							
GAGE - L.H. Taperlock Style		2B		22030		198.00							
GAGE - L.H. Taperlock Style		3B		22031		198.00							
GAGE - L.H. Reversible Style		2B		22032		245.30							
GAGE - L.H. Reversible Style		3B		22033		245.30							
GAGE - L.H. Ring-Go		2A		22034		262.90							
GAGE - L.H. Ring-NoGo		2A		22035		262.90							
GAGE - L.H. Ring-Go		3A		22036		262.90							
GAGE - L.H. Ring-NoGo		3A		22037		262.90							

#3-56 NF					<i>Recommended Hole Size Based on TRU-FLO at 65% Thread = .0911"</i>								
"TRU-FLO" FORM TAP	2	3B	0		19012	29.80	29.80	29.80	29.80	29.80	29.80	24.80	21.70
"TRU-FLO" FORM TAP	3	2B	0		19013	29.80	29.80	29.80	29.80	29.80	29.80	24.80	21.70
GAGE - Taperlock Style		2B		23033		99.70							
GAGE - Taperlock Style		3B		23034		99.70							
GAGE - Reversible Style		2B		24224		130.60							
GAGE - Reversible Style		3B		24225		130.60							
GAGE - Ring-Go		2A		23386		131.90							
GAGE - Ring-Go		3A		23387		131.90							
GAGE - Ring-NoGo		2A		23388		131.90							
GAGE - Ring-NoGo		3A		23389		131.90							
GAGE - STI Taperlock		2B		22038		108.90							
GAGE - STI Taperlock		3B		22039		108.90							
GAGE - L.H. Taperlock Style		2B		22040		198.00							
GAGE - L.H. Taperlock Style		3B		22041		198.00							
GAGE - L.H. Reversible Style		2B		22042		245.30							
GAGE - L.H. Reversible Style		3B		22043		245.30							
GAGE - L.H. Ring-Go		2A		22044		293.70							
GAGE - L.H. Ring-NoGo		2A		22045		293.70							

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BACK TO INDEX

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#3-56 NF					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - L.H. Ring-Go		3A		22046		293.70							
GAGE - L.H. Ring-NoGo		3A		22047		293.70							
#4-32 NS					<i>Recommended Hole Size based on 75% Thread = .0817"</i>								
HAND TAP	2	2B	3	15062	15063	54.60	53.00	51.70	35.80	28.40	21.20	16.80	15.20
#4-36 NS					<i>Recommended Hole Size based on 75% Thread = .0850"</i>								
HAND TAP	2	2B	3	17946	17947	54.70	53.80	52.50	42.90	37.30	30.40	27.30	22.30
#4-40 NC					<i>Recommended Hole Size based on 75% Thread = .0878" for STI = .1200" / TRU-FLO at 65% Thread = .1009"</i>								
FAST SPIRAL FLUTE	3		2	17672	17673	69.70	65.30	62.90	41.70	30.00	24.10	20.50	18.50
L.H. HAND TAP	2	2B	3	15074	15075	28.10	27.40	26.80	26.60	26.10	19.60	16.50	15.00
L.H. SPIRAL POINT	2	2B	2	15072		29.30	28.40	28.10	27.80	27.50	20.80	17.90	16.30
HAND TAP	3		3	15080	15081	54.80	54.10	47.20	29.30	26.10	16.70	12.70	11.60
SPIRAL POINT	3		2	15078		56.20	55.20	48.50	30.70	27.50	18.20	13.90	13.00
SPIRAL POINT	4		2	17910		56.20	55.20	48.50	30.70	27.50	18.20	13.90	13.00
SPIRAL POINT	5		2	17593		56.20	55.20	48.50	30.70	27.50	18.20	13.90	13.00
+.003 SPIRAL POINT	7		2	17670		58.00	57.00	55.30	38.60	27.50	20.80	17.90	16.30
+.005 SPIRAL POINT	11	PLATING	2	17557		58.00	57.00	55.30	38.60	27.50	20.80	17.90	16.30
"TRU-FLO" FORM TAP	3	3B	0	19014	19015	26.60	26.60	26.60	26.60	26.60	26.60	21.50	16.70
"TRU-FLO" FORM TAP	5	2B	0	19016	19017	26.60	26.60	26.60	26.60	26.60	26.60	21.50	16.70
SOLID CARBIDE / HAND	2	2B	2	41007	41008	80.10	73.20	69.20	67.40	67.00	59.20	57.20	55.00
SOLID CARBIDE / SP PT	2	2B	2	41009		82.60	75.70	71.70	69.90	69.50	61.70	59.70	57.50
"COST CUTTER" DRILL/TAP	2	2B	2	29000		14.20	14.20	14.20	14.20	14.20	14.20	14.20	14.20
TIN COAT/SP PT	4		2	50034		57.50	56.70	49.70	31.90	28.80	19.40	15.20	14.20
STI HAND TAP	1	3B	3	17794	17795	19.00	19.00	19.00	19.00	15.20	13.90	13.00	11.70
STI SPIRAL POINT	1	3B	2	17796		20.50	20.50	20.50	20.50	16.50	15.10	14.10	12.90
STI HAND TAP	2	2B	3	17798	17799	19.00	19.00	19.00	19.00	15.20	13.90	13.00	11.70
STI SPIRAL POINT	2	2B	2	17800		20.50	20.50	20.50	20.50	16.50	15.10	14.10	12.90
GAGE - Taperlock Style		2B		23038		99.70							
GAGE - Taperlock Style		3B		23039		99.70							
GAGE - Reversible Style		2B		24229		130.60							
GAGE - Reversible Style		3B		24230		130.60							
GAGE - Ring-Go		2A		23392		117.40							
GAGE - Ring-Go		3A		23393		117.40							
GAGE - Ring-NoGo		2A		23394		117.40							
GAGE - Ring-NoGo		3A		23395		117.40							
GAGE - STI Plug Taperlock		2B		24617		135.10							
GAGE - STI Plug Taperlock		3B		24618		135.10							
GAGE - L.H. Taperlock Style		2B		22048		198.00							
GAGE - L.H. Taperlock Style		3B		22049		198.00							
GAGE - L.H. Reversible Style		2B		22050		245.30							
GAGE - L.H. Reversible Style		3B		22051		245.30							
GAGE - L.H. Ring-Go		2A		22052		262.90							
GAGE - L.H. Ring-NoGo		2A		22053		262.90							
GAGE - L.H. Ring-Go		3A		22054		262.90							
GAGE - L.H. Ring-NoGo		3A		22055		262.90							
#4-48 NF					<i>Recommended Hole Size based on 75% Thread = .092" TRU-FLO at 65% Thread = .1028"</i>								
L.H. HAND TAP	2	2B	3	15086	15087	54.70	54.10	53.10	37.10	26.10	19.60	16.50	15.00
L.H. SPIRAL POINT	2	2B	2	15083		56.10	55.30	54.50	38.50	27.50	20.80	17.90	16.30

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
#4-48 NF					<i>See Previous Page for Recommended Hole Size</i>								
"TRU-FLO" FORM TAP	3	3B	0	19018	19019	26.60	26.60	26.60	26.60	26.60	26.60	21.50	16.70
"TRU-FLO" FORM TAP	5	2B	0	19020	19021	26.60	26.60	26.60	26.60	26.60	26.60	21.50	16.70
SOLID CARBIDE / HAND	2	2B	2	41017	41018	80.10	73.20	69.20	67.40	67.00	59.20	57.20	55.00
SOLID CARBIDE / SP PT	2	2B	2	41019		82.60	75.70	71.70	69.90	69.50	61.70	59.70	57.50
GAGE - Taperlock Style		2B		23043		99.70							
GAGE - Taperlock Style		3B		23044		99.70							
GAGE - Reversible Style		2B		24234		130.60							
GAGE - Reversible Style		3B		24235		130.60							
GAGE - Ring-Go		2A		23398		117.40							
GAGE - Ring-Go		3A		23399		117.40							
GAGE - Ring-NoGo		2A		23400		117.40							
GAGE - Ring-NoGo		3A		23401		117.40							
GAGE - STI Plug Taperlock		2B		24622		135.10							
GAGE - STI Plug Taperlock		3B		24623		135.10							
GAGE - L.H. Taperlock Style		2B		22056		198.00							
GAGE - L.H. Taperlock Style		3B		22057		198.00							
GAGE - L.H. Reversible Style		2B		22058		245.30							
GAGE - L.H. Reversible Style		3B		22059		245.30							
GAGE - L.H. Ring-Go		2A		22060		262.90							
GAGE - L.H. Ring-NoGo		2A		22061		262.90							
GAGE - L.H. Ring-Go		3A		22062		262.90							
GAGE - L.H. Ring-NoGo		3A		22063		262.90							

#5-40 NC					<i>Recommended Hole Size based on 75% Thread = .1008" TRU-FLO at 65% Thread = .1139"</i>								
L.H. HAND TAP	2	3B	3	15098	15099	54.70	54.10	53.10	37.10	26.10	19.60	16.50	15.00
L.H. SPIRAL POINT	2	3B	2	15096		56.10	55.30	54.50	38.50	27.50	20.80	17.90	16.30
SPIRAL POINT	5		2	17697		56.10	55.30	54.50	38.50	27.50	20.80	17.90	16.30
+.003 SPIRAL POINT	7		2	17954		60.60	60.60	60.60	40.70	27.50	22.20	18.70	18.20
+.005 SPIRAL POINT	11	PLATING	2	17675		56.10	55.30	54.50	38.50	27.50	20.80	17.90	16.30
"TRU-FLO" FORM TAP	3	3B	0	19022	19023	26.60	26.60	26.60	26.60	26.60	26.60	21.50	16.70
"TRU-FLO" FORM TAP	5	2B	0	19024	19025	26.60	26.60	26.60	26.60	26.60	26.60	21.50	16.70
SOLID CARBIDE / HAND	2	3B	3	41034	41035	80.10	73.20	69.20	67.40	67.00	59.20	57.20	55.00
SOLID CARBIDE / SP PT	2	3B	2	41032		82.30	75.40	71.40	69.60	69.20	60.70	58.70	56.50
TIN COAT/SP PT	5		2	50029		59.40	56.80	55.90	39.80	28.80	22.10	19.10	17.50
R.H. ROUND DIE 13/16"OD				13020		28.20	28.20	28.20	26.80	25.60	23.40	22.60	22.40
GAGE - Taperlock Style		2B		23048		90.90							
GAGE - Taperlock Style		3B		23049		90.90							
GAGE - Reversible Style		2B		24239		115.80							
GAGE - Reversible Style		3B		24240		115.80							
GAGE - Ring-Go		2A		23404		107.10							
GAGE - Ring-Go		3A		23405		107.10							
GAGE - Ring-NoGo		2A		23406		107.10							
GAGE - Ring-NoGo		3A		23407		107.10							
GAGE - STI Plug Taperlock		2B		24627		135.10							
GAGE - STI Plug Taperlock		3B		24628		135.10							
GAGE - L.H. Taperlock Style		2B		22064		168.30							
GAGE - L.H. Taperlock Style		3B		22065		168.30							
GAGE - L.H. Reversible Style		2B		22066		207.90							
GAGE - L.H. Reversible Style		3B		22067		207.90							
GAGE - L.H. Ring-Go		2A		22068		226.60							
GAGE - L.H. Ring-NoGo		2A		22069		226.60							
GAGE - L.H. Ring-Go		3A		22070		226.60							
GAGE - L.H. Ring-NoGo		3A		22071		226.60							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
#5-44 NF						<i>Recommended Hole Size Based on TRU-FLO at 65% Thread = .1150"</i>							
"TRU-FLO" FORM TAP	3	3B	0	19026	19027	26.60	26.60	26.60	26.60	26.60	26.60	21.50	16.70
"TRU-FLO" FORM TAP	5	2B	0	19028	19029	26.60	26.60	26.60	26.60	26.60	26.60	21.50	16.70
GAGE - Taperlock Style		2B		23053		90.90							
GAGE - Taperlock Style		3B		23054		90.90							
GAGE - Reversible Style		2B		24244		115.80							
GAGE - Reversible Style		3B		24245		115.80							
GAGE - Ring-Go		2A		23410		107.10							
GAGE - Ring-Go		3A		23411		107.10							
GAGE - Ring-NoGo		2A		23412		107.10							
GAGE - Ring-NoGo		3A		23413		107.10							
GAGE - L.H. Taperlock Style		2B		22072		182.60							
GAGE - L.H. Taperlock Style		3B		22073		182.60							
GAGE - L.H. Reversible Style		2B		22074		227.70							
GAGE - L.H. Reversible Style		3B		22075		227.70							
GAGE - L.H. Ring-Go		2A		22076		269.00							
GAGE - L.H. Ring-NoGo		2A		22077		269.00							
GAGE - L.H. Ring-Go		3A		22078		269.00							
GAGE - L.H. Ring-NoGo		3A		22079		269.00							
#6-32 NC						<i>Recommended Hole Size based on 75% Thread = .1077" for STI = .1495" / TRU-FLO at 65% Thread = .1242"</i>							
L.H. HAND TAP	3	2B	3	15110	15111	7.90	7.90	7.90	7.90	7.90	7.90	7.90	7.90
L.H. SPIRAL POINT	3	2B	2	15108		15.70	15.70	15.70	15.70	15.70	15.70	13.10	12.90
HAND TAP	5		3	15122	15123	44.90	43.50	42.80	26.30	18.50	14.70	12.20	11.10
SPIRAL POINT	5		2	15120		46.00	44.70	44.00	27.50	19.60	15.70	13.10	12.30
+ .003 HAND TAP	7		3	15128	15129	9.20	9.20	9.20	9.20	9.20	8.30	8.30	8.30
+ .003 SPIRAL POINT	7		2	15126		10.30	10.30	10.30	10.30	10.30	9.50	9.50	9.50
+ .005 HAND TAP	11	PLATING	3	15134	15135	8.30	8.30	8.30	8.30	7.50	6.20	5.80	5.80
+ .005 SPIRAL POINT	11	PLATING	2	15132		9.10	9.10	9.10	9.10	8.30	6.90	6.90	6.90
4" EXT SPIRAL POINT	3	2B	2	17605		27.70	27.70	27.70	27.70	27.70	27.70	27.70	24.00
6" EXTENSION HAND TAP	3	2B	3	15140	15141	25.50	25.50	25.50	25.50	25.50	25.50	25.50	22.80
6" EXT SPIRAL POINT	3	2B	2	15138		26.60	26.60	26.60	26.60	26.60	26.60	26.60	24.00
"TRU-FLO" FORM TAP	3	3B	0	19030	19031	24.40	24.40	24.40	24.40	24.40	24.40	19.30	14.70
"TRU-FLO" FORM TAP	5	2B	0	19032	19033	24.40	24.40	24.40	24.40	24.40	24.40	19.30	14.70
"TRU-FLO" FORM TAP	10	PLATING	0	19034	19035	106.20	100.80	68.10	43.00	31.70	24.40	19.30	14.70
SOLID CARBIDE / HAND	3	2B	3	41074	41075	61.30	61.30	61.30	61.30	61.30	53.50	52.20	51.00
SOLID CARBIDE / SP PT	3	2B	2	41072		63.50	63.50	63.50	63.50	63.50	55.00	53.70	52.50
"COST CUTTER" DRILL/TAP	3	2B	2	29004		14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
STI HAND TAP	2	3B	3	17802	17803	19.00	19.00	19.00	19.00	15.20	13.90	13.00	11.70
STI SPIRAL POINT	2	3B	2	17804		20.50	20.50	20.50	20.50	16.50	15.10	14.10	12.90
STI HAND TAP	3	2B	3	17806	17807	19.00	19.00	19.00	19.00	15.20	13.90	13.00	11.70
STI SPIRAL POINT	3	2B	2	17808		20.50	20.50	20.50	20.50	16.50	15.10	14.10	12.90
R.H. ROUND DIE 1"OD				13022		34.90	34.90	34.90	29.70	28.30	25.90	25.00	24.80
L.H. ROUND DIE 1"OD				13023		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
GAGE - Taperlock Style		2B		23058		90.90							
GAGE - Taperlock Style		3B		23059		90.90							
GAGE - Reversible Style		2B		24249		115.80							
GAGE - Reversible Style		3B		24250		115.80							
GAGE - Ring-Go		2A		23416		107.10							
GAGE - Ring-Go		3A		23417		107.10							
GAGE - Ring-NoGo		2A		23418		107.10							
GAGE - Ring-NoGo		3A		23419		107.10							
GAGE - STI Plug Taperlock		2B		24637		135.10							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
#6-32 NC					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - STI Plug Taperlock		3B		24638		135.10							
GAGE - L.H. Taperlock Style		2B		22080		158.40							
GAGE - L.H. Taperlock Style		3B		22081		158.40							
GAGE - L.H. Reversible Style		2B		22082		195.80							
GAGE - L.H. Reversible Style		3B		22083		195.80							
GAGE - L.H. Ring-Go		2A		22084		226.60							
GAGE - L.H. Ring-NoGo		2A		22085		226.60							
GAGE - L.H. Ring-Go		3A		22086		226.60							
GAGE - L.H. Ring-NoGo		3A		22087		226.60							
#6-40 NF					<i>Recommended Hole Size based on 75% Thread = .1138" TRU-FLO at 65% Thread = .1269"</i>								
L.H. HAND TAP	2	3B	3	15146	15147	33.70	32.80	32.00	24.20	18.50	14.20	12.20	11.10
SPIRAL POINT	3		2	15150		44.40	43.00	42.40	27.50	19.60	15.50	13.10	12.30
"TRU-FLO" FORM TAP	3	3B	0	19036	19037	24.40	24.40	24.40	24.40	24.40	24.40	19.30	14.70
"TRU-FLO" FORM TAP	5	2B	0	19038	19039	24.40	24.40	24.40	24.40	24.40	24.40	19.30	14.70
SOLID CARBIDE / HAND	2	3B	3	41092	41093	61.30	61.30	61.30	61.30	61.30	53.50	52.20	51.00
R.H. ROUND DIE 1"OD				13024		34.90	34.90	34.90	29.70	28.30	25.90	25.00	24.80
L.H. ROUND DIE 1"OD				13025		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
GAGE - Taperlock Style		2B		23063		90.90							
GAGE - Taperlock Style		3B		23064		90.90							
GAGE - Reversible Style		2B		24254		115.80							
GAGE - Reversible Style		3B		24255		115.80							
GAGE - Ring-Go		2A		23422		107.10							
GAGE - Ring-Go		3A		23423		107.10							
GAGE - Ring-NoGo		2A		23424		107.10							
GAGE - Ring-NoGo		3A		23425		107.10							
GAGE - STI Plug Taperlock		2B		24642		135.10							
GAGE - STI Plug Taperlock		3B		24643		135.10							
GAGE - L.H. Taperlock Style		2B		22088		168.30							
GAGE - L.H. Taperlock Style		3B		22089		168.30							
GAGE - L.H. Reversible Style		2B		22090		207.90							
GAGE - L.H. Reversible Style		3B		22091		207.90							
GAGE - L.H. Ring-Go		2A		22092		232.70							
GAGE - L.H. Ring-NoGo		2A		22093		232.70							
GAGE - L.H. Ring-Go		3A		22094		232.70							
GAGE - L.H. Ring-NoGo		3A		22095		232.70							
#6-48 NS					<i>Recommended Hole Size based on 75% Thread = .118"</i>								
HAND TAP	2	3B	3	15158	15159	44.90	43.50	42.80	26.30	18.50	14.70	12.20	11.10
SPIRAL POINT	2	3B	2	15156		46.00	44.70	44.00	27.50	19.60	15.70	13.10	12.30
R.H. ROUND DIE 1"OD				13026		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
#8-24 NS					<i>Recommended Hole Size based on 75% Thread = .123"</i>								
HAND TAP	3	3B	4	15164	15165	44.90	43.50	42.80	26.30	18.50	14.70	12.20	11.10
#8-32 NC					<i>Recommended Hole Size based on 75% Thread = .1337" for STI = .1770" / TRU-FLO at 65% Thread = .1502"</i>								
L.H. HAND TAP	3	2B	4	15170	15171	7.90	7.90	7.90	7.90	7.90	7.20	7.20	7.20
L.H. SPIRAL POINT	3	2B	2	15168		46.00	44.70	44.00	27.50	19.60	15.70	13.10	12.30
HAND TAP	5		4	15182	15183	44.90	43.50	42.80	26.30	18.50	14.70	12.20	11.10
SPIRAL POINT	5		2	15180		46.00	44.70	44.00	27.50	19.60	15.70	13.10	12.30
+ .003 HAND TAP	7		4	15188	15189	9.20	9.20	9.20	9.20	9.20	8.30	8.30	8.30

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
#8-32 NC					<i>See Previous Page for Recommended Hole Size</i>								
+ .003 SPIRAL POINT	7		2	15186		11.20	11.20	11.20	11.20	11.20	10.10	10.10	10.10
+ .005 HAND TAP	11	PLATING	4	15194	15195	8.60	8.60	8.60	8.60	8.00	6.50	6.50	6.50
+ .005 SPIRAL POINT	11	PLATING	2	15192		9.70	9.70	9.70	9.70	8.80	7.30	7.30	7.30
4" EXT SPIRAL POINT	3	2B	2	17582		27.70	27.70	27.70	27.70	27.70	27.70	27.70	24.00
6" EXTENSION HAND TAP	3	2B	4	15200	15201	25.50	25.50	25.50	25.50	25.50	25.50	25.50	22.80
6" EXT SPIRAL POINT	3	2B	2	15198		26.60	26.60	26.60	26.60	26.60	26.60	26.60	24.00
"TRU-FLO" FORM TAP	3	3B	0	19040	19041	24.40	24.40	24.40	24.40	24.40	24.40	19.30	14.70
"TRU-FLO" FORM TAP	5	2B	0	19042	19043	24.40	24.40	24.40	24.40	24.40	24.40	19.30	14.70
"TRU-FLO" FORM TAP	10	PLATING	0	19044	19045	106.20	100.80	68.10	43.00	31.70	24.40	19.30	14.70
SOLID CARBIDE / HAND	3	2B	4	41125	41126	62.50	62.50	62.50	62.50	62.50	54.70	53.40	52.20
SOLID CARBIDE / SP PT	3	2B	2	41120		64.70	64.70	64.70	64.70	64.70	56.20	54.90	53.70
"COST CUTTER" DRILL/TAP	3	2B	2	29006		14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
TiN COAT/SP PT	5		2	50000		48.10	46.80	46.10	29.50	21.80	18.00	15.20	14.20
STI HAND TAP	2	3B	3	17810	17811	19.80	19.80	19.80	19.80	15.60	14.20	13.60	12.40
STI SPIRAL POINT	2	3B	2	17812		21.20	21.20	21.20	21.20	16.70	15.50	14.70	13.60
STI HAND TAP	3	2B	3	17814	17815	19.80	19.80	19.80	19.80	15.60	14.20	13.60	12.40
STI SPIRAL POINT	3	2B	2	17816		21.20	21.20	21.20	21.20	16.70	15.50	14.70	13.60
R.H. ROUND DIE 1"OD				13028		34.90	34.90	34.90	29.70	28.30	25.90	25.00	24.80
L.H. ROUND DIE 1"OD				13029		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
GAGE - Taperlock Style		2B		23068		90.90							
GAGE - Taperlock Style		3B		23069		90.90							
GAGE - Reversible Style		2B		24259		115.80							
GAGE - Reversible Style		3B		24260		115.80							
GAGE - Ring-Go		2A		23428		105.60							
GAGE - Ring-Go		3A		23429		105.60							
GAGE - Ring-NoGo		2A		23430		105.60							
GAGE - Ring-NoGo		3A		23431		105.60							
GAGE - STI Plug Taperlock		2B		24647		126.10							
GAGE - STI Plug Taperlock		3B		24648		126.10							
GAGE - L.H. Taperlock Style		2B		22096		158.40							
GAGE - L.H. Taperlock Style		3B		22097		158.40							
GAGE - L.H. Reversible Style		2B		22098		195.80							
GAGE - L.H. Reversible Style		3B		22099		195.80							
GAGE - L.H. Ring-Go		2A		22100		207.90							
GAGE - L.H. Ring-NoGo		2A		22101		207.90							
GAGE - L.H. Ring-Go		3A		22102		207.90							
GAGE - L.H. Ring-NoGo		3A		22103		207.90							

#8-36 NF					<i>Recommended Hole Size based on 75% Thread = .137" TRU-FLO at 65% Thread = .1517"</i>								
L.H. HAND TAP	2	3B	4	15206	15207	44.90	43.50	42.80	26.30	18.50	14.70	12.20	11.10
L.H. SPIRAL POINT	2	3B	2	15204		46.00	44.70	44.00	27.50	19.60	15.70	13.10	12.30
"TRU-FLO" FORM TAP	3	3B	0	19046	19047	24.40	24.40	24.40	24.40	24.40	24.40	19.30	14.70
"TRU-FLO" FORM TAP	5	2B	0	19048	19049	24.40	24.40	24.40	24.40	24.40	24.40	19.30	14.70
SOLID CARBIDE / HAND	2	3B	4	41147	41148	62.50	62.50	62.50	62.50	62.50	54.70	53.40	52.20
GAGE - Taperlock Style		2B		23073		90.90							
GAGE - Taperlock Style		3B		23074		90.90							
GAGE - Reversible Style		2B		24264		115.80							
GAGE - Reversible Style		3B		24265		115.80							
GAGE - Ring-Go		2A		23434		105.60							
GAGE - Ring-Go		3A		23435		105.60							
GAGE - Ring-NoGo		2A		23436		105.60							
GAGE - Ring-NoGo		3A		23437		105.60							
GAGE - STI Plug Taperlock		2B		24652		126.10							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
#8-36 NF					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - STI Plug Taperlock		3B		24653		126.10							
GAGE - L.H. Taperlock Style		2B		22104		234.30							
GAGE - L.H. Taperlock Style		3B		22105		234.30							
GAGE - L.H. Reversible Style		2B		22106		227.70							
GAGE - L.H. Reversible Style		3B		22107		227.70							
GAGE - L.H. Ring-Go		2A		22108		226.60							
GAGE - L.H. Ring-NoGo		2A		22109		226.60							
GAGE - L.H. Ring-Go		3A		22110		226.60							
GAGE - L.H. Ring-NoGo		3A		22111		226.60							
#8-40 NS					<i>Recommended Hole Size based on 75% Thread = .1398"</i>								
HAND TAP	2	3B	4	15218	15219	44.90	43.50	42.80	26.30	18.50	14.70	12.20	11.10
SPIRAL POINT	2	3B	2	15216		46.00	44.70	44.00	27.50	19.60	15.70	13.10	12.30
R.H. ROUND DIE 1"OD				13032		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
#10-24 NC					<i>Recommended Hole Size based on 75% Thread = .149" for STI = .2055" / TRUFLO at 65% Thread = .1716"</i>								
L.H. HAND TAP	3	3B	4	15230	15231	7.90	7.90	7.90	7.90	7.90	7.20	7.20	7.20
L.H. SPIRAL POINT	3	3B	2	15228		46.00	44.70	44.00	27.50	19.60	15.70	13.10	12.30
HAND TAP	5		4	15236	15237	44.90	43.50	42.80	26.30	18.50	14.70	12.20	11.10
SPIRAL POINT	5		2	15234		46.00	44.70	44.00	27.50	19.60	15.70	13.10	12.30
+ .003 HAND TAP	7		4	15242	15243	10.00	10.00	10.00	10.00	10.00	9.20	9.20	9.20
+ .003 SPIRAL POINT	7		2	15240		11.30	11.30	11.30	11.30	11.30	10.70	10.70	10.70
+ .005 HAND TAP	11	PLATING	4	15248	15249	8.60	8.60	8.60	8.60	8.00	6.50	6.50	6.50
+ .005 SPIRAL POINT	11	PLATING	2	15246		9.70	9.70	9.70	9.70	8.70	7.30	7.30	7.30
DOUBLE LEAD	3	3B	4	15254	15255	118.60	92.40	62.70	38.90	27.80	22.30	18.00	16.20
4" EXT SPIRAL POINT	3	3B	2	17606		27.70	27.70	27.70	27.70	27.70	27.70	27.70	24.00
6" EXTENSION HAND TAP	3	3B	4	15260	15261	25.50	25.50	25.50	25.50	25.50	25.50	25.50	22.80
6" EXT SPIRAL POINT	3	3B	2	15258		26.60	26.60	26.60	26.60	26.60	26.60	26.60	24.00
"TRU-FLO" FORM TAP	4	3B	0	19050	19051	24.40	24.40	24.40	24.40	24.40	24.40	19.30	14.70
"TRU-FLO" FORM TAP	6	2B	0	19052	19053	24.40	24.40	24.40	24.40	24.40	24.40	19.30	14.70
"TRU-FLO" FORM TAP	10	PLATING	0	19054	19055	106.20	100.80	68.10	43.00	31.70	24.40	19.30	14.70
SOLID CARBIDE / HAND	3	3B	4	41180	41181	63.70	63.70	63.70	63.70	63.70	55.90	54.60	53.40
SOLID CARBIDE / SP PT	3	3B	2	41175		65.90	65.90	65.90	65.90	65.90	57.40	56.10	54.90
"COST CUTTER" DRILL/TAP	3	3B	2	29008		14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
STI HAND TAP	2	3B	3	17818	17819	20.50	20.50	20.50	20.50	15.80	14.30	14.20	13.80
STI SPIRAL POINT	2	3B	2	17820		21.80	21.80	21.80	21.80	17.10	15.70	15.60	15.00
STI HAND TAP	3	2B	3	17822	17823	20.50	20.50	20.50	20.50	15.80	14.30	14.20	13.80
STI SPIRAL POINT	3	2B	2	17824		21.80	21.80	21.80	21.80	17.10	15.70	15.60	15.00
R.H. ROUND DIE 1"OD				13036		34.90	34.90	34.90	29.70	28.30	25.90	25.00	24.80
L.H. ROUND DIE 1"OD				13037		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
GAGE - Taperlock Style		2B		23078		90.90							
GAGE - Taperlock Style		3B		23079		90.90							
GAGE - Reversible Style		2B		24269		117.40							
GAGE - Reversible Style		3B		24270		117.40							
GAGE - Ring-Go		2A		23440		105.60							
GAGE - Ring-Go		3A		23441		105.60							
GAGE - Ring-NoGo		2A		23442		105.60							
GAGE - Ring-NoGo		3A		23443		105.60							
GAGE - STI Plug Taperlock		2B		24657		126.10							
GAGE - STI Plug Taperlock		3B		24658		126.10							
GAGE - L.H. Taperlock Style		2B		22112		158.40							
GAGE - L.H. Taperlock Style		3B		22113		158.40							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
#10-24 NC					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - L.H. Reversible Style		2B		22114		195.80							
GAGE - L.H. Reversible Style		3B		22115		195.80							
GAGE - L.H. Ring-Go		2A		22116		207.90							
GAGE - L.H. Ring-NoGo		2A		22117		207.90							
GAGE - L.H. Ring-Go		3A		22118		207.90							
GAGE - L.H. Ring-NoGo		3A		22119		207.90							
#10-28 NS					<i>Recommended Hole Size based on 75% Thread = .1553"</i>								
HAND TAP	3	3B	4	15266	15267	44.90	43.50	42.80	26.30	18.50	14.70	12.20	11.10
#10-30 NS					<i>Recommended Hole Size based on 75% Thread = .1574"</i>								
HAND TAP	3	3B	4	15272	15273	44.90	43.50	42.80	26.30	18.50	14.70	12.20	11.10
#10-32 NF					<i>Recommended Hole Size based on 75% Thread = .1597" for STI = .2031" / TRU-FLO at 65% Thread = .1762"</i>								
L.H. HAND TAP	3	2B	4	15278	15279	7.90	7.90	7.90	7.90	7.90	7.20	7.20	7.20
L.H. SPIRAL POINT	3	2B	2	15276		46.00	44.70	44.00	27.50	19.60	15.70	13.10	12.30
HAND TAP	4		4	17898	17899	44.90	43.50	42.80	26.30	18.50	14.70	12.20	11.10
SPIRAL POINT	4		2	15282		46.00	44.70	44.00	27.50	19.60	15.70	13.10	12.30
HAND TAP	5		4	15290	15291	44.90	43.50	42.80	26.30	18.50	14.70	12.20	11.10
SPIRAL POINT	5		2	15288		46.00	44.70	44.00	27.50	19.60	15.70	13.10	12.30
+ .003 HAND TAP	7		4	15296	15297	10.00	10.00	10.00	10.00	10.00	9.20	9.20	9.20
+ .003 SPIRAL POINT	7		2	15294		11.30	11.30	11.30	11.30	11.30	10.70	10.70	10.70
+ .005 HAND TAP	11	PLATING	4	15302	15303	7.30	7.30	7.30	7.30	7.30	6.70	6.70	6.70
+ .005 SPIRAL POINT	11	PLATING	2	15300		8.40	8.40	8.40	8.10	8.10	7.20	7.20	7.20
4" EXT SPIRAL POINT	3	2B	2	17583		27.70	27.70	27.70	27.70	27.70	27.70	27.70	24.00
6" EXTENSION HAND TAP	3	2B	4	15314	15315	25.50	25.50	25.50	25.50	25.50	25.50	25.50	22.80
6" EXT SPIRAL POINT	3	2B	2	15312		26.60	26.60	26.60	26.60	26.60	26.60	26.60	24.00
"TRU-FLO" FORM TAP	4	3B	0	19056	19057	24.40	24.40	24.40	24.40	24.40	24.40	19.30	14.70
"TRU-FLO" FORM TAP	6	2B	0	19058	19059	24.40	24.40	24.40	24.40	24.40	24.40	19.30	14.70
"TRU-FLO" FORM TAP	10	PLATING	0	19060	19061	106.20	100.80	68.10	43.00	31.70	24.40	19.30	14.70
SOLID CARBIDE / HAND	3	2B	4	41213	41214	63.70	63.70	63.70	63.70	63.70	55.90	54.60	53.40
SOLID CARBIDE / SP PT	3	2B	2	41208		65.90	65.90	65.90	65.90	65.90	57.40	56.10	54.90
"COST CUTTER" DRILL/TAP	3	2B	2	29009		14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
TiN COAT/SP PT x 4"	3	2B	2	50025		31.10	31.10	31.10	31.10	31.10	31.10	31.10	27.60
TiN COAT/SP PT	4		2	50001		48.10	46.80	46.10	29.50	21.80	18.00	15.20	14.20
TiN COAT/SP PT	5		2	50002		48.10	46.80	46.10	29.50	21.80	18.00	15.20	14.20
TiN COAT/SP PT+.005	11	PLATING	2	50003		10.60	10.60	10.60	10.10	10.10	9.20	9.20	9.20
STI HAND TAP	2	3B	3	17826	17827	20.50	20.50	20.50	20.50	15.80	14.30	14.20	13.80
STI SPIRAL POINT	2	3B	2	17828		21.80	21.80	21.80	21.80	17.10	15.70	15.60	15.00
STI HAND TAP	3	2B	3	17830	17831	20.50	20.50	20.50	20.50	15.80	14.30	14.20	13.80
STI SPIRAL POINT	3	2B	2	17832		21.80	21.80	21.80	21.80	17.10	15.70	15.60	15.00
R.H. ROUND DIE 1"OD				13038		34.90	34.90	34.90	29.70	28.30	25.90	25.00	24.80
L.H. ROUND DIE 1"OD				13039		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
GAGE - Taperlock Style		2B		23083		90.90							
GAGE - Taperlock Style		3B		23084		90.90							
GAGE - Reversible Style		2B		24274		117.40							
GAGE - Reversible Style		3B		24275		117.40							
GAGE - Ring-Go		2A		23446		105.60							
GAGE - Ring-Go		3A		23447		105.60							
GAGE - Ring-NoGo		2A		23448		105.60							
GAGE - Ring-NoGo		3A		23449		105.60							
GAGE - STI Plug Taperlock		2B		24662		126.10							

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BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
#10-32 NF					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - STI Plug Taperlock		3B		24663		126.10							
GAGE - L.H. Taperlock Style		2B		22120		158.40							
GAGE - L.H. Taperlock Style		3B		22121		158.40							
GAGE - L.H. Reversible Style		2B		22122		195.80							
GAGE - L.H. Reversible Style		3B		22123		195.80							
GAGE - L.H. Ring-Go		2A		22124		214.00							
GAGE - L.H. Ring-NoGo		2A		22125		214.00							
GAGE - L.H. Ring-Go		3A		22126		214.00							
GAGE - L.H. Ring-NoGo		3A		22127		214.00							
#10-36 NS					<i>Recommended Hole Size based on 75% Thread = .163"</i>								
HAND TAP	2	3B	4	15320	15321	44.90	43.50	42.80	26.30	18.50	14.70	12.20	10.80
R.H. ROUND DIE 1"OD				13040		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
#10-40 NS					<i>Recommended Hole Size based on 75% Thread = .1658"</i>								
HAND TAP	2	3B	4	15326	15327	44.90	43.50	42.80	26.30	18.50	14.70	12.20	11.10
SPIRAL POINT	2	3B	2	15324		46.00	44.70	44.00	27.50	19.60	15.70	13.10	12.30
R.H. ROUND DIE 1"OD				13042		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
#10-48 NS					<i>Recommended Hole Size based on 75% Thread = .1700"</i>								
HAND TAP	2	3B	4	15332	15333	44.90	43.50	42.80	26.30	18.50	14.70	12.20	11.10
#10-56 NS					<i>Recommended Hole Size based on 75% Thread = .1729"</i>								
HAND TAP	2	3B	4	15338	15339	44.90	43.50	42.80	26.30	18.50	14.70	12.20	11.10
R.H. ROUND DIE 1"OD				13046		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
#10-64 NS					<i>Recommended Hole Size based on 75% Thread = .1749"</i>								
HAND TAP	2	3B	4	15344	15345	44.90	43.50	42.80	26.30	18.50	14.70	12.20	11.10
.210-36 NS					<i>Recommended Hole Size based on 75% Thread = .183"</i>								
HAND TAP	3	3B	4	17646	17647	103.30	68.00	47.20	30.10	21.00	16.50	13.00	12.20
HAND TAP	4	2B	4	17901	17902	103.30	68.00	47.20	30.10	21.00	16.50	13.00	12.20
#12-24 NC					<i>Recommended Hole Size based on 75% Thread = .175" TRU-FLO at 65% Thread = .1976"</i>								
L.H. HAND TAP	3	3B	4	15374	15375	46.30	46.10	45.40	30.10	21.00	16.50	13.00	12.20
"TRU-FLO" FORM TAP	4	3B	0	19062	19063	25.60	25.60	25.60	25.60	25.60	25.60	21.50	16.70
"TRU-FLO" FORM TAP	6	2B	0	19064	19065	25.60	25.60	25.60	25.60	25.60	25.60	21.50	16.70
SOLID CARBIDE / HAND	3	3B	4	41246	41247	64.80	64.80	64.80	64.80	64.80	57.00	55.70	54.50
SOLID CARBIDE SP PT	3		2	41241		67.00	67.00	67.00	67.00	67.00	58.50	57.20	56.00
"COST CUTTER" DRILL/TAP	3	3B	2	29010		14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
L.H. ROUND DIE 1"OD				13049		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
GAGE - Taperlock Style		2B		23088		90.90							
GAGE - Taperlock Style		3B		23089		90.90							
GAGE - Reversible Style		2B		24279		117.40							
GAGE - Reversible Style		3B		24280		117.40							
GAGE - Ring-Go		2A		23452		105.60							
GAGE - Ring-Go		3A		23453		105.60							
GAGE - Ring-NoGo		2A		23454		105.60							
GAGE - Ring-NoGo		3A		23455		105.60							
GAGE - STI Plug Taperlock		2B		24667		126.10							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
#12-24 NC					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - STI Plug Taperlock		3B		24668		126.10							
GAGE - L.H. Taperlock Style		2B		22128		158.40							
GAGE - L.H. Taperlock Style		3B		22129		158.40							
GAGE - L.H. Reversible Style		2B		22130		195.80							
GAGE - L.H. Reversible Style		3B		22131		195.80							
GAGE - L.H. Ring-Go		2A		22132		207.90							
GAGE - L.H. Ring-NoGo		2A		22133		207.90							
GAGE - L.H. Ring-Go		3A		22134		207.90							
GAGE - L.H. Ring-NoGo		3A		22135		207.90							
#12-28 NF					<i>Recommended Hole Size based on 75% Thread = .1813" TRU-FLO at 65% Thread = .2002"</i>								
L.H. HAND TAP	3	3B	4	15380	15381	46.30	46.10	45.40	30.10	21.00	16.50	13.00	12.20
"TRU-FLO" FORM TAP	4	3B	0	19066	19067	25.60	25.60	25.60	25.60	25.60	25.60	21.50	16.70
"TRU-FLO" FORM TAP	6	2B	0	19068	19069	25.60	25.60	25.60	25.60	25.60	25.60	21.50	16.70
SOLID CARBIDE / HAND	3	3B	4	41279	41280	64.80	64.80	64.80	64.80	64.80	57.00	55.70	54.50
SOLID CARBIDE SP PT	3		2	41274		67.00	67.00	67.00	67.00	67.00	58.50	57.20	56.00
L.H. ROUND DIE 1"OD				13051		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
GAGE - Taperlock Style		2B		23093		90.90							
GAGE - Taperlock Style		3B		23094		90.90							
GAGE - Reversible Style		2B		24284		117.40							
GAGE - Reversible Style		3B		24285		117.40							
GAGE - Ring-Go		2A		23458		105.60							
GAGE - Ring-Go		3A		23459		105.60							
GAGE - Ring-NoGo		2A		23460		105.60							
GAGE - Ring-NoGo		3A		23461		105.60							
GAGE - L.H. Taperlock Style		2B		22136		158.40							
GAGE - L.H. Taperlock Style		3B		22137		158.40							
GAGE - L.H. Reversible Style		2B		22138		195.80							
GAGE - L.H. Reversible Style		3B		22139		195.80							
GAGE - L.H. Ring-Go		2A		22140		214.00							
GAGE - L.H. Ring-NoGo		2A		22141		214.00							
GAGE - L.H. Ring-Go		3A		22142		214.00							
GAGE - L.H. Ring-NoGo		3A		22143		214.00							
#12-32 NEF					<i>Recommended Hole Size based on 75% Thread = .1857"</i>								
HAND TAP	3	3B	4	15386	15387	20.50	18.50	14.50	8.80	7.40	6.90	6.40	6.40
SPIRAL POINT	3	3B	2	15384		47.70	47.10	46.10	30.80	22.60	17.30	13.80	12.30
R.H. ROUND DIE 1"OD				13052		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
GAGE - Taperlock Style		2B		23098		137.80							
GAGE - Taperlock Style		3B		23099		137.80							
GAGE - Reversible Style		2B		22144		129.80							
GAGE - Reversible Style		3B		22145		158.40							
GAGE - Ring-Go		2A		23464		146.50							
GAGE - Ring-Go		3A		23465		146.50							
GAGE - Ring-NoGo		2A		23466		146.50							
GAGE - Ring-NoGo		3A		23467		146.50							
#12-36 NS					<i>Recommended Hole Size based on 75% Thread = .189"</i>								
HAND TAP	2	3B	4	15392	15393	46.30	46.10	45.40	30.10	21.00	16.50	13.00	12.20
R.H. ROUND DIE 1"OD				13054		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
#14-20 NS				<i>Recommended Hole Size based on 75% Thread = .1935"</i>									
HAND TAP	3	3B	4	15398	15399	48.40	47.90	47.40	31.90	22.80	18.40	14.30	13.00
#14-24 NS				<i>Recommended Hole Size based on 75% Thread = .201"</i>									
HAND TAP	3	3B	4	15404	15405	48.40	47.90	47.40	31.90	22.80	18.40	14.30	13.00
R.H. ROUND DIE 1"OD				13060		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
1/16"-27 PIPE TAP NPSI NPSF NPT/F NPS				<i>Recommended Hole Size: NPT/NPTF = .246"</i>									
NPT/F LEFT HAND TAPER			4	15407		88.90	63.80	44.20	30.30	23.30	19.30	18.50	16.70
NPT/F INT. THD			5	17677		106.20	74.10	51.70	35.00	28.20	24.60	23.90	21.20
NPT/F 4" EXT TAPER			4	17665		109.60	89.10	76.30	53.50	43.50	34.50	30.40	28.20
NPT/F 6" EXT TAPER			4	15410		131.90	103.40	90.90	65.80	53.40	45.40	40.50	35.90
SOLID CARBIDE - NPT/F			4	41800		138.20	138.20	138.20	125.80	118.40	114.10	108.50	105.80
NPT/F "COST CUTTER" DRILL/TAP			4	29040		61.40	58.70	57.50	56.00	44.90	37.00	32.60	29.00
NPS R.H. ROUND DIE 1" OD				13064		97.50	79.00	57.20	42.10				
GAGE L1 NPT PLG w/hdle				24368		86.80							
GAGE L1 NPT RING				24366		164.50							
GAGE L1 NPTF PLG w/hdle				24418		121.20							
GAGE L3 NPTF PLG w/hdle				24420		121.20							
GAGE NPTF 6 step Plain Plug w/handle				24524		170.50							
GAGE L1 NPTF RING				24486		170.50							
GAGE L2 NPTF RING				24488		239.40							
GAGE NPTF 6 step Plain Ring				24558		276.70							
1/8"-27 PIPE TAP NPSI NPSF NPT/F NPS				<i>Recommended Hole Size: NPT/NPTF = .332" NPSF/NPSI = .3438"</i>									
NPT/F REG SPR FLT TAPER			4	17554		42.70	42.70	42.70	42.70	42.70	42.70	42.70	38.40
NPT/F LEFT HAND TAPER			4	15413		94.60	68.60	47.20	34.00	29.20	26.40	24.80	22.60
NPT/F 4" EXT TAPER			4	15416		86.80	80.40	75.40	61.10	47.60	40.80	36.10	32.00
NPT/F 6" EXT TAPER			4	15419		41.30	39.40	39.40	39.20	30.80	26.40	22.60	22.40
NPT/F 6" EXT INT TAPER			5	15422		47.70	46.10	46.00	45.50	39.10	34.20	30.40	26.80
NPSF EXT x 6"			4	17710		58.00	54.50	51.00	48.50	46.00	44.70	42.90	39.30
NPT/F 8" EXT TAPER			4	17956		37.70	37.70	37.70	37.70	37.70	37.70	37.70	37.70
NPT/F 10" EXT TAPER			4	17959		45.50	45.50	45.50	45.50	45.50	45.50	45.50	45.50
NPT/F 12" EXT TAPER			4	17962		56.90	56.90	56.90	56.90	56.90	56.90	56.90	56.90
NPSI STRAIGHT			4	15431		100.20	72.30	51.80	34.20	29.70	21.90	18.30	16.40
SOLID CARBIDE - NPT/F			4	41801		176.00	176.00	176.00	176.00	170.30	166.40	160.60	157.80
SOLID CARBIDE - NPSF			4	41807		148.10	148.10	148.10	148.10	143.10	139.20	133.40	130.60
TIN COAT / INT. x 6" NPT/F			5	50004		58.40	56.90	56.90	56.70	49.70	45.00	41.30	37.50
NPT/F "COST CUTTER" DRILL/TAP			4	29041		72.40	69.10	67.90	65.80	55.40	46.90	42.70	39.10
NPT R.H. ROUND DIE 1"OD				13070		78.40	58.90	52.00	40.80	39.10	35.90	30.30	30.00
NPS R.H. ROUND DIE 1" OD				13072		97.50	79.00	57.20	42.10				
GAGE L1 NPT PLG w/hdle				24371		61.50							
GAGE L1 NPT RING				24369		112.20							
GAGE L1 NPTF PLG w/hdle				24426		86.80							
GAGE L3 NPTF PLG w/hdle				24428		86.80							
GAGE NPTF 6 step Plain Plug w/handle				24528		170.60							
GAGE L1 NPTF RING				24490		119.80							
GAGE L2 NPTF RING				24492		230.30							
GAGE NPTF 6 step Plain Ring				24562		276.70							

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BACK TO INDEX

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1/8"-28 55° WHITWORTH PIPE					<i>Recommended Hole Size BSPT = .3281" / BSPP = .3438"</i>								
BSPT TAPER - MODIFIED			4	15434	15435	40.00	30.40	27.40	25.00	23.90	21.50	21.30	20.90
BSPP PARALLEL - MODIFIED			4	15437	15438	40.00	30.40	27.40	25.00	23.90	21.50	21.30	20.90
BSPT TAPER - FULL FORM			4	17932		55.10	55.10	55.10	55.10	53.10	50.30	50.10	49.30
BSPP PARALLEL - FULL FORM			4	17923		55.10	55.10	55.10	55.10	53.10	50.30	50.10	49.30
BSPT R.H. ROUND DIE 1" OD				13692		189.20							
BSPP R.H. ROUND DIE 1" OD				13693		62.20							
GAGE BSPP-Mod. DBL END w/handle				27041		263.30							
GAGE BSPT-Mod. w/handle				27002		214.50							
5/32"-32 NS					<i>Recommended Hole Size based on 75% Thread = .1259"</i>								
HAND TAP	3	2B	4	17560	17561	56.70	54.80	45.50	28.10	20.00	16.30	12.70	12.30
3/16"-24 NS					<i>Recommended Hole Size based on 75% Thread = .1465"</i>								
HAND TAP	3	3B	4	15443	15444	56.70	54.80	45.50	28.10	20.00	16.30	12.70	12.30
3/16"-32 NS					<i>Recommended Hole Size based on 75% Thread = .1572"</i>								
HAND TAP	3	2B	4	15449	15450	56.70	54.80	45.50	28.10	20.00	16.30	12.70	12.30
7/32"-32 NS					<i>Recommended Hole Size based on 75% Thread = .1884"</i>								
HAND TAP	3	2B	4	17565	17566	100.00	68.00	45.50	28.10	20.00	16.30	12.70	12.30
1/4"-18 PIPE TAP NPSI NPSF NPT/F NPS					<i>Recommended Hole Size: NPT/NPTF = .4375" NPSF / NPSI = .4375"</i>								
NPT/F REG. SPR FLT TAPER			4	15452		49.10	49.10	49.10	49.10	49.10	49.10	49.10	42.80
NPT/F LEFT HAND TAPER			4	15455		99.00	73.40	46.80	37.40	30.40	27.70	27.00	25.90
PTF-SAE SHORT PROJ .361			4	17689	17690	99.00	73.40	46.80	37.40	30.40	27.70	27.00	25.90
NPT/F 4" EXT TAPER			4	15458		90.20	83.90	78.40	69.50	56.90	50.40	44.70	39.50
NPT/F 6" EXT TAPER			4	15461		51.60	51.00	50.30	49.30	38.70	31.10	26.10	25.50
NPT/F 6" INT EXT TAPER			5	15464		58.90	58.20	57.50	56.90	44.40	37.60	34.00	30.30
NPT/F 8" EXT TAPER			4	15467		65.60	65.20	64.40	63.60	47.60	41.60	34.50	34.50
NPSF EXT x 6"			4	17703		62.00	58.10	54.80	52.60	51.00	50.30	48.10	42.90
NPSI STRAIGHT			4	15476		109.00	79.00	57.10	40.80	34.20	29.20	26.00	22.10
SOLID CARBIDE - NPT/F			4	41802		229.90	229.90	229.90	229.90	219.50	203.00	197.10	194.40
TiN COAT x 6" NPT/F			4	50005		63.70	63.10	62.60	61.70	50.90	43.30	38.50	37.60
TiN COAT / INT. x 6" NPT/F			5	50006		71.10	70.60	69.70	69.00	56.80	50.10	46.20	42.60
NPT/F "COST CUTTER" DRILL/TAP			4	29042		84.70	82.40	80.40	79.50	77.10	74.00	69.40	65.70
NPT R.H. ROUND DIE 1-1/2"OD				13092		95.70	73.80	68.50	58.50	56.00	51.30	46.30	46.10
NPS R.H. ROUND DIE 1-1/2"OD				13094		97.50	79.00	57.20	42.10				
GAGE L1 NPT PLG w/hdle				24374		71.80							
GAGE L1 NPT RING				24372		122.70							
GAGE L1 NPTF PLG w/hdle				24434		101.60							
GAGE L3 NPTF PLG w/hdle				24436		101.60							
GAGE NPTF 6 step Plain Plug w/handle				24532		170.50							
GAGE L1 NPTF RING				24494		140.60							
GAGE L2 NPTF RING				24496		239.40							
GAGE NPTF 6 step Plain Ring				24566		276.70							

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BACK TO INDEX

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1/4"-19 55° WHITWORTH PIPE					<i>Recommended Hole Size: BSPT = .4375" / BSPP = .4531"</i>								
BSPT TAPER - MODIFIED			4	15479	15480	41.70	31.90	28.90	26.40	26.10	25.30	24.60	23.80
BSPP PARALLEL - MODIFIED			4	15482	15483	41.70	31.90	28.90	26.40	26.10	25.30	24.60	23.80
BSPT TAPER - FULL FORM			4	17933		60.40	60.40	60.40	60.40	59.60	58.00	57.60	57.50
BSPP PARALLEL - FULL FORM			4	17924		60.40	60.40	60.40	60.40	59.60	58.00	57.60	57.50
BSPT R.H. ROUND DIE 1-1/2"OD				13694		308.00							
BSPP R.H. ROUND DIE 1-1/2"OD				13695		108.80							
GAGE BSPP-Mod. DBL END w/handle				27044		265.10							
GAGE BSPT-Mod. w/handle				27005		236.80							

1/4"-20 NC					<i>Recommended Hole Size based on 75% Thread = .2015" for STI = .2660" / TRU-Flo at 65% Thread = .2279"</i>								
FAST SPIRAL FLUTE	5	2B	3	17766	17767	91.90	64.00	55.90	40.70	29.70	24.10	20.50	18.50
L.H. HAND TAP	3	3B	4	15488	15489	8.80	8.80	8.80	8.80	8.80	8.10	8.10	8.10
L.H. SPIRAL POINT	3	3B	2	15486		34.40	33.70	32.80	30.30	22.20	18.30	14.50	13.30
+ .003 HAND TAP	7		4	15494	15495	46.10	44.70	44.00	27.70	20.00	16.40	12.70	11.60
+ .003 SPIRAL POINT	7		2	15492		47.20	46.00	45.00	28.90	21.30	17.50	13.90	12.90
+ .005 HAND TAP	11	PLATING	4	15500	15501	9.20	9.20	9.20	9.20	9.20	8.30	8.30	8.30
+ .005 SPIRAL POINT	11	PLATING	2	15498		10.30	10.30	10.30	10.30	10.30	9.60	9.60	9.60
+ .010 HAND TAP	21		4	15506	15507	92.60	66.60	45.30	29.50	21.70	17.50	13.90	12.90
DOUBLE LEAD	3	3B	4	15512	15513	128.50	94.70	65.30	42.40	30.10	24.00	18.90	16.80
4" EXT SP PT SM SHK	3	3B	2	17964		30.10	30.10	30.10	30.10	30.10	30.10	30.10	30.10
4" EXT SPIRAL POINT	3	3B	2	17584		24.40	24.40	24.40	24.40	24.40	24.40	24.40	24.40
6" EXTENSION HAND TAP	3	3B	4	15518	15519	21.70	21.70	21.70	21.70	21.70	21.70	21.70	21.70
6" EXT SM SHK HAND	3	3B	4	17570	17571	34.20	34.20	34.20	34.20	34.20	34.20	34.20	25.50
6" EXT SPIRAL POINT	3	3B	2	15516		23.30	23.30	23.30	23.30	23.30	23.30	23.30	22.40
6" EXT SP PT SM SHK	3	3B	2	17569		35.60	35.60	35.60	35.60	35.60	35.60	35.60	26.70
8" EXTENSION HAND TAP	3	3B	4	15524	15525	26.40	26.40	26.40	26.40	26.40	26.40	26.40	24.80
"TRU-FLO" FORM TAP	4	3B	0	19070	19071	27.00	27.00	27.00	27.00	27.00	27.00	21.80	16.70
"TRU-FLO" FORM TAP	6	2B	0	19072	19073	27.00	27.00	27.00	27.00	27.00	27.00	21.80	16.70
"TRU-FLO" FORM TAP	10	PLATING	0	19074	19075	111.10	106.70	72.70	47.40	35.60	27.00	21.80	16.70
SOLID CARBIDE / HAND	3	3B	4	41312	41313	72.60	72.60	72.60	72.60	72.60	63.80	61.90	60.40
SOLID CARBIDE / SP PT	3	3B	2	41307		74.80	74.80	74.80	74.80	74.80	65.30	63.40	61.90
"COST CUTTER" DRILL/TAP	3	3B	2	29012		14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
TIN COAT/SP PT+.003	7		2	50007		50.30	48.80	48.10	31.90	24.20	20.60	16.70	16.20
TIN COAT/SP PT+.005	11	PLATING	2	50008		13.40	13.40	13.40	13.40	13.40	12.50	12.50	12.50
TIN COAT/SP PT x 6"	3	3B	2	50009		29.30	29.30	29.30	29.30	29.30	29.30	29.30	29.30
TIN COAT/SP PT x 6"/SM SHK	3	3B	2	50023		41.60	41.60	41.60	41.60	41.60	41.60	41.60	32.90
TIN COAT/SP PT x 4"	3	3B	2	50026		29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00
STI HAND TAP	2	3B	3	17834	17835	21.20	21.20	21.20	21.20	16.70	15.40	15.00	14.10
STI SPIRAL POINT	2	3B	2	17836		22.60	22.60	22.60	22.60	18.20	16.60	16.40	15.50
STI HAND TAP	3	2B	3	17838	17839	21.20	21.20	21.20	21.20	16.70	15.40	15.00	14.10
STI SPIRAL POINT	3	2B	2	17840		22.60	22.60	22.60	22.60	18.20	16.60	16.40	15.50
R.H. ROUND DIE 1"OD				13074		34.90	34.90	34.90	29.70	28.30	25.90	25.00	24.80
L.H. ROUND DIE 1"OD				13075		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
GAGE - Taperlock Style		2B		23103		74.90							
GAGE - Taperlock Style		3B		23104		74.90							
GAGE - Reversible Style		2B		24289		108.60							
GAGE - Reversible Style		3B		24290		108.60							
GAGE - Ring-Go		2A		23470		98.20							
GAGE - Ring-Go		3A		23471		98.20							
GAGE - Ring-NoGo		2A		23472		98.20							
GAGE - Ring-NoGo		3A		23473		98.20							
GAGE - STI Plug Taperlock		2B		24677		118.80							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
1/4"-20 NC					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - STI Plug Taperlock		3B		24678		118.80							
GAGE - L.H. Taperlock Style		2B		22145		158.40							
GAGE - L.H. Taperlock Style		3B		22146		158.40							
GAGE - L.H. Reversible Style		2B		22147		195.80							
GAGE - L.H. Reversible Style		3B		22148		195.80							
GAGE - L.H. Ring-Go		2A		22149		207.90							
GAGE - L.H. Ring-NoGo		2A		22150		207.90							
GAGE - L.H. Ring-Go		3A		22151		207.90							
GAGE - L.H. Ring-NoGo		3A		22152		207.90							
1/4"-20 BSW 55° MOD WHITWORTH					<i>Recommended Hole Size = .2020"</i>								
	3		4	15530	15531	124.60	90.20	61.80	40.20	29.20	22.40	18.40	15.80
1/4"-24 NS					<i>Recommended Hole Size based on 75% Thread = .209"</i>								
HAND TAP	3	3B	4	15536	15537	36.60	27.40	23.10	18.40	14.00	11.60	11.10	9.90
SPIRAL POINT	3	3B	2	15534		38.60	28.40	24.20	19.70	15.20	13.00	12.40	11.10
R.H. ROUND DIE 1"OD				13076		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
1/4"-26 BSF 55° MOD WHITWORTH					<i>Recommended Hole Size = .2130"</i>								
	3		4	17620	17621	124.60	90.20	61.80	40.20	29.20	22.40	18.40	15.80
1/4"-27 NS					<i>Recommended Hole Size based on 75% Thread = .214"</i>								
HAND TAP	3	3B	4	15542	15543	36.60	27.40	23.10	18.40	14.00	11.60	11.10	9.90
R.H. ROUND DIE 1"OD				13078		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
1/4"-28 NF					<i>Recommended Hole Size based on 75% Thread = .2153" for STI = .2638" / TRU-FLO at 65% Thread = .2342"</i>								
L.H. HAND TAP	3	3B	4	15548	15549	8.80	8.80	8.80	8.80	8.80	8.10	8.10	8.10
L.H. SPIRAL POINT	3	3B	2	15546		39.40	37.60	33.20	30.80	23.40	19.70	15.80	14.10
HAND TAP	5		4	15554	15555	91.50	64.20	43.50	27.70	20.00	16.40	12.70	11.60
SPIRAL POINT	5		2	15552		92.60	65.50	44.70	28.90	21.30	17.50	13.90	12.90
+ .003 HAND TAP	7		4	15560	15561	91.50	64.20	43.50	27.70	20.00	16.40	12.70	11.60
+ .003 SPIRAL POINT	7		2	15558		92.60	65.50	44.70	28.90	21.30	17.50	13.90	12.90
+ .005 HAND TAP	11	PLATING	4	15566	15567	9.20	9.20	9.20	9.20	9.20	8.30	8.30	8.30
+ .005 SPIRAL POINT	11	PLATING	2	15564		10.30	10.30	10.30	10.30	10.30	9.60	9.60	9.60
DOUBLE LEAD	3	3B	4	15572	15573	128.50	94.70	65.30	42.40	30.10	24.00	18.90	16.80
4" EXT SP PT SM SHK	3	3B	2	17965		30.70	30.70	30.70	30.70	30.70	30.70	30.70	30.70
6" EXTENSION HAND TAP	3	3B	4	15578	15579	21.70	21.70	21.70	21.70	21.70	21.70	21.70	21.70
6" EXT SPIRAL POINT	3	3B	2	15576		24.10	24.10	24.10	24.10	24.10	24.10	24.10	23.30
6" EXT SP PT SM SHK	3	3B	2	17607		35.60	35.60	35.60	35.60	35.60	35.60	35.60	26.70
"TRU-FLO" FORM TAP	4	3B	0	19076	19077	27.00	27.00	27.00	27.00	27.00	27.00	21.80	16.70
"TRU-FLO" FORM TAP	6	2B	0	19078	19079	27.00	27.00	27.00	27.00	27.00	27.00	21.80	16.70
"TRU-FLO" FORM TAP	10	PLATING	0	19080	19081	111.10	106.70	72.70	47.40	35.60	27.00	21.80	16.70
SOLID CARBIDE / HAND	3	3B	4	41345	41346	72.60	72.60	72.60	72.60	72.60	63.80	61.90	60.40
SOLID CARBIDE / SP PT	3	3B	2	41340		74.80	74.80	74.80	74.80	74.80	65.30	63.40	61.90
"COST CUTTER" DRILL/TAP	3	3B	2	29013		14.30	14.30	14.30	14.30	14.30	14.30	14.30	14.30
TIN COAT/HAND	5		4		50010	94.60	67.20	46.50	30.80	23.20	19.40	15.70	14.70
STI HAND TAP	2	3B	3	17842	17843	21.20	21.20	21.20	21.20	16.70	15.40	15.00	14.10
STI SPIRAL POINT	2	3B	2	17844		22.60	22.60	22.60	22.60	18.20	16.60	16.40	15.50
STI HAND TAP	3	2B	3	17846	17847	21.20	21.20	21.20	21.20	16.70	15.40	15.00	14.10
STI SPIRAL POINT	3	2B	2	17848		22.60	22.60	22.60	22.60	18.20	16.60	16.40	15.50
R.H. ROUND DIE 1"OD				13080		34.90	34.90	34.90	29.70	28.30	25.90	25.00	24.80

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
1/4"-28 NF					<i>See Previous Page for Recommended Hole Size</i>								
L.H. ROUND DIE 1"OD				13081		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
GAGE - Taperlock Style		2B		23108		74.90							
GAGE - Taperlock Style		3B		23109		74.90							
GAGE - Reversible Style		2B		24294		108.60							
GAGE - Reversible Style		3B		24295		108.60							
GAGE - Ring-Go		2A		23476		98.20							
GAGE - Ring-Go		3A		23477		98.20							
GAGE - Ring-NoGo		2A		23478		98.20							
GAGE - Ring-NoGo		3A		23479		98.20							
GAGE - STI Plug Taperlock		2B		24682		118.80							
GAGE - STI Plug Taperlock		3B		24683		118.80							
GAGE - L.H. Taperlock Style		2B		22153		158.40							
GAGE - L.H. Taperlock Style		3B		22154		158.40							
GAGE - L.H. Reversible Style		2B		22155		195.80							
GAGE - L.H. Reversible Style		3B		22156		195.80							
GAGE - L.H. Ring-Go		2A		22157		207.90							
GAGE - L.H. Ring-NoGo		2A		22158		207.90							
GAGE - L.H. Ring-Go		3A		22159		207.90							
GAGE - L.H. Ring-NoGo		3A		22160		207.90							
1/4"-32 NEF					<i>Recommended Hole Size based on 75% Thread = .2197"</i>								
HAND TAP	3	3B	4	15584	15585	10.10	10.10	10.10	10.10	8.00	7.00	6.90	6.60
L.H. HAND TAP	3	3B	4	17784	17785	90.00	60.60	57.30	37.00	26.00	20.50	16.60	15.50
SPIRAL POINT	3	3B	2	15588		28.80	23.90	16.80	15.10	13.90	10.30	10.30	9.60
HAND TAP	5		4	15590	15591	27.60	22.60	15.80	12.70	12.20	9.10	8.70	8.30
R.H. ROUND DIE 1"OD				13082		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
GAGE - Taperlock Style		2B		23113		133.40							
GAGE - Taperlock Style		3B		23114		133.40							
GAGE - Reversible Style		2B		24937		187.70							
GAGE - Reversible Style		3B		24938		187.70							
GAGE - Ring-Go		2A		23482		142.20							
GAGE - Ring-Go		3A		23483		142.20							
GAGE - Ring-NoGo		2A		23484		142.20							
GAGE - Ring-NoGo		3A		23485		142.20							
1/4"-36 NS					<i>Recommended Hole Size based on 75% Thread = .2230"</i>								
HAND TAP	2	3B	4	15596	15597	36.60	27.40	23.10	18.40	14.00	11.60	11.10	9.90
SPIRAL POINT	2	3B	2	15594		38.60	28.40	24.20	19.70	15.20	13.00	12.40	11.10
HAND TAP	3	2B	4	17759	17760	90.20	68.50	46.90	29.00	21.00	16.80	13.00	11.40
SPIRAL POINT	3	2B	2	17572		91.50	69.60	48.10	30.30	22.20	18.20	14.10	13.60
TiN COAT / SP PT	3	2B	2	50024		94.60	72.70	51.20	33.30	25.20	21.20	17.20	16.60
R.H. ROUND DIE 1"OD				13451		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
1/4"-40 NS					<i>Recommended Hole Size based on 75% Thread = .2258"</i>								
HAND TAP	2	3B	4	15602	15603	36.60	27.40	23.10	18.40	14.00	11.60	11.10	9.90
SPIRAL POINT	2	3B	3	17573		38.60	28.40	24.20	19.70	15.20	13.00	12.40	11.10
HAND TAP	3	2B	4	15608	15609	90.20	68.50	46.90	29.00	21.00	16.80	13.00	11.40
R.H. ROUND DIE 1"OD				13084		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
1/4"-48 NS					<i>Recommended Hole Size based on 75% Thread = .230"</i>								
HAND TAP	2	3B	4	15614	15615	36.60	27.40	23.10	18.40	14.00	11.60	11.10	9.90
R.H. ROUND DIE 1"OD				13086		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40

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BACK TO INDEX

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1/4"-56 NS					<i>Recommended Hole Size based on 75% Thread = .2329"</i>								
HAND TAP	2	3B	4	15620	15621	36.60	27.40	23.10	18.40	14.00	11.60	11.10	9.90
R.H. ROUND DIE 1"OD				13088		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
1/4"-80 NS					<i>Recommended Hole Size based on 75% Thread = .2379"</i>								
HAND TAP	2	3B	4	15638	15639	93.50	72.80	49.70	32.20	24.20	20.20	16.30	14.50
R.H. ROUND DIE 1"OD				13090		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
9/32"-32 NS					<i>Recommended Hole Size based on 75% Thread = .2509"</i>								
HAND TAP	3	2B	4	17589	17590	113.00	81.00	55.90	37.40	27.60	20.20	16.30	14.50
5/16"-18 NC					<i>Recommended Hole Size based on 75% Thread = .2589" for STI = .3320" / TRU-FLO at 65% Thread = .2879"</i>								
L.H. HAND TAP	3	3B	4	15644	15645	10.00	10.00	10.00	10.00	10.00	9.20	9.20	9.20
L.H. SPIRAL POINT	3	3B	2	15642		19.60	19.60	19.60	19.60	19.60	19.60	15.80	14.10
+ .003 HAND TAP	7		4	15650	15651	91.60	69.70	47.70	29.50	21.30	16.80	13.30	10.70
+ .003 SPIRAL POINT	7		2	15648		93.00	71.10	48.80	30.80	22.40	18.30	14.50	12.10
+ .005 HAND TAP	11	PLATING	4	15656	15657	11.60	11.60	11.60	11.60	11.60	10.70	10.70	10.70
+ .005 SPIRAL POINT	11	PLATING	2	15654		12.20	12.20	12.20	12.20	12.20	11.10	11.10	11.10
+ .010 HAND TAP	21		4	15662	15663	113.00	81.00	55.90	37.40	27.60	22.10	17.90	16.40
DOUBLE LEAD	3	3B	4	15668	15669	129.60	95.80	65.80	45.80	32.00	25.30	20.20	19.80
4" EXT SPIRAL POINT	3	3B	2	17585		25.10	25.10	25.10	25.10	25.10	25.10	25.10	25.10
4" EXT SP PT SM SHK	3	3B	2	17966		30.80	30.80	30.80	30.80	30.80	30.80	30.80	30.80
6" EXTENSION HAND TAP	3	3B	4	15673	15674	23.10	23.10	23.10	23.10	23.10	23.10	23.10	23.10
6" EXT SM SHK HAND	3	3B	4	17608	17609	35.10	35.10	35.10	35.10	35.10	35.10	35.10	31.60
6" EXT SPIRAL POINT	3	3B	2	15671		24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20
6" EXT SP PT SM SHK	3	3B	2	17610		35.90	35.90	35.90	35.90	35.90	35.90	35.90	32.90
8" EXTENSION HAND TAP	3	3B	4	15678	15679	27.40	26.80	26.30	25.50	25.50	25.50	25.50	24.80
"TRU-FLO" FORM TAP	5	3B	0	19082	19083	27.70	27.70	27.70	27.70	27.70	27.70	22.60	19.70
"TRU-FLO" FORM TAP	7	2B	0	19084	19085	27.70	27.70	27.70	27.70	27.70	27.70	22.60	19.70
"TRU-FLO" FORM TAP	10	PLATING	0	19086	19087	111.90	107.50	74.00	48.60	36.40	27.70	22.60	19.70
SOLID CARBIDE / HAND	3	3B	4	41378	41379	83.70	83.70	83.70	83.70	83.70	72.80	71.20	69.50
SOLID CARBIDE / SP PT	3	3B	2	41373		85.90	85.90	85.90	85.90	85.90	74.30	72.70	71.00
"COST CUTTER" DRILL/TAP	3	3B	2	29014		21.20	21.20	21.20	21.20	21.20	21.20	21.20	21.20
TIN COAT / SP PT x 6"	3	3B	2	50011		30.70	30.70	30.70	30.70	30.70	30.70	30.70	30.70
STI HAND TAP	3	3B	4	17850	17851	23.40	23.40	18.30	18.30	16.60	16.60	16.40	15.80
STI SPIRAL POINT	3	3B	3	17852		25.00	25.00	19.60	18.00	18.00	18.00	17.60	17.10
STI HAND TAP	4	2B	4	17854	17855	23.40	23.40	18.30	18.30	16.60	16.60	16.40	15.80
STI SPIRAL POINT	4	2B	3	17856		25.00	25.00	19.60	18.00	18.00	18.00	17.60	17.10
R.H. ROUND DIE 1"OD				13100		34.90	34.90	34.90	29.70	28.30	25.90	25.00	24.80
L.H. ROUND DIE 1"OD				13101		74.10	55.40	49.20	33.40	31.90	29.30	25.10	24.90
GAGE - Taperlock Style		2B		23118		74.90							
GAGE - Taperlock Style		3B		23119		74.90							
GAGE - Reversible Style		2B		24299		108.60							
GAGE - Reversible Style		3B		24300		108.60							
GAGE - Ring-Go		2A		23488		98.20							
GAGE - Ring-Go		3A		23489		98.20							
GAGE - Ring-NoGo		2A		23490		98.20							
GAGE - Ring-NoGo		3A		23491		98.20							
GAGE - STI Plug Taperlock		2B		24687		118.80							
GAGE - STI Plug Taperlock		3B		24688		118.80							
GAGE - L.H. Taperlock Style		2B		22161		158.40							
GAGE - L.H. Taperlock Style		3B		22162		158.40							
GAGE - L.H. Reversible Style		2B		22163		196.90							

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BACK TO INDEX

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5/16"-18 NC					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - L.H. Reversible Style		3B		22164		196.90							
GAGE - L.H. Ring-Go		2A		22165		220.00							
GAGE - L.H. Ring-NoGo		2A		22166		220.00							
GAGE - L.H. Ring-Go		3A		22167		220.00							
GAGE - L.H. Ring-NoGo		3A		22168		220.00							
5/16"-18 BSW 55° MOD WHITWORTH					<i>Recommended Hole Size = .2591"</i>								
	3		4	17625	17626	126.10	91.50	62.80	41.50	31.60	23.40	18.50	16.40
5/16"-20 NS					<i>Recommended Hole Size based on 75% Thread = .264"</i>								
HAND TAP	3	3B	4	15684	15685	34.30	29.50	28.60	20.20	15.80	13.60	12.20	10.80
R.H. ROUND DIE 1"OD				13102		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
GAGE - Taperlock Style		2B		22169		158.40							
GAGE - Taperlock Style		3B		22170		158.40							
GAGE - Ring-Go		2A		22171		202.40							
GAGE - Ring-Go		3A		22172		202.40							
GAGE - Ring-NoGo		2A		22173		202.40							
GAGE - Ring-NoGo		3A		22174		202.40							
5/16"-22 BSF 55° MOD WHITWORTH					<i>Recommended Hole Size .2688"</i>								
	3		4	15690	15691	126.10	91.50	62.80	41.50	31.60	23.40	18.50	16.40
5/16"-24 NF					<i>Recommended Hole Size based on 75% Thread = .2715" for STI = .3281" / TRU-FLO at 65% Thread = .2941"</i>								
L.H. HAND TAP	3	3B	4	15696	15697	10.00	10.00	10.00	10.00	10.00	9.20	9.20	9.20
L.H. SPIRAL POINT	3	3B	2	15694		19.60	19.60	19.60	19.60	19.60	19.60	15.80	14.10
4" EXT SP PT SM SHK	3	3B	2	17967		31.60	31.60	31.60	31.60	31.60	31.60	31.60	31.60
HAND TAP	5		4	17650	17651	113.00	81.00	55.90	37.40	27.60	22.10	17.90	16.40
SPIRAL POINT	5		2	17737		114.40	82.40	57.00	38.70	28.90	23.30	19.00	17.60
HAND TAP	6		4	17707	17708	113.00	81.00	55.90	37.40	27.60	22.10	17.90	16.40
+ .005 HAND TAP	11	PLATING	4	15708	15709	11.60	11.60	11.60	11.60	11.60	10.70	10.70	10.70
+ .005 SPIRAL POINT	11	PLATING	2	15706		12.20	12.20	12.20	12.20	12.20	11.10	11.10	11.10
6" EXTENSION HAND TAP	3	3B	4	15713	15714	23.40	23.40	23.40	23.40	23.40	23.40	23.40	23.40
6" EXT SPIRAL POINT	3	3B	2	15711		24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20
6" EXT SP PT SM SHK	3	3B	2	17611		35.90	35.90	35.90	35.90	35.90	35.90	35.90	32.90
"TRU-FLO" FORM TAP	5	3B	0	19088	19089	27.70	27.70	27.70	27.70	27.70	27.70	22.60	19.70
"TRU-FLO" FORM TAP	7	2B	0	19090	19091	27.70	27.70	27.70	27.70	27.70	27.70	22.60	19.70
"TRU-FLO" FORM TAP	10	PLATING	0	19092	19093	111.90	107.50	74.00	48.60	36.40	27.70	22.60	19.70
SOLID CARBIDE / HAND	3	3B	4	41411	41412	83.70	83.70	83.70	83.70	83.70	72.80	71.20	69.50
SOLID CARBIDE SP PT	3	3B	2	41406		85.90	85.90	85.90	85.90	85.90	74.30	72.70	71.00
"COST CUTTER" DRILL/TAP	3	3B	2	29015		21.20	21.20	21.20	21.20	21.20	21.20	21.20	21.20
STI HAND TAP	2	3B	4	17858	17859	23.40	23.40	18.30	16.60	16.60	16.60	16.40	15.80
STI SPIRAL POINT	2	3B	3	17860		25.00	25.00	19.60	18.00	18.00	18.00	17.60	17.10
STI HAND TAP	3	2B	4	17862	17863	23.40	23.40	18.30	16.60	16.60	16.60	16.40	15.80
STI SPIRAL POINT	3	2B	3	17864		25.00	25.00	19.60	18.00	18.00	18.00	17.60	17.10
R.H. ROUND DIE 1"OD				13104		34.90	34.90	34.90	29.70	28.30	25.90	25.00	24.80
L.H. ROUND DIE 1"OD				13105		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
GAGE - Taperlock Style		2B		23123		74.90							
GAGE - Taperlock Style		3B		23124		74.90							
GAGE - Reversible Style		2B		24304		108.60							
GAGE - Reversible Style		3B		24305		108.60							
GAGE - Ring-Go		2A		23494		98.20							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
5/16"-24 NF					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - Ring-Go		3A		23495		98.20							
GAGE - Ring-NoGo		2A		23496		98.20							
GAGE - Ring-NoGo		3A		23497		98.20							
GAGE - STI Plug Taperlock		2B		24692		118.80							
GAGE - STI Plug Taperlock		3B		24693		118.80							
GAGE - L.H. Taperlock Style		2B		22175		158.40							
GAGE - L.H. Taperlock Style		3B		22176		158.40							
GAGE - L.H. Reversible Style		2B		22177		196.90							
GAGE - L.H. Reversible Style		3B		22178		196.90							
GAGE - L.H. Ring-Go		2A		22179		207.90							
GAGE - L.H. Ring-NoGo		2A		22180		207.90							
GAGE - L.H. Ring-Go		3A		22181		207.90							
GAGE - L.H. Ring-NoGo		3A		22182		207.90							
5/16"-27 NS					<i>Recommended Hole Size based on 75% Thread = .2765"</i>								
HAND TAP	3	3B	4	15719	15720	34.30	29.50	28.60	20.20	15.80	13.60	12.20	10.80
R.H. ROUND DIE 1"OD				13106		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
5/16"-28 NS					<i>Recommended Hole Size based on 75% Thread = .2778"</i>								
HAND TAP	3	3B	4	15725	15726	34.30	29.50	28.60	20.20	15.80	13.60	12.20	10.80
GAGE - Taperlock Style		2B		22183		170.50							
GAGE - Taperlock Style		3B		22184		170.50							
GAGE - Ring-Go		2A		22185		207.90							
GAGE - Ring-Go		3A		22186		207.90							
GAGE - Ring-NoGo		2A		22187		207.90							
GAGE - Ring-NoGo		3A		22188		207.90							
5/16"-32 NEF					<i>Recommended Hole Size based on 75% Thread = .2822"</i>								
HAND TAP	3	3B	4	15730	15731	10.70	10.70	10.70	10.70	8.70	7.90	7.20	7.20
SPIRAL POINT	3	3B	2	15728		30.30	25.50	18.30	14.20	13.60	11.60	11.20	10.90
HAND TAP	5		4	15735	15736	28.90	24.20	16.80	13.10	12.40	10.30	9.50	8.80
R.H. ROUND DIE 1"OD				13108		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
GAGE - Taperlock Style		2B		23128		133.40							
GAGE - Taperlock Style		3B		23129		133.40							
GAGE - Reversible Style		2B		24942		187.70							
GAGE - Reversible Style		3B		24943		187.70							
GAGE - Ring-Go		2A		23500		142.20							
GAGE - Ring-Go		3A		23501		142.20							
GAGE - Ring-NoGo		2A		23502		142.20							
GAGE - Ring-NoGo		3A		23503		142.20							
5/16"-40 NS					<i>Recommended Hole Size based on 75% Thread = .2883"</i>								
HAND TAP	2	3B	4	15740	15741	34.30	29.50	28.60	20.20	15.80	13.60	12.20	10.80
R.H. ROUND DIE 1"OD				13110		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
11/32"-32 NS					<i>Recommended Hole Size based on 75% Thread = .3134"</i>								
HAND TAP	3	3B	4	15750	15751	103.70	78.90	55.30	36.70	25.90	20.20	16.50	14.70

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BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
3/8"-12 ACME					<i>Recommended Hole Size = .2917"</i>								
TANDEM		2G	4	15752		150.70	131.30	108.60	90.60	87.20	84.00	69.00	62.00
3/8"-16 NC					<i>Recommended Hole Size based on 75% Thread = .3144" for STI = .3970" / TRU-FLO at 65% Thread = .3474"</i>								
FAST SPIRAL FLUTE	5	2B	3	17912	17913	96.00	68.30	59.60	46.20	36.10	27.80	24.10	21.50
L.H. HAND TAP	3	3B	4	15756	15757	13.00	13.00	13.00	13.00	13.00	12.10	12.10	12.10
L.H. SPIRAL POINT	3	3B	3	15754		20.20	20.20	20.20	20.20	20.20	20.20	16.50	14.70
SPIRAL POINT	3	3B	2	17738		20.20	20.20	20.20	20.20	20.20	20.20	16.50	14.70
+ .003 HAND TAP	7		4	15766	15767	98.00	75.00	52.90	34.40	24.40	19.40	15.70	14.00
+ .003 SPIRAL POINT	7		3	15764		99.20	76.50	54.30	35.90	25.90	20.80	16.80	15.40
+ .005 HAND TAP	11	PLATING	4	15771	15772	13.30	13.30	13.30	13.30	13.30	12.20	12.20	12.20
+ .005 SPIRAL POINT	11	PLATING	3	15769		13.80	13.80	13.80	13.80	13.80	12.70	12.70	12.70
+ .010 HAND TAP	21		4	15776	15777	98.00	75.00	52.90	34.40	24.40	19.40	15.70	14.00
SMALL SHANK	3	3B	4	15761	15762	98.00	75.00	52.90	35.00	26.10	21.20	17.50	15.70
DOUBLE LEAD	3	3B	4	15781	15782	129.60	95.80	65.80	45.80	32.00	25.30	20.20	19.80
4" EXT SP PT SM SHK	3	3B	3	17969		35.30	35.30	35.30	35.30	35.30	35.30	35.30	35.30
4" EXT SPIRAL POINT	3	3B	3	17586		28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80
6" EXTENSION HAND TAP	3	3B	4	15786	15787	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80
6" EXT SM SHANK	3	3B	4	15801	15802	38.60	38.60	38.60	38.60	38.60	38.60	38.60	36.70
6" EXT SPIRAL POINT	3	3B	3	15784		26.30	26.30	26.30	26.30	26.30	26.30	26.30	26.30
6" EXT SP PT SM SHK	3	3B	3	15799		39.10	39.10	39.10	39.10	39.10	39.10	39.10	37.30
6" EXTENSION HAND TAP	5	2B	4	17658	17659	90.90	64.80	47.90	40.80	36.50	34.20	31.10	29.80
6" EXT SPIRAL POINT	5	2B	3	17666		92.20	65.80	49.20	42.10	37.60	35.60	32.60	31.00
8" EXTENSION HAND TAP	3	3B	4	15791	15792	32.20	32.20	32.20	32.20	32.20	32.20	32.20	32.20
10" EXTENSION HAND TAP	3	3B	4	15796	15797	75.50	72.40	71.10	69.00	59.40	54.30	48.10	42.40
"TRU-FLO" FORM TAP	5	3B	0	19094	19095	30.30	30.30	30.30	30.30	30.30	30.30	25.20	21.00
"TRU-FLO" FORM TAP	7	2B	0	19096	19097	30.30	30.30	30.30	30.30	30.30	30.30	25.20	21.00
"TRU-FLO" FORM TAP	10	PLATING	0	19098	19099	116.40	112.50	78.80	52.60	39.20	30.30	25.20	21.00
SOLID CARBIDE / HAND	3	3B	4	41444	41445	104.50	94.10	89.00	83.70	81.60	78.50	75.40	73.20
SOLID CARBIDE / SP PT	3	3B	3	41442		107.70	97.30	92.20	85.20	83.10	80.00	76.90	74.70
"COST CUTTER" DRILL/TAP	3	3B	2	29016		25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60
TIN COAT/SP PT x 6"	3	3B	3	50012		32.50	32.50	32.50	32.50	32.50	32.50	32.50	32.50
TIN COAT/SP PT x 6"/SM SHK	3	3B	3	50013		45.30	45.30	45.30	45.30	45.30	45.30	45.30	44.20
STI HAND TAP	3	3B	4	17866	17867	29.00	29.00	23.40	21.30	21.30	21.30	21.20	20.90
STI SPIRAL POINT	3	3B	3	17868		31.10	31.10	25.50	23.40	23.40	23.40	23.20	23.10
STI HAND TAP	4	2B	4	17870	17871	29.00	29.00	23.40	21.30	21.30	21.30	21.20	20.90
STI SPIRAL POINT	4	2B	3	17872		31.10	31.10	25.50	23.40	23.40	23.40	23.20	23.10
R.H. ROUND DIE 1"OD				13116		34.90	34.90	34.90	29.70	28.30	25.90	25.00	24.80
L.H. ROUND DIE 1"OD				13117		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
GAGE - Taperlock Style		2B		23133		80.70							
GAGE - Taperlock Style		3B		23134		80.70							
GAGE - Reversible Style		2B		24309		117.40							
GAGE - Reversible Style		3B		24310		117.40							
GAGE - Ring-Go		2A		23506		107.10							
GAGE - Ring-Go		3A		23507		107.10							
GAGE - Ring-NoGo		2A		23508		107.10							
GAGE - Ring-NoGo		3A		23509		107.10							
GAGE - STI Plug Taperlock		2B		24697		118.80							
GAGE - STI Plug Taperlock		3B		24698		118.80							
GAGE - L.H. Taperlock Style		2B		22189		158.40							
GAGE - L.H. Taperlock Style		3B		22190		158.40							
GAGE - L.H. Reversible Style		2B		22191		196.90							
GAGE - L.H. Reversible Style		3B		22192		196.90							
GAGE - L.H. Ring-Go		2A		22193		220.00							

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BACK TO INDEX

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3/8"-16 NC					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - L.H. Ring-NoGo		2A		22194		220.00							
GAGE - L.H. Ring-Go		3A		22195		220.00							
GAGE - L.H. Ring-NoGo		3A		22196		220.00							
3/8"-18 NS					<i>Recommended Hole Size based on 75% Thread = .3214"</i>								
HAND TAP	3	3B	4	15806	15807	51.00	31.10	30.40	22.60	17.60	15.10	14.10	12.40
R.H. ROUND DIE 1"OD				13118		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
3/8"-18 PIPE TAP NPSI NPSF NPT/F NPS					<i>Recommended Hole Size: NPT = .5625" / NPTF = .5781" NPSF/NPSI = .5781"</i>								
NPT/F REGULAR SP FLT TAPER			4	15809		60.70	60.70	60.70	60.70	60.70	60.70	60.70	60.70
NPT/F LEFT HAND TAPER			4	15812		98.70	75.70	57.20	45.00	39.30	34.40	33.60	33.10
NPT/F 6" EXT TAPER			4	15815		60.20	59.60	59.00	58.40	43.70	36.00	35.60	34.90
NPT/F 6" INT EXT TAPER			5	15818		67.90	67.00	66.20	65.70	52.60	43.30	39.80	39.30
NPT/F 8" EXT TAPER			4	15821		75.20	74.00	73.60	72.70	67.00	58.00	53.80	53.10
NPSI STRAIGHT			4	15827		115.90	84.30	63.10	47.70	39.90	36.10	33.60	31.10
NPSF 6" EXTENSION			4	17922		193.80	151.10	119.40	93.40	77.10	67.90	60.40	53.50
NPT/F CARB-I-SERT TAP			4	41808		400.00	363.10	329.30	306.10	285.70	275.70	264.60	256.10
NPT/F "COST CUTTER" DRILL/TAP			4	29043		103.50	100.70	98.70	97.10	94.20	92.30	88.90	85.00
NPT/F TiN COAT x 6"			4	50014		75.60	75.00	74.40	73.80	59.40	51.30	50.90	50.40
NPT/F TiN COAT/INT.THDX 6"			5	50015		83.30	82.50	81.60	81.00	68.00	58.70	55.20	54.70
NPT R.H. ROUND DIE 1-1/2"OD				13136		95.70	73.80	68.50	58.50	56.00	51.30	46.30	46.10
NPS R.H. ROUND DIE 1-1/2"OD				13138		142.80	118.70	78.30	68.80				
GAGE L1 NPT PLG w/hdle				24377		79.40							
GAGE L1 NPT RING				24375		143.60							
GAGE L1 NPTF PLG w/hdle				24442		121.20							
GAGE L3 NPTF PLG w/hdle				24444		121.20							
GAGE NPTF 6 step Plain Plug w/handle				24536		170.50							
GAGE L1 NPTF RING				24498		148.10							
GAGE L2 NPTF RING				24500		252.70							
GAGE NPTF 6 step Plain Ring				24570		276.70							
3/8"-19 55° WHITWORTH PIPE					<i>Recommended Hole Size: BSPT = .5781" / BSPP = .5938"</i>								
BSPT TAPER - MODIFIED			4	15830	15831	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BSPP PARALLEL - MODIFIED			4	15833	15834	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BSPT TAPER - FULL FORM			4	17934		76.30	76.30	76.30	76.30	73.80	70.70	70.50	69.40
BSPP PARALLEL - FULL FORM			4	17925		76.30	76.30	76.30	76.30	73.80	70.70	70.50	69.40
BSPT R.H. ROUND DIE 1-1/2"OD				13696		308.00							
BSPP R.H. ROUND DIE 1-1/2"OD				13697		108.80							
GAGE BSPP-Mod. DBL END w/handle				27047		295.00							
GAGE BSPT-Mod. w/handle				27008		236.80							
3/8"-20 NS					<i>Recommended Hole Size based on 75% Thread = .3265"</i>								
HAND TAP	3	3B	4	15838	15839	51.00	31.10	30.40	22.60	17.60	15.10	14.10	12.40
R.H. ROUND DIE 1"OD				13120		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
GAGE - Taperlock Style		2B		22197		158.40							
GAGE - Taperlock Style		3B		22198		158.40							
GAGE - Ring-Go		2A		22199		207.90							
GAGE - Ring-Go		3A		22200		207.90							
GAGE - Ring-NoGo		2A		22201		207.90							
GAGE - Ring-NoGo		3A		22202		207.90							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
3/8"-20 BSF 55° MOD WHITWORTH					<i>Recommended Hole Size = .327"</i>								
	3		4	17630	17631	130.40	94.70	67.00	44.70	34.40	25.60	20.90	17.90
3/8"-24 NF					<i>Recommended Hole Size based on 75% Thread = .3340" for STI = .3906" / TRU-FLO at 65% Thread = .3566"</i>								
REGULAR SPIRAL FLT	5		3	17724	17725	96.00	68.30	59.60	46.20	36.10	27.80	24.10	21.50
L.H. HAND TAP	3	3B	4	15843	15844	13.30	13.30	13.30	13.30	13.30	12.20	12.20	12.20
L.H. SPIRAL POINT	3	3B	3	15841		20.20	20.20	20.20	20.20	20.20	20.20	16.50	14.70
HAND TAP	5		4	15848	15849	98.00	75.00	52.90	34.40	24.40	19.40	15.70	14.00
HAND TAP	8		4	17915	17916	98.00	75.00	52.90	34.40	24.40	19.40	15.70	14.00
SPIRAL POINT	5		3	15846		99.20	76.50	54.30	35.90	25.90	20.80	16.80	15.40
+ .003 HAND TAP	7		4	15853	15854	98.00	75.00	52.90	34.40	24.40	19.40	15.70	14.00
+ .003 SPIRAL POINT	7		3	15851		99.20	76.50	54.30	35.90	25.90	20.80	16.80	15.40
+ .005 HAND TAP	11	PLATING	4	15858	15859	13.30	13.30	13.30	13.30	13.30	12.20	12.20	12.20
+ .005 SPIRAL POINT	11	PLATING	3	15856		13.80	13.80	13.80	13.80	13.80	12.50	12.50	12.50
4" EXT SP PT SM SHK	3	3B	3	17970		36.40	36.40	36.40	36.40	36.40	36.40	36.40	36.40
6" EXTENSION HAND TAP	3	3B	4	15863	15864	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
6" EXT SPIRAL POINT	3	3B	3	15861		27.30	27.30	27.30	27.30	27.30	27.30	27.30	27.30
"TRU-FLO" FORM TAP	5	3B	0	19100	19101	30.30	30.30	30.30	30.30	30.30	30.30	25.20	21.00
"TRU-FLO" FORM TAP	7	2B	0	19102	19103	30.30	30.30	30.30	30.30	30.30	30.30	25.20	21.00
"TRU-FLO" FORM TAP	10	PLATING	0	19104	19105	116.40	112.50	78.80	52.60	39.20	30.30	25.20	21.00
SOLID CARBIDE / HAND	3	3B	4	41476	41477	104.50	94.10	89.00	83.70	81.60	78.50	75.40	73.20
"COST CUTTER" DRILL/TAP	3	3B	2	29017		25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60
TIN COAT / + .003 HAND TAP	7		4		50016	101.50	78.40	56.70	37.80	28.10	23.10	19.30	17.60
STI HAND TAP	2	3B	4	17874	17875	29.00	29.00	23.40	21.30	21.30	21.30	21.20	20.90
STI SPIRAL POINT	2	3B	3	17876		31.10	31.10	25.50	23.40	23.40	23.40	23.20	23.10
STI HAND TAP	3	2B	4	17878	17879	29.00	29.00	23.40	21.30	21.30	21.30	21.20	20.90
STI SPIRAL POINT	3	2B	3	17880		31.10	31.10	25.50	23.40	23.40	23.40	23.20	23.10
R.H. ROUND DIE 1"OD				13122		34.90	34.90	34.90	29.70	28.30	25.90	25.00	24.80
L.H. ROUND DIE 1"OD				13123		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
GAGE - Taperlock Style		2B		23138		80.70							
GAGE - Taperlock Style		3B		23139		80.70							
GAGE - Reversible Style		2B		24314		117.40							
GAGE - Reversible Style		3B		24315		117.40							
GAGE - Ring-Go		2A		23512		107.10							
GAGE - Ring-Go		3A		23513		107.10							
GAGE - Ring-NoGo		2A		23514		107.10							
GAGE - Ring-NoGo		3A		23515		107.10							
GAGE - STI Plug Taperlock		2B		24702		118.80							
GAGE - STI Plug Taperlock		3B		24703		118.80							
GAGE - L.H. Taperlock Style		2B		22203		158.40							
GAGE - L.H. Taperlock Style		3B		22204		158.40							
GAGE - L.H. Reversible Style		2B		22205		196.90							
GAGE - L.H. Reversible Style		3B		22206		196.90							
GAGE - L.H. Ring-Go		2A		22207		207.90							
GAGE - L.H. Ring-NoGo		2A		22208		207.90							
GAGE - L.H. Ring-Go		3A		22209		207.90							
GAGE - L.H. Ring-NoGo		3A		22210		207.90							
3/8"-27 NS					<i>Recommended Hole Size based on 75% Thread = .339"</i>								
HAND TAP	3	3B	4	15868	15869	51.00	31.10	30.40	22.60	17.60	15.10	14.10	12.40
R.H. ROUND DIE 1"OD				13124		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
3/8"-28 NS					<i>Recommended Hole Size based on 75% Thread = .3403"</i>								
HAND TAP	3	3B	4	15873	15874	51.00	31.10	30.40	22.60	17.60	15.10	14.10	12.40
GAGE - Taperlock Style		2B		22211		170.50							
GAGE - Taperlock Style		3B		22212		170.50							
GAGE - Ring-Go		2A		22213		214.50							
GAGE - Ring-Go		3A		22214		214.50							
GAGE - Ring-NoGo		2A		22215		214.50							
GAGE - Ring-NoGo		3A		22216		214.50							
3/8"-32 NEF					<i>Recommended Hole Size based on 75% Thread = .3447"</i>								
HAND TAP	3	3B	4	15878	15879	12.10	12.10	12.10	12.10	10.10	8.70	7.90	7.90
SPIRAL POINT	3	3B	3	15876		38.40	25.60	18.70	15.50	15.00	13.00	12.30	12.20
HAND TAP	5		4	15883	15884	37.00	24.40	17.50	14.10	13.80	11.70	10.90	10.80
R.H. ROUND DIE 1"OD				13128		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
GAGE - Taperlock Style		2B		23143		153.90							
GAGE - Taperlock Style		3B		23144		153.90							
GAGE - Reversible Style		2B		24947		205.30							
GAGE - Reversible Style		3B		24948		205.30							
GAGE - Ring-Go		2A		23518		145.20							
GAGE - Ring-Go		3A		23519		145.20							
GAGE - Ring-NoGo		2A		23520		145.20							
GAGE - Ring-NoGo		3A		23521		145.20							
3/8"-40 NS					<i>Recommended Hole Size based on 75% Thread = .3508"</i>								
HAND TAP	2	3B	4	15888	15889	51.00	31.10	30.40	22.60	17.60	15.10	14.10	12.40
HAND TAP	3	2B	4	17615	17616	92.10	71.20	49.60	33.10	23.40	18.70	15.10	13.40
R.H. ROUND DIE 1"OD				13132		78.40	58.90	52.00	35.60	33.90	31.00	26.60	26.40
3/8"-48 NS					<i>Recommended Hole Size based on 75% Thread = .355"</i>								
HAND TAP	2	3B	4	15893	15894	92.10	71.20	49.60	33.10	23.40	18.70	15.10	13.40
13/32"-32 NS					<i>Recommended Hole Size based on 75% Thread = .3759"</i>								
HAND TAP	3	3B	4	15898	15899	94.40	75.50	52.70	37.00	27.40	22.40	18.00	16.20
7/16"-14 NC					<i>Recommended Hole Size based on 75% Thread = .3681" for STI = .4531" / TRU-FLO at 65% Thread = .4059"</i>								
L.H. HAND TAP	3	3B	4	15903	15904	18.70	18.70	18.70	18.70	18.70	17.60	17.60	17.60
L.H. SPIRAL POINT	3	3B	3	15901		94.40	75.50	52.70	37.00	27.40	22.40	20.00	19.00
+ .005 HAND TAP	11	PLATING	4	15908	15909	18.70	18.70	18.70	18.70	18.70	17.60	17.60	17.60
+ .005 SPIRAL POINT	11	PLATING	3	15906		19.90	19.90	19.90	19.90	19.90	18.40	18.40	18.40
6" EXTENSION HAND TAP	3	3B	4	15933	15934	53.90	53.90	53.90	49.20	45.10	43.30	36.70	30.30
6" EXT SPIRAL POINT	3	3B	3	15931		55.20	55.20	55.20	50.60	46.50	44.90	38.40	31.60
"TRU-FLO" FORM TAP	5	3B	0	19106	19107	34.50	34.50	34.50	34.50	34.50	34.50	29.30	23.80
"TRU-FLO" FORM TAP	8	2B	0	19108	19109	34.50	34.50	34.50	34.50	34.50	34.50	29.30	23.80
SOLID CARBIDE / HAND	3	3B	4	41520	41521	141.30	130.90	124.60	119.50	114.50	102.30	95.40	86.00
SOLID CARBIDE / SP PT	3	3B	3	41522		144.50	134.10	127.80	121.00	116.00	103.80	96.90	87.50
"COST CUTTER" DRILL/TAP	3	3B	2	29018		30.80	30.80	30.80	30.80	30.80	30.80	30.80	30.80
STI HAND TAP	3	3B	4	17882	17883	33.40	33.40	27.40	24.80	24.80	24.80	24.80	24.10
STI SPIRAL POINT	3	3B	3	17884		36.50	36.50	30.00	27.60	27.60	27.60	27.60	27.00
R.H. ROUND DIE 1-1/2"OD				13142		53.70	53.70	53.70	46.30	44.40	40.70	39.20	38.90
L.H. ROUND DIE 1-1/2"OD				13143		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		23148		80.70							
GAGE - Taperlock Style		3B		23149		80.70							

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BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
7/16"-14 NC					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - Reversible Style		2B		24319		118.80							
GAGE - Reversible Style		3B		24320		118.80							
GAGE - Ring-Go		2A		23524		107.10							
GAGE - Ring-Go		3A		23525		107.10							
GAGE - Ring-NoGo		2A		23526		107.10							
GAGE - Ring-NoGo		3A		23527		107.10							
GAGE - STI Plug Taperlock		2B		24707		121.80							
GAGE - STI Plug Taperlock		3B		24708		121.80							
GAGE - L.H. Taperlock Style		2B		22217		158.40							
GAGE - L.H. Taperlock Style		3B		22218		158.40							
GAGE - L.H. Reversible Style		2B		22219		196.90							
GAGE - L.H. Reversible Style		3B		22220		196.90							
GAGE - L.H. Ring-Go		2A		22221		207.90							
GAGE - L.H. Ring-NoGo		2A		22222		207.90							
GAGE - L.H. Ring-Go		3A		22223		207.90							
GAGE - L.H. Ring-NoGo		3A		22224		207.90							
7/16"-16 NS					<i>Recommended Hole Size based on 75% Thread = .3769"</i>								
HAND TAP	3	3B	4	15938	15939	62.00	36.70	36.40	25.20	20.20	17.90	17.60	17.60
R.H. ROUND DIE 1-1/2"OD				13144		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		22225		158.40							
GAGE - Taperlock Style		3B		22226		158.40							
GAGE - Ring-Go		2A		22227		207.90							
GAGE - Ring-Go		3A		22228		207.90							
GAGE - Ring-NoGo		2A		22229		207.90							
GAGE - Ring-NoGo		3A		22230		207.90							
7/16"-18 NS					<i>Recommended Hole Size based on 75% Thread = .3839"</i>								
HAND TAP	3	3B	4	15943	15944	62.00	36.70	36.40	25.20	20.20	17.90	17.60	17.60
R.H. ROUND DIE 1-1/2"OD				13146		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
7/16"-20 NF					<i>Recommended Hole Size based on 75% Thread = .389" for STI = .4531" / TRU-FLO at 65% Thread = .4154"</i>								
L.H. HAND TAP	3	3B	4	15948	15949	18.70	18.70	18.70	18.70	18.70	17.60	17.60	17.60
HAND TAP	6		4	17741	17742	94.40	75.50	52.70	37.00	27.40	22.40	18.00	17.60
+.005 HAND TAP	11	PLATING	4	15963	15964	18.70	18.70	18.70	18.70	18.70	17.60	17.60	17.60
+.005 SPIRAL POINT	11	PLATING	3	15961		19.90	19.90	19.90	19.90	19.90	18.40	18.40	18.40
6" PULLEY	3	3B	4	15968	15969	53.90	53.90	53.90	49.20	45.10	43.30	36.70	30.30
6" EXT HAND TAP	3	3B	4	15973	15974	53.90	53.90	53.90	49.20	45.10	43.30	36.70	30.30
6" EXT SPIRAL POINT	3	3B	3	15971		55.20	55.20	55.20	50.60	46.50	44.90	38.40	31.60
"TRU-FLO" FORM TAP	5	3B	0	19144	19145	34.50	34.50	34.50	34.50	34.50	34.50	29.30	23.80
"TRU-FLO" FORM TAP	8	2B	0	19146	19147	34.50	34.50	34.50	34.50	34.50	34.50	29.30	23.80
SOLID CARBIDE / HAND	3	3B	4	41524	41525	141.30	130.90	124.60	119.50	114.50	102.30	95.40	86.00
SOLID CARBIDE / SP PT	3	3B	3	41526		144.50	134.10	127.80	121.00	116.00	103.80	96.90	87.50
"COST CUTTER" DRILL/TAP	3	3B	2	29019		30.80	30.80	30.80	30.80	30.80	30.80	30.80	30.80
STI HAND TAP	3	3B	4	17886	17887	33.40	33.40	27.40	24.80	24.80	24.80	24.80	24.10
STI SPIRAL POINT	3	3B	3	17888		36.50	36.50	30.00	27.60	27.60	27.60	27.60	27.00
R.H. ROUND DIE 1-1/2"OD				13148		53.70	53.70	53.70	46.30	44.40	40.70	39.20	38.90
L.H. ROUND DIE 1-1/2"OD				13149		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		23153		80.70							
GAGE - Taperlock Style		3B		23154		80.70							
GAGE - Reversible Style		2B		24324		118.80							
GAGE - Reversible Style		3B		24325		118.80							

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BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
7/16"-20 NF					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - Ring-Go		2A		23530		107.10							
GAGE - Ring-Go		3A		23531		107.10							
GAGE - Ring-NoGo		2A		23532		107.10							
GAGE - Ring-NoGo		3A		23533		107.10							
GAGE - STI Plug Taperlock		2B		24712		121.80							
GAGE - STI Plug Taperlock		3B		24713		121.80							
GAGE - L.H. Taperlock Style		2B		22231		158.40							
GAGE - L.H. Taperlock Style		3B		22232		158.40							
GAGE - L.H. Reversible Style		2B		22233		196.90							
GAGE - L.H. Reversible Style		3B		22234		196.90							
GAGE - L.H. Ring-Go		2A		22235		207.90							
GAGE - L.H. Ring-NoGo		2A		22236		207.90							
GAGE - L.H. Ring-Go		3A		22237		207.90							
GAGE - L.H. Ring-NoGo		3A		22238		207.90							
7/16"-24 NS					<i>Recommended Hole Size based on 75% Thread = .3965"</i>								
HAND TAP	3	3B	4	15978	15979	62.00	36.70	36.40	25.20	20.20	17.90	17.60	17.60
HAND TAP	5	2B	4	15983	15984	94.40	75.50	52.70	37.00	27.40	22.40	18.00	17.60
R.H. ROUND DIE 1-1/2"OD				13150		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		22239		170.50							
GAGE - Taperlock Style		3B		22240		170.50							
GAGE - Ring-Go		2A		22241		220.00							
GAGE - Ring-Go		3A		22242		220.00							
GAGE - Ring-NoGo		2A		22243		220.00							
GAGE - Ring-NoGo		3A		22244		220.00							
7/16"-27 NS					<i>Recommended Hole Size based on 75% Thread = .4015"</i>								
HAND TAP	3	3B	4	15988	15989	62.00	36.70	36.40	25.20	20.20	17.90	17.60	17.60
R.H. ROUND DIE 1-1/2"OD				13152		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
7/16"-28 NEF					<i>Recommended Hole Size based on 75% Thread = .4028"</i>								
HAND TAP	3	3B	4	15993	15994	26.80	24.60	22.20	18.90	18.40	17.90	17.60	17.60
HAND TAP	5	2B	4	15998	15999	38.90	25.60	22.20	18.90	18.40	17.90	17.60	17.60
R.H. ROUND DIE 1-1/2"OD				13154		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		23158		159.70							
GAGE - Taperlock Style		3B		23159		159.70							
GAGE - Reversible Style		2B		24952		206.70							
GAGE - Reversible Style		3B		24953		206.70							
GAGE - Ring-Go		2A		23536		148.10							
GAGE - Ring-Go		3A		23537		148.10							
GAGE - Ring-NoGo		2A		23538		148.10							
GAGE - Ring-NoGo		3A		23539		148.10							
7/16"-32 NS					<i>Recommended Hole Size based on 75% Thread = .4072"</i>								
HAND TAP	3	3B	4	16003	16004	62.00	36.70	36.40	25.20	20.20	17.90	17.60	17.60
R.H. ROUND DIE 1-1/2"OD				13156		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		22245		170.50							
GAGE - Taperlock Style		3B		22246		170.50							
GAGE - Ring-Go		2A		22247		238.70							
GAGE - Ring-Go		3A		22248		238.70							
GAGE - Ring-NoGo		2A		22249		238.70							
GAGE - Ring-NoGo		3A		22250		238.70							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
7/16"-40 NS					<i>Recommended Hole Size based on 75% Thread = .4133"</i>								
HAND TAP	2	3B	4	16008	16009	62.00	36.70	36.40	25.20	20.20	17.90	17.60	17.60
R.H. ROUND DIE 1-1/2"OD				13158		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
15/32"-32 NS					<i>Recommended Hole Size based on 75% Thread = .4384"</i>								
HAND TAP	3	3B	6	16013	16014	95.50	77.80	56.40	39.50	29.80	25.00	20.00	18.00
SPIRAL POINT	3	3B	3	16011		97.40	79.60	58.20	41.70	31.80	26.80	22.10	19.90
R.H. ROUND DIE 1-1/2"OD				13160		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
1/2"-10 ACME					<i>Recommended Hole Size = .4000"</i>								
HAND TAP		2G	4	16017		116.80	92.60	66.60	57.20	48.70	35.10	34.30	31.70
L.H. HAND TAP		2G	4	16021		116.80	92.60	66.60	57.20	48.70	35.10	34.30	31.70
TANDEM		2G	4	16023		143.80	126.90	104.50	89.20	83.90	80.40	66.60	60.20
L.H. TANDEM		2G	4	16024		172.30	150.30	123.80	103.10	95.90	92.40	79.20	72.30
1/2"-12 NS					<i>Recommended Hole Size based on 75% Thread = .4192"</i>								
HAND TAP	3	3B	4	16028	16029	65.60	38.90	38.00	28.10	22.70	20.20	20.00	19.40
R.H. ROUND DIE 1-1/2"OD				13162		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
1/2"-12 BSW 55° MOD WHITWORTH					<i>Recommended Hole Size = .4200"</i>								
	3		4	16033	16034	138.20	102.40	73.20	50.90	38.90	31.70	26.60	23.10
1/2"-13 NC					<i>Recommended Hole Size based on 75% Thread = .4251" for STI = .5312" / TRU-FLO at 65% Thread = .4660"</i>								
L.H. HAND TAP	3	3B	4	16038	16039	22.10	22.10	22.10	20.00	20.00	20.00	20.00	19.40
L.H. SPIRAL POINT	3	3B	3	16036		24.10	24.10	24.10	22.10	22.10	22.10	22.10	21.30
+ .003 HAND TAP	7		4	16043	16044	72.10	57.00	41.80	29.70	23.90	20.20	20.00	19.40
+ .005 HAND TAP	11	PLATING	4	16048	16049	22.10	22.10	22.10	20.00	20.00	20.00	20.00	19.40
+ .005 SPIRAL POINT	11	PLATING	3	16046		24.10	24.10	24.10	22.10	22.10	22.10	22.10	21.30
+ .010 HAND TAP	21		4	16053	16054	111.80	80.10	58.00	39.50	29.80	25.00	20.00	19.40
DOUBLE LEAD	3	3B	4	16058	16059	142.10	107.30	77.60	54.80	41.60	34.80	34.00	28.80
6" EXTENSION HAND TAP	3	3B	4	16083	16084	33.20	33.20	33.20	33.20	33.20	33.20	33.20	33.20
6" EXT SPIRAL POINT	3	3B	3	16081		35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
8" EXTENSION HAND TAP	3	3B	4	17973	17974	67.20	67.20	67.20	67.20	67.20	67.20	67.20	67.20
10" EXTENSION HAND TAP	3	3B	4	17978	17979	80.70	80.70	80.70	80.70	80.70	80.70	80.70	80.70
12" EXTENSION HAND TAP	3	3B	4	17983	17984	101.00	101.00	101.00	101.00	101.00	101.00	101.00	101.00
"TRU-FLO" FORM TAP	5	3B	0	19110	19111	38.60	38.60	38.60	38.60	38.60	38.60	32.00	27.70
"TRU-FLO" FORM TAP	8	2B	0	19112	19113	38.60	38.60	38.60	38.60	38.60	38.60	32.00	27.70
SOLID CARBIDE / HAND	3	3B	4	41528	41529	158.60	158.60	158.60	153.40	139.00	136.80	127.80	126.50
SOLID CARBIDE / SP PT	3	3B	3	41530		161.80	161.80	161.80	154.90	140.50	138.30	129.30	128.00
"COST CUTTER" DRILL/TAP	3	3B	2	29020		34.80	34.80	34.80	34.80	34.80	34.80	34.80	34.80
TIN COAT/SP PT+.005	11	PLATING	3	50017		28.90	28.90	28.90	26.60	26.60	26.60	26.60	26.00
TIN COAT HAND x 6"	3	3B	4	50019		40.40	40.40	40.40	40.40	40.40	40.40	40.40	40.40
TIN COAT/SP PT x 6"	3	3B	3	50018		42.60	42.60	42.60	42.60	42.60	42.60	42.60	42.60
STI HAND TAP	3	3B	4	17890	17891	39.20	39.20	35.00	31.80	31.80	31.80	31.10	29.70
STI SPIRAL POINT	3	3B	3	17892		42.10	42.10	37.70	34.80	34.80	34.80	34.20	32.60
R.H. ROUND DIE 1-1/2"OD				13164		53.70	53.70	53.70	46.30	44.40	40.70	39.20	38.90
L.H. ROUND DIE 1-1/2"OD				13165		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		23163		83.50							
GAGE - Taperlock Style		3B		23164		83.50							
GAGE - Reversible Style		2B		24329		124.70							
GAGE - Reversible Style		3B		24330		124.70							
GAGE - Ring-Go		2A		23542		112.90							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
1/2"-13 NC					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - Ring-Go		3A		23543		112.90							
GAGE - Ring-NoGo		2A		23544		112.90							
GAGE - Ring-NoGo		3A		23545		112.90							
GAGE - STI Plug Taperlock		2B		24717		136.40							
GAGE - STI Plug Taperlock		3B		24718		136.40							
GAGE - L.H. Taperlock Style		2B		22251		158.40							
GAGE - L.H. Taperlock Style		3B		22252		158.40							
GAGE - L.H. Reversible Style		2B		22253		200.20							
GAGE - L.H. Reversible Style		3B		22254		200.20							
GAGE - L.H. Ring-Go		2A		22255		207.90							
GAGE - L.H. Ring-NoGo		2A		22256		207.90							
GAGE - L.H. Ring-Go		3A		22257		207.90							
GAGE - L.H. Ring-NoGo		3A		22258		207.90							
1/2"-14 PIPE TAP NPSI NPSF NPT/F NPS					<i>Recommended Hole Size: NPT/NPTF = .703" NPSF/NPSI = .7188"</i>								
NPT/F REG. SPR FLT TAPER			4	16086		75.50	75.50	75.50	75.50	75.50	69.60	68.60	65.30
NPT/F LEFT HAND TAPER			4	16089		103.10	87.60	71.80	60.40	53.50	44.60	43.50	40.20
NPT/F 6" EXT TAPER			4	16092		81.00	80.60	79.90	77.80	73.90	70.60	66.20	60.60
NPT/F 6" EXT INT TAPER			5	16095		90.50	89.70	88.90	88.00	79.00	72.70	70.80	67.80
NPSF EXT x 6"			4	17720		103.40	102.60	101.60	100.00	84.60	80.70	77.80	73.60
NPT/F 8" EXT TAPER			4	16098		103.40	102.60	101.60	100.00	85.50	82.00	81.20	74.00
NPT/F 10" EXT TAPER			4	17987		124.00	124.00	124.00	124.00	124.00	124.00	124.00	124.00
NPT/F CARB-I-SERT TAP			4	41809		414.80	378.80	355.40	328.80	320.20	305.30	288.10	284.10
NPT/F "COST CUTTER" DRILL/TAP			4	29044		153.30	149.30	146.50	143.80	139.50	137.00	131.30	127.90
NPSI STRAIGHT			4	16104		103.10	87.60	71.80	60.40	53.50	44.60	43.50	37.70
NPT R.H. ROUND DIE 2"OD				13184		112.60	94.40	88.60	68.60	68.60	68.60	68.60	68.60
NPS R.H. ROUND DIE 2"OD				13186		223.20	188.20	118.30	102.90				
GAGE L1 NPT PLG w/hdle				24380		91.20							
GAGE L1 NPT RING				24378		159.90							
GAGE L1 NPTF PLG w/hdle				24450		134.50							
GAGE L3 NPTF PLG w/hdle				24452		134.50							
GAGE NPTF 6 step Plain Plug w/handle				24540		172.00							
GAGE L1 NPTF RING				24502		166.00							
GAGE L2 NPTF RING				24504		263.20							
GAGE NPTF 6 step Plain Ring				24574		276.70							
1/2"-14 55° WHITWORTH PIPE					<i>Recommended Hole Size: BSPT = .7188" / BSPP = .7344"</i>								
BSPT TAPER - MODIFIED			4	16107	16108	48.50	48.50	48.50	48.50	48.50	48.50	48.50	48.50
BSPP PARALLEL - MODIFIED			4	16110	16111	48.50	48.50	48.50	48.50	48.50	48.50	48.50	48.50
BSPT TAPER - FULL FORM			4	17935		118.50	118.50	118.50	118.50	98.50	83.90	64.90	57.30
BSPP PARALLEL - FULL FORM			4	17926		118.50	118.50	118.50	118.50	98.50	83.90	64.90	57.30
BSPT FULL FORM DIE 2"OD				13698		378.10							
BSPP FULL FORM DIE 2"OD				13699		161.30							
GAGE BSPT-Mod. w/handle				27011		259.20							
GAGE BSPP-Mod. DBL END w/handle				27050		307.00							
1/2"-14 NS					<i>Recommended Hole Size based on 75% Thread = .4306"</i>								
HAND TAP	3	3B	4	16115	16116	65.60	38.90	38.00	28.10	22.70	20.20	20.00	19.40
R.H. ROUND DIE 1-1/2"OD				13166		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90

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BACK TO INDEX

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1/2"-16 NS					<i>Recommended Hole Size based on 75% Thread = .4394"</i>								
HAND TAP	3	3B	4	16120	16121	65.60	38.90	38.00	28.10	22.70	20.20	20.00	19.40
R.H. ROUND DIE 1-1/2"OD				13168		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		22259		158.40							
GAGE - Taperlock Style		3B		22260		158.40							
GAGE - Ring-Go		2A		22261		207.90							
GAGE - Ring-Go		3A		22262		207.90							
GAGE - Ring-NoGo		2A		22263		207.90							
GAGE - Ring-NoGo		3A		22264		207.90							
1/2"-18 NS					<i>Recommended Hole Size based on 75% Thread = .4464"</i>								
HAND TAP	3	3B	4	16125	16126	65.60	38.90	38.00	28.10	22.70	20.20	20.00	19.40
R.H. ROUND DIE 1-1/2"OD				13170		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
1/2"-20 NF					<i>Recommended Hole Size based on 75% Thread = .4515" for STI = .5156" / TRU-FLO at 65% Thread = .4779"</i>								
L.H. HAND TAP	3	3B	4	16130	16131	22.10	22.10	22.10	20.00	20.00	20.00	20.00	19.40
L.H. SPIRAL POINT	3	3B	3	16128		26.30	26.30	26.30	26.30	25.10	25.10	22.10	21.30
HAND TAP	5	2B	4		17634	111.80	80.10	58.00	39.50	29.80	25.00	20.00	19.40
+ .003 HAND TAP	7		4	16135	16136	73.90	58.40	42.90	30.30	24.40	21.30	20.00	19.40
+ .005 HAND TAP	11	PLATING	4	16140	16141	22.10	22.10	22.10	20.00	20.00	20.00	20.00	19.40
+ .005 SPIRAL POINT	11	PLATING	3	16138		24.10	24.10	24.10	22.10	22.10	22.10	22.10	21.30
6" PULLEY	3	3B	4	16145	16146	41.30	41.30	41.30	41.30	41.30	41.30	41.30	41.30
6" EXTENSION HAND TAP	3	3B	4	16150	16151	33.20	33.20	33.20	33.20	33.20	33.20	33.20	33.20
6" EXT SPIRAL POINT	3	3B	3	16148		35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
"TRU-FLO" FORM TAP	5	3B	0	19114	19115	38.60	38.60	38.60	38.60	38.60	38.60	32.00	27.70
"TRU-FLO" FORM TAP	8	2B	0	19116	19117	38.60	38.60	38.60	38.60	38.60	38.60	32.00	27.70
"TRU-FLO" FORM TAP	10	PLATING	0	19118	19119	127.90	120.90	86.80	61.30	48.50	38.60	32.00	27.70
SOLID CARBIDE / HAND	3	3B	4	41532	41533	163.60	163.60	163.60	158.40	144.00	141.80	132.80	131.50
SOLID CARBIDE / SP PT	3	3B	3	41534		166.80	166.80	166.80	159.90	145.50	143.30	134.30	133.00
"COST CUTTER" DRILL/TAP	3	3B	2	29022		34.80	34.80	34.80	34.80	34.80	34.80	34.80	34.80
STI HAND TAP	3	3B	4	17894	17895	39.20	39.20	35.00	31.80	31.80	31.80	31.10	29.70
STI SPIRAL POINT	3	3B	3	17896		42.10	42.10	37.70	34.80	34.80	34.80	34.20	32.60
R.H. ROUND DIE 1-1/2"OD				13172		53.70	53.70	53.70	46.30	44.40	40.70	39.20	38.90
L.H. ROUND DIE 1-1/2"OD				13173		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		23168		83.50							
GAGE - Taperlock Style		3B		23169		83.50							
GAGE - Reversible Style		2B		24334		124.70							
GAGE - Reversible Style		3B		24335		124.70							
GAGE - Ring-Go		2A		23548		112.90							
GAGE - Ring-Go		3A		23549		112.90							
GAGE - Ring-NoGo		2A		23550		112.90							
GAGE - Ring-NoGo		3A		23551		112.90							
GAGE - STI Plug Taperlock		2B		24722		136.40							
GAGE - STI Plug Taperlock		3B		24723		136.40							
GAGE - L.H. Taperlock Style		2B		22265		158.40							
GAGE - L.H. Taperlock Style		3B		22266		158.40							
GAGE - L.H. Reversible Style		2B		22267		200.20							
GAGE - L.H. Reversible Style		3B		22268		200.20							
GAGE - L.H. Ring-Go		2A		22269		207.90							
GAGE - L.H. Ring-NoGo		2A		22270		207.90							
GAGE - L.H. Ring-Go		3A		22271		207.90							
GAGE - L.H. Ring-NoGo		3A		22272		207.90							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

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1/2"-24 NS						<i>Recommended Hole Size based on 75% Thread = .459"</i>							
HAND TAP	3	3B	4	16155	16156	65.60	38.90	38.00	28.10	22.70	20.20	20.00	19.40
R.H. ROUND DIE 1-1/2"OD				13174		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
1/2"-27 NS						<i>Recommended Hole Size based on 75% Thread = .464"</i>							
HAND TAP	3	3B	4	16160	16161	65.60	38.90	38.00	28.10	22.70	20.20	20.00	19.40
R.H. ROUND DIE 1-1/2"OD				13176		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
1/2"-28 NEF						<i>Recommended Hole Size based on 75% Thread = .4653"</i>							
HAND TAP	3	3B	4	16165	16166	28.90	26.60	21.80	16.20	13.90	12.90	12.70	12.70
SPIRAL POINT	3	3B	3	16163		30.90	28.60	26.40	20.00	19.40	18.30	18.00	17.30
HAND TAP	5	2B	4	16170	16171	31.50	27.80	21.80	20.60	19.80	18.40	18.20	17.90
R.H. ROUND DIE 1-1/2"OD				13178		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		23173		156.90							
GAGE - Taperlock Style		3B		23174		156.90							
GAGE - Reversible Style		2B		24957		218.50							
GAGE - Reversible Style		3B		24958		218.50							
GAGE - Ring-Go		2A		23554		149.60							
GAGE - Ring-Go		3A		23555		149.60							
GAGE - Ring-NoGo		2A		23556		149.60							
GAGE - Ring-NoGo		3A		23557		149.60							
1/2"-32 NS						<i>Recommended Hole Size based on 75% Thread = .4697"</i>							
HAND TAP	3	3B	6	16175	16176	65.60	38.90	38.00	28.10	22.70	20.20	20.00	19.40
R.H. ROUND DIE 1-1/2"OD				13180		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		22273		182.60							
GAGE - Taperlock Style		3B		22274		182.60							
GAGE - Ring-Go		2A		22275		238.70							
GAGE - Ring-Go		3A		22276		238.70							
GAGE - Ring-NoGo		2A		22277		238.70							
GAGE - Ring-NoGo		3A		22278		238.70							
1/2"-40 NS						<i>Recommended Hole Size based on 75% Thread = .4758"</i>							
HAND TAP	2	3B	6	16180	16181	65.60	38.90	38.00	28.10	22.70	20.20	20.00	19.40
R.H. ROUND DIE 1-1/2"OD				13182		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
33/64"-13 NS						<i>Recommended Hole Size based on 75% Thread = .4407"</i>							
HAND TAP	3	3B	4	16185	16186	111.80	80.10	58.00	39.50	29.80	25.00	20.00	19.40
9/16"-12 NC						<i>Recommended Hole Size based on 75% Thread = .4817"</i> <i>TRU-FLO at 65% Thread = .5257"</i>							
L.H. HAND TAP	3	3B	4	16190	16191	29.70	29.70	25.50	25.50	25.50	25.50	25.50	25.10
SPIRAL POINT	3	3B	3	18331		30.80	30.80	28.20	28.20	28.20	28.20	28.20	27.60
6" EXTENSION HAND TAP	3	3B	4	17653	17654	77.80	76.50	75.60	52.60	48.80	44.90	41.30	37.50
"TRU-FLO" FORM TAP	7	3B	0	19120	19121	41.80	41.80	41.80	41.80	41.80	41.80	35.30	31.50
"TRU-FLO" FORM TAP	10	2B	0	19122	19123	41.80	41.80	41.80	41.80	41.80	41.80	35.30	31.50
CARB-I-SERT TAP	3	3B	4	41540	41541	271.30	271.30	271.30	249.40	245.30	237.60	235.70	230.10
R.H. ROUND DIE 1-1/2"OD				13188		53.70	53.70	53.70	46.30	44.40	40.70	39.20	38.90
L.H. ROUND DIE 1-1/2"OD				13189		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		23178		107.10							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
9/16"-12 NC					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - Taperlock Style		3B		23179		107.10							
GAGE - Reversible Style		2B		24339		137.80							
GAGE - Reversible Style		3B		24340		137.80							
GAGE - Ring-Go		2A		23560		126.10							
GAGE - Ring-Go		3A		23561		126.10							
GAGE - Ring-NoGo		2A		23562		126.10							
GAGE - Ring-NoGo		3A		23563		126.10							
GAGE - STI Plug Taperlock		2B		22279		121.00							
GAGE - STI Plug Taperlock		3B		22280		121.00							
GAGE - L.H. Taperlock Style		2B		22281		158.40							
GAGE - L.H. Taperlock Style		3B		22282		158.40							
GAGE - L.H. Reversible Style		2B		22283		202.40							
GAGE - L.H. Reversible Style		3B		22284		202.40							
GAGE - L.H. Ring-Go		2A		22285		214.00							
GAGE - L.H. Ring-NoGo		2A		22286		214.00							
GAGE - L.H. Ring-Go		3A		22287		214.00							
GAGE - L.H. Ring-NoGo		3A		22288		214.00							

9/16"-16 NS					<i>Recommended Hole Size based on 75% Thread = .5019"</i>								
HAND TAP	3	3B	4	16200	16201	72.80	42.00	41.70	29.80	27.00	25.90	25.50	25.10
R.H. ROUND DIE 1-1/2"OD				13190		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		22289		146.30							
GAGE - Taperlock Style		3B		22290		146.30							
GAGE - Ring-Go		2A		22291		214.50							
GAGE - Ring-Go		3A		22292		214.50							
GAGE - Ring-NoGo		2A		22293		214.50							
GAGE - Ring-NoGo		3A		22294		214.50							

9/16"-18 NF					<i>Recommended Hole Size based on 75% Thread = .5089" TRU-FLO at 65% Thread = .5379"</i>								
L.H. HAND TAP	3	3B	4	16205	16206	28.10	28.10	25.50	25.50	25.50	25.50	25.50	25.10
SPIRAL POINT	3	3B	3	18337		30.80	30.80	28.20	28.20	28.20	28.20	28.20	27.60
HAND TAP	5	2B	4	18375	17769	97.80	70.70	52.90	40.30	35.20	25.90	24.20	23.90
SPIRAL POINT	5	2B	3	17655		105.60	77.00	58.20	45.00	39.80	29.70	28.10	27.60
+.005 HAND TAP	11	PLATING	4	16215	16216	102.90	74.40	55.60	42.40	37.10	27.30	25.50	25.10
+.005 SPIRAL POINT	11	PLATING	3	16213		105.60	77.00	58.20	45.00	39.80	29.70	28.10	27.60
6" EXTENSION HAND TAP	3	3B	4	16220	16221	77.80	76.50	75.60	52.60	48.80	44.70	41.30	37.50
"TRU-FLO" FORM TAP	7	3B	0	19124	19125	41.80	41.80	41.80	41.80	41.80	41.80	35.30	31.50
"TRU-FLO" FORM TAP	10	2B	0	19126	19127	41.80	41.80	41.80	41.80	41.80	41.80	35.30	31.50
CARB-I-SERT TAP	3	3B	4	41543	41544	271.30	271.30	271.30	249.40	245.30	237.60	235.70	230.10
R.H. ROUND DIE 1-1/2"OD				13192		53.70	53.70	53.70	46.30	44.40	40.70	39.20	38.90
L.H. ROUND DIE 1-1/2"OD				13193		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		23183		107.10							
GAGE - Taperlock Style		3B		23184		107.10							
GAGE - Reversible Style		2B		24344		137.80							
GAGE - Reversible Style		3B		24345		137.80							
GAGE - Ring-Go		2A		23566		126.10							
GAGE - Ring-Go		3A		23567		126.10							
GAGE - Ring-NoGo		2A		23568		126.10							
GAGE - Ring-NoGo		3A		23569		126.10							
GAGE - STI Plug Taperlock		2B		22295		118.80							
GAGE - STI Plug Taperlock		3B		22296		118.80							
GAGE - L.H. Taperlock Style		2B		22297		158.40							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
9/16"-18 NF					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - L.H. Taperlock Style		3B		22298		158.40							
GAGE - L.H. Reversible Style		2B		22299		202.40							
GAGE - L.H. Reversible Style		3B		22300		202.40							
GAGE - L.H. Ring-Go		2A		22301		220.00							
GAGE - L.H. Ring-NoGo		2A		22302		220.00							
GAGE - L.H. Ring-Go		3A		22303		220.00							
GAGE - L.H. Ring-NoGo		3A		22304		220.00							
9/16"-20 NS					<i>Recommended Hole Size based on 75% Thread = .514"</i>								
HAND TAP	3	3B	4	16225	16226	72.80	42.00	41.70	29.80	27.00	25.90	25.50	25.10
SPIRAL POINT	3	3B	3	16223		105.60	77.00	58.20	45.00	39.80	29.70	28.10	27.60
R.H. ROUND DIE 1-1/2"OD				13194		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		22305		158.40							
GAGE - Taperlock Style		3B		22306		158.40							
GAGE - Ring-Go		2A		22307		220.00							
GAGE - Ring-Go		3A		22308		220.00							
GAGE - Ring-NoGo		2A		22309		220.00							
GAGE - Ring-NoGo		3A		22310		220.00							
9/16"-24 NEF					<i>Recommended Hole Size based on 75% Thread = .5215"</i>								
HAND TAP	3	3B	4	16230	16231	31.80	27.80	23.90	18.00	16.50	15.70	15.40	15.20
HAND TAP	5	2B	4	16235	16236	44.00	32.60	24.60	20.50	19.40	17.60	16.40	16.20
R.H. ROUND DIE 1-1/2"OD				13196		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		23188		159.70							
GAGE - Taperlock Style		3B		23189		159.70							
GAGE - Reversible Style		2B		24962		243.30							
GAGE - Reversible Style		3B		24963		243.30							
GAGE - Ring-Go		2A		23572		155.50							
GAGE - Ring-Go		3A		23573		155.50							
GAGE - Ring-NoGo		2A		23574		155.50							
GAGE - Ring-NoGo		3A		23575		155.50							
9/16"-27 NS					<i>Recommended Hole Size based on 75% Thread = .5265"</i>								
HAND TAP	3	3B	6	16240	16241	72.80	42.00	41.70	29.80	27.30	25.90	25.50	25.10
R.H. ROUND DIE 1-1/2"OD				13198		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
9/16"-32 NS					<i>Recommended Hole Size based on 75% Thread = .5322"</i>								
HAND TAP	3	3B	6	16245	16246	72.80	42.00	41.70	29.80	27.30	25.90	25.50	25.10
R.H. ROUND DIE 1-1/2"OD				13200		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		22311		194.70							
GAGE - Taperlock Style		3B		22312		194.70							
GAGE - Ring-Go		2A		22313		245.30							
GAGE - Ring-Go		3A		22314		245.30							
GAGE - Ring-NoGo		2A		22315		245.30							
GAGE - Ring-NoGo		3A		22316		245.30							
5/8"-8 ACME					<i>Recommended Hole Size = .5000"</i>								
HAND TAP		2G	4	16249		136.60	106.80	76.60	61.10	56.10	43.50	42.40	39.30
L.H. HAND TAP		2G	4	16253		136.60	106.80	76.60	61.10	56.10	43.50	42.40	39.30
TANDEM		2G	4	16255		166.50	148.30	121.70	110.10	103.50	99.10	85.90	75.90
L.H. TANDEM		2G	4	16256		192.10	171.20	141.60	127.90	120.90	116.90	97.20	88.60

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BACK TO INDEX

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5/8"-11 NC					<i>Recommended Hole Size based on 75% Thread = .5365" TRU-FLO at 65% Thread = .5848"</i>								
REGULAR SPIRAL FLUTE	3	3B	4	16284	16285	125.40	97.40	73.70	57.20	45.80	39.90	35.60	30.90
FAST SPIRAL FLUTE	3	3B	4	17717	17718	125.40	97.40	73.70	57.20	45.80	39.90	35.60	30.90
L.H. HAND TAP	3	3B	4	16270	16271	28.80	28.80	26.10	26.10	26.10	26.10	26.10	25.30
L.H. SPIRAL POINT	3	3B	3	16268		35.30	35.30	32.90	32.90	32.90	32.90	32.90	32.90
+ .005 HAND TAP	11	PLATING	4	16275	16276	28.80	28.80	26.10	26.10	26.10	26.10	26.10	25.30
+ .005 SPIRAL POINT	11	PLATING	3	16273		31.60	31.60	29.00	29.00	29.00	29.00	29.00	28.10
+ .010 HAND TAP	21		4	16280	16281	115.20	81.30	59.50	46.00	34.50	28.80	26.70	25.30
6" EXTENSION HAND TAP	3	3B	4	16309	16310	83.50	81.70	80.60	57.10	52.90	50.60	47.20	44.00
6" EXT SPIRAL POINT	3	3B	3	16307		86.50	84.60	83.50	59.80	55.90	53.80	50.10	46.50
8" EXTENSION HAND TAP	3	3B	4	16314	16315	100.20	98.50	95.90	73.70	69.10	68.30	64.60	62.00
10" EXTENSION HAND TAP	3	3B	4	17991	17992	106.20	106.20	106.20	106.20	106.20	106.20	106.20	106.20
12" EXTENSION HAND TAP	3	3B	4	17996	17997	132.70	132.70	132.70	132.70	132.70	132.70	132.70	132.70
"TRU-FLO" FORM TAP	7	3B	0	19128	19129	48.60	48.60	48.60	48.60	48.60	48.60	42.00	38.50
"TRU-FLO" FORM TAP	10	2B	0	19130	19131	48.60	48.60	48.60	48.60	48.60	48.60	42.00	38.50
"COST CUTTER" DRILL/TAP	3	3B	4	29036		108.60	106.80	104.80	80.60	75.60	68.30	65.80	60.40
CARB-I-SERT TAP	3	3B	4	41546	41547	320.20	320.20	320.20	303.60	292.80	272.60	256.90	253.60
TIN COAT/SP PT x 6"	3	3B	3	50020		97.40	95.60	94.40	70.70	66.40	64.40	60.70	57.30
R.H. ROUND DIE 1-1/2"OD				13204		53.70	53.70	53.70	46.30	44.40	40.70	39.20	38.90
L.H. ROUND DIE 1-1/2"OD				13205		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		23193		104.10							
GAGE - Taperlock Style		3B		23194		104.10							
GAGE - Reversible Style		2B		24349		149.60							
GAGE - Reversible Style		3B		24350		149.60							
GAGE - Ring-Go		2A		23578		126.10							
GAGE - Ring-Go		3A		23579		126.10							
GAGE - Ring-NoGo		2A		23580		126.10							
GAGE - Ring-NoGo		3A		23581		126.10							
GAGE - STI Plug Taperlock		2B		24737		165.80							
GAGE - STI Plug Taperlock		3B		24738		165.80							
GAGE - L.H. Taperlock Style		2B		22317		184.80							
GAGE - L.H. Taperlock Style		3B		22318		184.80							
GAGE - L.H. Ring-Go		2A		22319		220.00							
GAGE - L.H. Ring-NoGo		2A		22320		220.00							
GAGE - L.H. Ring-Go		3A		22321		220.00							
GAGE - L.H. Ring-NoGo		3A		22322		220.00							
5/8"-11 BSW 55° MOD WHITWORTH					<i>Recommended Hole Size = .5377"</i>								
	3		4	16265	16266	146.50	110.10	81.00	61.20	51.30	41.60	35.80	32.60
5/8"-12 NS					<i>Recommended Hole Size based on 75% Thread = .5442"</i>								
HAND TAP	3	3B	4	16320	16321	78.20	47.70	47.20	36.00	29.80	26.70	26.10	25.30
GAGE - Taperlock Style		2B		22323		158.40							
GAGE - Taperlock Style		3B		22324		158.40							
GAGE - Ring-Go		2A		22325		220.00							
GAGE - Ring-Go		3A		22326		220.00							
GAGE - Ring-NoGo		2A		22327		220.00							
GAGE - Ring-NoGo		3A		22328		220.00							
5/8"-16 NS					<i>Recommended Hole Size based on 75% Thread = .5644"</i>								
HAND TAP	3	3B	4	16325	16326	78.20	47.70	47.20	36.00	29.80	26.70	26.10	25.30
GAGE - Taperlock Style		2B		22329		158.40							
GAGE - Taperlock Style		3B		22330		158.40							

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BACK TO INDEX

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5/8"-16 NS					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - Ring-Go		2A		22331		220.00							
GAGE - Ring-Go		3A		22332		220.00							
GAGE - Ring-NoGo		2A		22333		220.00							
GAGE - Ring-NoGo		3A		22334		220.00							

5/8"-18 NF					<i>Recommended Hole Size based on 75% Thread = .5714" TRU-FLO at 65% Thread = .6004"</i>								
REGULAR SPIRAL FLUTE	3	3B	4	16339	16340	125.40	97.40	73.70	57.20	45.80	39.90	35.60	30.90
FAST SPIRAL FLUTE	3	3B	4	17727	17728	125.40	97.40	73.70	57.20	45.80	39.90	35.60	30.90
L.H. HAND TAP	3	3B	4	16330	16331	28.80	28.80	26.10	26.10	26.10	26.10	26.10	25.30
SPIRAL POINT	3	3B	3	18353		117.90	84.30	62.40	48.70	37.40	31.70	28.80	28.10
SPIRAL POINT	5	2B	3	17683		117.90	84.30	62.40	48.70	37.40	31.70	28.80	28.10
+ .003 HAND TAP	7		4	17681	17682	115.20	81.30	59.50	46.00	34.50	28.80	26.10	25.30
HAND TAP	8		4	17904	17905	115.20	81.30	59.50	46.00	34.50	28.80	26.10	25.30
+ .005 HAND TAP	11	PLATING	4	16335	16336	28.80	28.80	26.10	26.10	26.10	26.10	26.10	25.30
6" EXTENSION HAND TAP	3	3B	4	16344	16345	83.50	81.70	80.60	57.10	52.90	50.60	47.20	44.00
"TRU-FLO" FORM TAP	7	3B	0	19132	19133	48.60	48.60	48.60	48.60	48.60	48.60	42.00	38.50
"TRU-FLO" FORM TAP	10	2B	0	19134	19135	48.60	48.60	48.60	48.60	48.60	48.60	42.00	38.50
CARB-I-SERT TAP	3	3B	4	41549	41550	320.20	320.20	320.20	303.60	292.80	272.60	256.90	253.60
TIN COAT/FAST SP FLT	3	3B	4		50032	133.40	105.20	81.50	65.20	53.80	47.90	43.30	38.90
TIN COAT/SP PT	5	2B	3	50028		125.60	92.20	70.20	56.80	45.30	39.50	36.60	36.60
R.H. ROUND DIE 1-1/2"OD				13212		53.70	53.70	53.70	46.30	44.40	40.70	39.20	38.90
L.H. ROUND DIE 1-1/2"OD				13213		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		23198		104.10							
GAGE - Taperlock Style		3B		23199		104.10							
GAGE - Reversible Style		2B		24354		149.60							
GAGE - Reversible Style		3B		24355		149.60							
GAGE - Ring-Go		2A		23584		126.10							
GAGE - Ring-Go		3A		23585		126.10							
GAGE - Ring-NoGo		2A		23586		126.10							
GAGE - Ring-NoGo		3A		23587		126.10							
GAGE - STI Plug Taperlock		2B		24742		165.80							
GAGE - STI Plug Taperlock		3B		24743		165.80							
GAGE - L.H. Taperlock Style		2B		22335		168.30							
GAGE - L.H. Taperlock Style		3B		22336		168.30							
GAGE - L.H. Reversible Style		2B		22337		214.50							
GAGE - L.H. Reversible Style		3B		22338		214.50							
GAGE - L.H. Ring-Go		2A		22339		220.00							
GAGE - L.H. Ring-NoGo		2A		22340		220.00							
GAGE - L.H. Ring-Go		3A		22341		220.00							
GAGE - L.H. Ring-NoGo		3A		22342		220.00							

5/8"-20 NS					<i>Recommended Hole Size based on 75% Thread = .5765"</i>								
HAND TAP	3	3B	4	16349	16350	78.20	47.70	47.20	36.00	29.80	26.70	26.10	25.30
R.H. ROUND DIE 1-1/2"OD				13214		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		22343		170.50							
GAGE - Taperlock Style		3B		22344		170.50							
GAGE - Ring-Go		2A		22345		220.00							
GAGE - Ring-Go		3A		22346		220.00							
GAGE - Ring-NoGo		2A		22347		220.00							
GAGE - Ring-NoGo		3A		22348		220.00							
GAGE - L.H. Taperlock Style		2B		22349		168.30							
GAGE - L.H. Taperlock Style		3B		22350		168.30							

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BACK TO INDEX

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5/8"-20 NS					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - L.H. Ring-Go		2A		22351		220.00							
GAGE - L.H. Ring-NoGo		2A		22352		220.00							
GAGE - L.H. Ring-Go		3A		22353		220.00							
GAGE - L.H. Ring-NoGo		3A		22354		220.00							
5/8"-24 NEF					<i>Recommended Hole Size based on 75% Thread = .5840"</i>								
HAND TAP	3	3B	6	16354	16355	36.00	33.20	30.60	22.10	19.60	18.20	17.10	16.80
HAND TAP	5	2B	6	16359	16360	47.10	36.10	33.90	27.60	24.00	21.50	19.40	18.50
R.H. ROUND DIE 1-1/2"OD				13216		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		23203		159.70							
GAGE - Taperlock Style		3B		23204		159.70							
GAGE - Reversible Style		2B		24967		243.30							
GAGE - Reversible Style		3B		24968		243.30							
GAGE - Ring-Go		2A		23590		161.30							
GAGE - Ring-Go		3A		23591		161.30							
GAGE - Ring-NoGo		2A		23592		161.30							
GAGE - Ring-NoGo		3A		23593		161.30							
5/8"-27 NS					<i>Recommended Hole Size based on 75% Thread = .5890"</i>								
HAND TAP	3	3B	6	16364	16365	78.20	47.70	47.20	36.00	29.80	26.70	26.10	25.30
R.H. ROUND DIE 1-1/2"OD				13218		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
5/8"-28 NS					<i>Recommended Hole Size based on 75% Thread = .5903"</i>								
HAND TAP	3	3B	6	16369	16370	78.20	47.70	47.20	36.00	29.80	26.70	26.10	25.30
R.H. ROUND DIE 1-1/2"OD				13220		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		22355		194.70							
GAGE - Taperlock Style		3B		22356		194.70							
GAGE - Ring-Go		2A		22357		275.00							
GAGE - Ring-Go		3A		22358		275.00							
GAGE - Ring-NoGo		2A		22359		275.00							
GAGE - Ring-NoGo		3A		22360		275.00							
5/8"-32 NS					<i>Recommended Hole Size based on 75% Thread = .5947"</i>								
HAND TAP	3	3B	6	16374	16375	78.20	47.70	47.20	36.00	29.80	26.70	26.10	25.30
R.H. ROUND DIE 1-1/2"OD				13222		91.30	77.60	62.00	51.60	49.30	45.10	41.50	40.90
GAGE - Taperlock Style		2B		22361		194.70							
GAGE - Taperlock Style		3B		22362		194.70							
GAGE - Ring-Go		2A		22363		275.00							
GAGE - Ring-Go		3A		22364		275.00							
GAGE - Ring-NoGo		2A		22365		275.00							
GAGE - Ring-NoGo		3A		22366		275.00							
41/64"-11 NS					<i>Recommended Hole Size based on 75% Thread = .5521"</i>								
HAND TAP	4	3B	4	16379	16380	115.20	81.30	59.50	46.00	34.50	28.80	26.10	25.30
11/16"-11 NS					<i>Recommended Hole Size based on 75% Thread = .5990"</i>								
L.H. HAND TAP	3	3B	4	16384	16385	47.50	47.50	43.00	43.00	43.00	43.00	36.10	35.30
11/16"-16 NS					<i>Recommended Hole Size based on 75% Thread = .6269"</i>								
L.H. HAND TAP	3	3B	4	16389	16390	47.50	47.50	43.00	43.00	43.00	43.00	36.10	35.30
L.H. ROUND DIE 2"OD				13229		112.60	94.40	88.60	83.70	79.90	73.20	64.60	64.00

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

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11/16"-16 NS					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - Taperlock Style		2B		22367		170.50							
GAGE - Taperlock Style		3B		22368		170.50							
GAGE - Ring-Go		2A		22369		220.00							
GAGE - Ring-Go		3A		22370		220.00							
GAGE - Ring-NoGo		2A		22371		220.00							
GAGE - Ring-NoGo		3A		22372		220.00							
11/16"-18 NS					<i>Recommended Hole Size based on 75% Thread = .6399"</i>								
L.H. HAND TAP	3	3B	4	17576	17577	125.40	93.80	69.90	53.50	42.60	36.70	31.10	27.60
HAND TAP	3	3B	4	16394	16395	82.50	54.20	53.50	40.00	34.30	31.50	29.70	26.40
R.H. ROUND DIE 2"OD				13230		112.60	94.40	88.60	83.70	79.90	73.20	64.60	64.00
11/16"-20 NS					<i>Recommended Hole Size based on 75% Thread = .6390"</i>								
HAND TAP	3	3B	6	16399	16400	82.50	54.20	53.50	40.00	34.30	31.50	29.70	26.40
R.H. ROUND DIE 2"OD				13232		112.60	94.40	88.60	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		22373		170.50							
GAGE - Taperlock Style		3B		22374		170.50							
GAGE - Ring-Go		2A		22375		220.00							
GAGE - Ring-Go		3A		22376		220.00							
GAGE - Ring-NoGo		2A		22377		220.00							
GAGE - Ring-NoGo		3A		22378		220.00							
11/16"-24 NEF					<i>Recommended Hole Size based on 75% Thread = .6465"</i>								
HAND TAP	3	3B	6	16404	16405	36.10	31.90	28.20	25.30	25.30	25.30	25.30	24.90
HAND TAP	5	2B	6	16409	16410	50.30	39.30	36.10	30.30	26.60	25.30	25.30	24.90
R.H. ROUND DIE 2"OD				13234		112.60	94.40	88.60	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		23208		162.60							
GAGE - Taperlock Style		3B		23209		162.60							
GAGE - Reversible Style		2B		24972		243.30							
GAGE - Reversible Style		3B		24973		243.30							
GAGE - Ring-Go		2A		23596		186.20							
GAGE - Ring-Go		3A		23597		186.20							
GAGE - Ring-NoGo		2A		23598		186.20							
GAGE - Ring-NoGo		3A		23599		186.20							
11/16"-28 NS					<i>Recommended Hole Size based on 75% Thread = .6528"</i>								
HAND TAP	3	3B	6	16419	16420	82.50	54.20	53.50	40.00	34.30	31.50	29.70	26.40
GAGE - Taperlock Style		2B		22379		206.80							
GAGE - Taperlock Style		3B		22380		206.80							
GAGE - Ring-Go		2A		22381		275.00							
GAGE - Ring-Go		3A		22382		275.00							
GAGE - Ring-NoGo		2A		22383		275.00							
GAGE - Ring-NoGo		3A		22384		275.00							
11/16"-32 NS					<i>Recommended Hole Size based on 75% Thread = .6572"</i>								
HAND TAP	3	3B	6	16424	16425	82.50	54.20	53.50	40.00	34.30	31.50	29.70	26.40
R.H. ROUND DIE 2"OD				13238		112.60	94.40	88.60	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		22385		206.80							
GAGE - Taperlock Style		3B		22386		206.80							
GAGE - Ring-Go		2A		22387		275.00							
GAGE - Ring-Go		3A		22388		275.00							
GAGE - Ring-NoGo		2A		22389		275.00							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
11/16"-32 NS					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - Ring-NoGo		3A		22390		275.00							
3/4"-5 ACME					<i>Recommended Hole Size = .550"</i>								
HAND TAP		2G	4	18102	18103	172.40	126.40	90.50	72.40	72.40	52.50	52.50	47.20
3/4"-6 ACME					<i>Recommended Hole Size = .5833"</i>								
HAND TAP		2G	4	16432		128.90	104.00	80.30	65.30	58.00	47.90	46.90	42.70
L.H. HAND TAP		2G	4	16436		128.90	104.00	80.30	65.30	58.00	47.90	46.90	42.70
TANDEM		2G	4	16438		180.80	160.10	147.70	141.10	133.10	124.70	110.90	100.20
L.H. TANDEM		2G	4	16439		215.50	191.00	173.50	166.40	153.30	147.20	132.20	119.10
3/4"-8 ACME					<i>Recommended Hole Size = .625"</i>								
HAND TAP		2G	4	16442		145.30	115.50	82.90	66.20	60.40	49.10	46.90	42.70
TANDEM		2G	4	16444		195.80	170.70	154.00	147.50	140.10	126.80	111.90	100.20
L.H. TANDEM		2G	4	16445		215.50	191.00	173.50	166.40	153.30	147.20	132.20	119.10
3/4"-10 NC					<i>Recommended Hole Size based on 75% Thread = .6526"</i> <i>TRU-FLO at 65% Thread = .7058"</i>								
REGULAR SPIRAL FLUTE	3	3B	4	16463	16464	143.20	113.00	78.90	61.30	56.80	50.60	45.50	40.90
L.H. HAND TAP	3	3B	4	16449	16450	50.50	49.60	48.50	40.80	38.40	36.40	34.20	31.00
+ .005 HAND TAP	11	PLATING	4	16454	16455	34.20	34.20	33.40	28.80	27.70	26.00	24.80	24.40
+ .005 SPIRAL POINT	11	PLATING	3	16452		38.60	38.60	37.60	33.10	31.90	30.30	29.00	28.80
+ .010 HAND TAP	21		4	16459	16460	126.90	93.80	71.80	40.80	38.40	36.40	34.20	31.00
6" EXT HAND TAP	3	3B	4	16478	16479	95.80	95.20	94.40	67.90	63.60	61.20	57.50	53.50
6" EXT SP PT	3	3B	3	17632		100.50	100.00	99.10	72.40	68.10	65.80	62.30	57.90
8" EXT HAND TAP	3	3B	4	16483	16484	112.80	110.40	106.90	84.00	79.90	77.80	73.90	67.20
10" EXT HAND TAP	3	3B	4	16488	16489	126.50	125.60	125.20	97.50	93.20	90.90	87.20	80.30
"TRU-FLO" FORM TAP	7	3B	0	19136	19137	59.50	59.50	59.50	59.50	59.50	59.50	52.90	48.80
"TRU-FLO" FORM TAP	10	2B	0	19138	19139	59.50	59.50	59.50	59.50	59.50	59.50	52.90	48.80
CARB-I-SERT TAP	3	3B	4	41552	41553	349.80	349.80	349.80	328.80	322.60	310.10	305.30	300.60
TiN COAT/SPPTx6"	3	3B	3	50027		112.80	112.10	111.30	84.60	80.40	78.10	74.60	69.90
R.H. ROUND DIE 2"OD				13240		87.30	87.30	87.30	70.80	67.90	62.20	59.60	59.30
L.H. ROUND DIE 2"OD				13241		112.60	94.40	88.60	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		23213		118.80							
GAGE - Taperlock Style		3B		23214		118.80							
GAGE - Reversible Style		2B		24359		164.20							
GAGE - Reversible Style		3B		24360		164.20							
GAGE - Ring-Go		2A		23602		164.20							
GAGE - Ring-Go		3A		23603		164.20							
GAGE - Ring-NoGo		2A		23604		164.20							
GAGE - Ring-NoGo		3A		23605		164.20							
GAGE - STI Plug Taperlock		2B		24747		174.50							
GAGE - STI Plug Taperlock		3B		24748		174.50							
GAGE - L.H. Taperlock Style		2B		22392		182.60							
GAGE - L.H. Taperlock Style		3B		22393		182.60							
GAGE - L.H. Reversible Style		2B		22394		234.30							
GAGE - L.H. Reversible Style		3B		22395		234.30							
GAGE - L.H. Ring-Go		2A		22396		220.00							
GAGE - L.H. Ring-NoGo		2A		22397		220.00							
GAGE - L.H. Ring-Go		3A		22398		220.00							
GAGE - L.H. Ring-NoGo		3A		22399		220.00							

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BACK TO INDEX

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3/4"-10 ACME					<i>Recommended Hole Size = .6500"</i>								
HAND TAP		2G	4	16493		145.30	115.50	82.90	66.20	60.40	49.10	46.90	42.70
3/4"-11 1/2 NH					<i>Recommended Hole Size = .9688"</i>								
GARDEN HOSE			6	16497	16498	134.50	112.90	88.00	80.60	72.90	58.40	57.10	55.90
3/4"-12 NS					<i>Recommended Hole Size based on 75% Thread = .6692"</i>								
HAND TAP	4	3B	4	16502	16503	88.00	56.90	56.10	41.50	36.50	34.00	31.80	28.90
R.H. ROUND DIE 2"OD				13242		112.60	94.40	88.60	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		22400		170.50							
GAGE - Taperlock Style		3B		22401		170.50							
GAGE - Ring-Go		2A		22402		220.00							
GAGE - Ring-Go		3A		22403		220.00							
GAGE - Ring-NoGo		2A		22404		220.00							
GAGE - Ring-NoGo		3A		22405		220.00							
3/4"-14 PIPE TAP NPSI NPSF NPT/F NPS					<i>Recommended Hole Size: NPT = .9063" / NPTF = .9219" NPSI = .9283"</i>								
NPT/F REG. SPR FLT TAPER			5	16505		115.00	111.90	109.80	85.00	82.20	77.30	73.40	66.60
NPT/F LEFT HAND TAPER			5	16508		133.40	100.00	81.60	70.80	67.10	56.70	55.90	55.30
NPT/F 6" EXT TAPER			5	16511		98.00	98.00	98.00	95.20	90.20	86.20	80.40	79.00
NPT/F 6" EXT INT TAPER			5	16514		116.40	116.40	116.40	113.00	106.90	101.80	94.40	90.00
NPT/F 8" EXT TAPER			5	16517		122.80	122.80	122.80	122.80	113.60	109.00	95.90	94.40
NPT/F 10" EXT TAPER			5	18105		147.40	147.40	147.40	147.40	147.40	147.40	147.40	147.40
NPSI STRAIGHT			5	16523		148.10	110.80	90.50	80.10	69.70	60.20	55.90	55.30
NPT/F CARB-I-SERT TAP			4	41810		579.20	571.50	451.10	410.20	402.30	388.30	366.30	360.30
NPT/F "COST CUTTER" DRILL/TAP			4	29045		209.30	199.90	195.90	190.40	177.70	164.20	158.70	155.40
NPT R.H. ROUND DIE 2"OD				13258		112.60	94.40	88.60	83.70	79.90	73.20	64.60	64.00
NPS R.H. ROUND DIE 2"OD				13260		223.20	188.20	118.30	102.90				
GAGE L1 NPT PLG w/hdle				24383		103.20							
GAGE L1 NPT RING				24381		182.50							
GAGE L1 NPTF PLG w/hdle				24458		152.70							
GAGE L3 NPTF PLG w/hdle				24460		152.70							
GAGE NPTF 6 step Plain Plug w/handle				24544		179.40							
GAGE L1 NPTF RING				24506		191.50							
GAGE L2 NPTF RING				24508		290.20							
GAGE NPTF 6 step Plain Ring				24578		311.00							
3/4"-14 55° WHITWORTH PIPE					<i>Recommended Hole Size: BSPT = .9219" / BSPP = .9531"</i>								
BSPT TAPER - MODIFIED			5	16526	16527	66.30	66.30	66.30	66.30	66.30	66.30	66.30	66.30
BSPP PARALLEL - MODIFIED			5	16529	16530	66.30	66.30	66.30	66.30	66.30	66.30	66.30	66.30
BSPT TAPER - FULL FORM			5	17936		132.30	132.30	132.30	132.30	109.10	90.90	77.30	69.70
BSPP PARALLEL - FULL FORM			5	17927		132.30	132.30	132.30	132.30	109.10	90.90	77.30	69.70
BSPT FULL FORM DIE 2" OD				13700		378.10							
BSPP FULL FORM DIE 2" OD				13701		203.40							
GAGE BSPT-Mod. w/handle				27014		266.40							
GAGE BSPP-Mod. DBL END w/handle				27053		319.00							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
3/4"-16 NF					<i>Recommended Hole Size based on 75% Thread = .6894" TRU-FLO at 65% Thread = .7224"</i>								
REGULAR SPIRAL FLUTE	3	3B	4	16543	16544	143.20	113.00	94.40	69.60	56.80	50.60	45.50	40.80
L.H. HAND TAP	3	3B	4	16534	16535	50.50	49.60	48.50	40.80	38.40	36.40	34.20	31.00
SPIRAL POINT	3	3B	3	18374		81.50	65.20	63.80	46.90	42.80	40.90	39.30	37.40
SPIRAL POINT	5	2B	3	17692		81.50	65.20	63.80	46.90	42.80	40.90	39.30	37.40
L.H. HAND TAP	5	2B	4	17788	17789	120.50	93.80	86.80	68.30	53.40	47.70	42.70	39.20
+ .003 HAND TAP	7		4	17637	17638	112.80	85.40	71.80	56.70	44.70	39.30	34.80	32.80
HAND TAP	8		4	17745	17746	112.80	85.40	71.80	56.70	44.70	39.30	34.80	32.80
+ .005 HAND TAP	11	PLATING	4	16539	16540	34.20	34.20	33.40	28.80	27.70	26.00	24.80	24.40
"TRU-FLO" FORM TAP	7	3B	0	19140	19141	59.50	59.50	59.50	59.50	59.50	59.50	52.90	48.80
"TRU-FLO" FORM TAP	10	2B	0	19142	19143	59.50	59.50	59.50	59.50	59.50	59.50	52.90	48.80
CARB-I-SERT TAP	3	3B	4	41555	41556	349.80	349.80	349.80	328.80	322.60	310.10	305.30	300.60
TiN COAT/HAND	8		4	50033		121.30	94.10	84.60	68.10	54.60	47.90	43.30	41.50
R.H. ROUND DIE 2"OD				13246		87.30	87.30	87.30	70.80	67.90	62.20	59.60	59.30
L.H. ROUND DIE 2"OD				13247		112.60	94.40	88.60	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		23218		118.80							
GAGE - Taperlock Style		3B		23219		118.80							
GAGE - Reversible Style		2B		24364		164.20							
GAGE - Reversible Style		3B		24365		164.20							
GAGE - Ring-Go		2A		23608		164.20							
GAGE - Ring-Go		3A		23609		164.20							
GAGE - Ring-NoGo		2A		23610		164.20							
GAGE - Ring-NoGo		3A		23611		164.20							
GAGE - STI Plug Taperlock		2B		24752		174.50							
GAGE - STI Plug Taperlock		3B		24753		174.50							
GAGE - L.H. Taperlock Style		2B		22406		168.30							
GAGE - L.H. Taperlock Style		3B		22407		168.30							
GAGE - L.H. Reversible Style		2B		22408		215.60							
GAGE - L.H. Reversible Style		3B		22409		215.60							
GAGE - L.H. Ring-Go		2A		22410		220.00							
GAGE - L.H. Ring-NoGo		2A		22411		220.00							
GAGE - L.H. Ring-Go		3A		22412		220.00							
GAGE - L.H. Ring-NoGo		3A		22413		220.00							
3/4"-18 NS					<i>Recommended Hole Size based on 75% Thread = .6964"</i>								
HAND TAP	3	3B	4	16548	16549	88.00	56.90	56.10	40.50	36.40	34.00	31.80	28.90
R.H. ROUND DIE 2"OD				13248		112.60	94.40	88.60	83.70	79.90	73.20	64.60	64.00
3/4"-20 NEF					<i>Recommended Hole Size based on 75% Thread = .7015"</i>								
L.H. HAND TAP	3	3B	6	17663	17664	120.50	93.80	86.80	68.30	53.40	47.70	42.70	39.20
HAND TAP	3	3B	6	16553	16554	38.60	34.90	31.70	26.70	26.70	26.70	26.70	26.70
HAND TAP	5	2B	6	16558	16559	53.40	41.70	35.00	26.70	26.70	26.70	26.70	26.70
R.H. ROUND DIE 2"OD				13250		112.60	94.40	88.60	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		23223		168.60							
GAGE - Taperlock Style		3B		23224		168.60							
GAGE - Reversible Style		2B		24977		252.10							
GAGE - Reversible Style		3B		24978		252.10							
GAGE - Ring-Go		2A		23614		200.80							
GAGE - Ring-Go		3A		23615		200.80							
GAGE - Ring-NoGo		2A		23616		200.80							
GAGE - Ring-NoGo		3A		23617		200.80							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
3/4"-24 NS						<i>Recommended Hole Size based on 75% Thread = .709"</i>							
HAND TAP	3	3B	6	16563	16564	88.00	56.90	56.10	40.50	36.50	34.00	31.80	28.90
R.H. ROUND DIE 2"OD				13252		112.60	94.40	88.60	83.70	79.90	73.20	64.60	64.00
3/4"-27 NS						<i>Recommended Hole Size based on 75% Thread = .714"</i>							
HAND TAP	3	3B	6	16568	16569	88.00	56.90	56.10	40.50	36.40	34.00	31.80	28.90
R.H. ROUND DIE 2"OD				13254		112.60	94.40	88.60	83.70	79.90	73.20	64.60	64.00
3/4"-32 NS						<i>Recommended Hole Size based on 75% Thread = .7197"</i>							
HAND TAP	3	3B	6	16573	16574	88.00	56.90	56.10	40.50	36.40	34.00	31.80	28.90
R.H. ROUND DIE 2"OD				13256		112.60	94.40	88.60	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		22414		206.80							
GAGE - Taperlock Style		3B		22415		206.80							
GAGE - Ring-Go		2A		22416		275.00							
GAGE - Ring-Go		3A		22417		275.00							
GAGE - Ring-NoGo		2A		22418		275.00							
GAGE - Ring-NoGo		3A		22419		275.00							
3/4"-40 NS						<i>Recommended Hole Size based on 75% Thread = .7258"</i>							
HAND TAP	3	3B	6	16578	16579	112.80	85.40	71.80	56.70	44.70	39.30	34.80	32.80
49/64"-10 NS						<i>Recommended Hole Size based on 75% Thread = .6682"</i>							
HAND TAP	4	3B	4	16583	16584	126.90	93.80	79.60	64.20	52.50	47.20	42.60	40.40
.800"-36 A.M.O. MOD. WHITWORTH						<i>Recommended Hole Size = .7644"</i>							
HAND TAP	2		6	16592	16593	129.50	96.00	74.00	58.90	47.10	41.70	37.10	36.50
13/16"-10 NS						<i>Recommended Hole Size based on 75% Thread = .7151"</i>							
HAND TAP	4	3B	4	16597	16598	92.10	61.30	60.70	47.10	40.50	37.30	35.80	34.00
13/16"-12 NS						<i>Recommended Hole Size based on 75% Thread = .7317"</i>							
HAND TAP	4	3B	4	16602	16603	92.10	61.30	60.70	47.10	40.50	37.30	35.80	34.00
GAGE - Taperlock Style		2B		22420		171.60							
GAGE - Taperlock Style		3B		22421		171.60							
GAGE - Ring-Go		2A		22422		233.20							
GAGE - Ring-Go		3A		22423		233.20							
GAGE - Ring-NoGo		2A		22424		233.20							
GAGE - Ring-NoGo		3A		22425		233.20							
13/16"-16 NS						<i>Recommended Hole Size based on 75% Thread = .7519"</i>							
HAND TAP	3	3B	4	16607	16608	92.10	61.30	60.70	47.10	40.50	37.30	35.80	34.00
R.H. ROUND DIE 2"OD				13264		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		22426		182.60							
GAGE - Taperlock Style		3B		22427		182.60							
GAGE - Ring-Go		2A		22428		233.20							
GAGE - Ring-Go		3A		22429		233.20							
GAGE - Ring-NoGo		2A		22430		233.20							
GAGE - Ring-NoGo		3A		22431		233.20							

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BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
13/16"-18 NS					<i>Recommended Hole Size based on 75% Thread = .7589"</i>								
HAND TAP	3	3B	4	16612	16613	92.10	61.30	60.70	47.10	40.50	37.30	35.80	34.00
R.H. ROUND DIE 2"OD				13266		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
13/16"-20 NEF					<i>Recommended Hole Size based on 75% Thread = .7640"</i>								
HAND TAP	3	3B	6	16617	16618	45.90	43.00	39.80	32.20	32.20	32.20	32.20	32.20
HAND TAP	5	2B	6	16622	16623	70.80	58.90	44.00	39.80	34.90	32.20	32.20	32.20
R.H. ROUND DIE 2"OD				13268		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		23228		192.10							
GAGE - Taperlock Style		3B		23229		192.10							
GAGE - Ring-Go		2A		23620		203.70							
GAGE - Ring-Go		3A		23621		203.70							
GAGE - Ring-NoGo		2A		23622		203.70							
GAGE - Ring-NoGo		3A		23623		203.70							
13/16"-24 NS					<i>Recommended Hole Size based on 75% Thread = .7715"</i>								
HAND TAP	3	3B	6	16627	16628	92.10	61.30	60.70	47.10	40.50	37.30	35.80	34.00
R.H. ROUND DIE 2"OD				13270		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
7/8"-6 ACME					<i>Recommended Hole Size = .7083"</i>								
HAND TAP		2G	4	16631		138.30	112.50	85.70	70.80	69.40	66.20	64.20	63.90
L.H. HAND TAP		2G	4	16635		138.30	112.50	85.70	70.80	69.40	66.20	64.20	63.90
TANDEM		2G	4	16637		196.20	179.40	157.20	147.20	145.00	130.50	127.70	120.80
LEFT HAND TANDEM		2G	4	16638		236.40	214.50	187.00	175.00	165.40	157.10	140.30	126.40
7/8"-9 NC					<i>Recommended Hole Size based on 75% Thread = .7667"</i>								
REGULAR SPIRAL FLUTE	4	3B	4	16656	16657	157.10	130.50	106.20	89.20	77.00	68.00	63.60	58.40
L.H. HAND TAP	4	3B	4	16642	16643	57.20	57.20	57.20	56.80	48.70	44.70	43.20	37.60
SPIRAL POINT	4	3B	3	16645		142.80	108.70	87.10	70.50	58.90	53.00	47.90	43.50
+ .005 HAND TAP	11	PLATING	4	16652	16653	49.10	49.10	49.10	39.50	38.70	36.40	36.00	35.90
8" EXTENSION HAND TAP	4	3B	4	17700	17701	116.10	113.90	110.00	90.60	87.10	85.10	79.50	78.40
CARB-I-SERT TAP	4	3B	4	41558	41559	383.60	369.60	363.20	344.70	342.70	338.10	334.30	329.50
TIN COAT x 8"	4	3B	4	50030		138.30	136.20	132.30	112.90	109.30	107.40	101.80	100.80
R.H. ROUND DIE 2"OD				13272		87.30	87.30	87.30	70.80	67.90	62.20	59.60	59.30
L.H. ROUND DIE 2"OD				13273		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		23233		126.10							
GAGE - Taperlock Style		3B		23234		126.10							
GAGE - Ring-Go		2A		23626		170.10							
GAGE - Ring-Go		3A		23627		170.10							
GAGE - Ring-NoGo		2A		23628		170.10							
GAGE - Ring-NoGo		3A		23629		170.10							
GAGE - L.H. Taperlock Style		2B		22432		183.70							
GAGE - L.H. Taperlock Style		3B		22433		183.70							
GAGE - L.H. Ring-Go		2A		22434		232.70							
GAGE - L.H. Ring-NoGo		2A		22435		232.70							
GAGE - L.H. Ring-Go		3A		22436		232.70							
GAGE - L.H. Ring-NoGo		3A		22437		232.70							
7/8"-10 NS					<i>Recommended Hole Size based on 75% Thread = .7776"</i>								
HAND TAP	4	3B	4	16661	16662	97.60	69.50	68.00	56.80	48.70	44.70	43.20	37.60

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

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7/8"-12 NS					<i>Recommended Hole Size based on 75% Thread = .7942"</i>								
HAND TAP	4	3B	4	16666	16667	97.60	69.50	68.00	56.80	48.60	44.70	43.20	37.60
R.H. ROUND DIE 2"OD				13274		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		22438		171.60							
GAGE - Taperlock Style		3B		22439		171.60							
GAGE - Ring-Go		2A		22440		233.20							
GAGE - Ring-Go		3A		22441		233.20							
GAGE - Ring-NoGo		2A		22442		233.20							
GAGE - Ring-NoGo		3A		22443		233.20							
7/8"-14 NF					<i>Recommended Hole Size based on 75% Thread = .8056"</i>								
L.H. HAND TAP	4	3B	4	16671	16672	57.20	57.20	57.20	56.80	48.70	44.70	43.20	37.60
SPIRAL POINT	4	3B	3	17656		142.80	108.70	87.10	70.50	58.90	53.00	47.90	43.50
HAND TAP	5		4	17749	17750	136.30	102.20	83.30	66.30	61.70	59.40	55.30	53.40
HAND TAP	6	2B	4	17686	17687	136.30	102.20	83.30	66.30	61.70	59.40	55.30	53.40
+ .005 HAND TAP	11	PLATING	4	16676	16677	49.10	49.10	49.10	39.50	38.70	36.40	36.00	35.90
CARB-I-SERT TAP	4	3B	4	41561	41562	383.60	369.60	363.20	344.70	342.70	338.10	334.30	329.50
R.H. ROUND DIE 2"OD				13276		87.30	87.30	87.30	70.80	67.90	62.20	59.60	59.30
L.H. ROUND DIE 2"OD				13277		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		23238		126.10							
GAGE - Taperlock Style		3B		23239		126.10							
GAGE - Ring-Go		2A		23632		170.10							
GAGE - Ring-Go		3A		23633		170.10							
GAGE - Ring-NoGo		2A		23634		170.10							
GAGE - Ring-NoGo		3A		23635		170.10							
GAGE - L.H. Taperlock Style		2B		22444		183.70							
GAGE - L.H. Taperlock Style		3B		22445		183.70							
GAGE - L.H. Ring-Go		2A		22446		233.20							
GAGE - L.H. Ring-NoGo		2A		22447		233.20							
GAGE - L.H. Ring-Go		3A		22448		233.20							
GAGE - L.H. Ring-NoGo		3A		22449		233.20							
7/8"-16 NS					<i>Recommended Hole Size based on 75% Thread = .8144"</i>								
HAND TAP	3	3B	4	16681	16682	97.60	69.50	68.00	56.80	48.60	44.70	43.20	37.60
R.H. ROUND DIE 2"OD				13278		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		22450		183.70							
GAGE - Taperlock Style		3B		22451		183.70							
GAGE - Ring-Go		2A		22452		233.20							
GAGE - Ring-Go		3A		22453		233.20							
GAGE - Ring-NoGo		2A		22454		233.20							
GAGE - Ring-NoGo		3A		22455		233.20							
7/8"-18 NS					<i>Recommended Hole Size based on 75% Thread = .8214"</i>								
HAND TAP	3	3B	4	16686	16687	97.60	69.50	68.00	56.80	48.60	44.70	43.20	37.60
R.H. ROUND DIE 2"OD				13280		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
7/8"-20 NEF					<i>Recommended Hole Size based on 75% Thread = .8265"</i>								
HAND TAP	3	3B	6	16691	16692	41.80	41.80	41.80	35.80	33.30	32.20	31.50	31.10
HAND TAP	5	2B	6	16696	16697	63.10	49.10	44.00	38.60	37.50	35.00	33.30	33.10
R.H. ROUND DIE 2"OD				13282		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		23243		190.60							
GAGE - Taperlock Style		3B		23244		190.60							
GAGE - Ring-Go		2A		23638		208.10							

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BACK TO INDEX

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7/8"-20 NEF					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - Ring-Go		3A		23639		208.10							
GAGE - Ring-NoGo		2A		23640		208.10							
GAGE - Ring-NoGo		3A		23641		208.10							
7/8"-24 NS					<i>Recommended Hole Size based on 75% Thread = .834"</i>								
HAND TAP	3	3B	6	16701	16702	136.40	102.40	81.00	67.70	55.60	49.70	43.20	37.60
R.H. ROUND DIE 2"OD				13284		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
7/8"-27 NS					<i>Recommended Hole Size based on 75% Thread = .839"</i>								
HAND TAP	3	3B	6	16706	16707	136.40	102.40	81.00	67.70	55.60	49.70	43.20	37.60
7/8"-32 NS					<i>Recommended Hole Size based on 75% Thread = .847"</i>								
HAND TAP	3	3B	6	16711	16712	136.40	102.40	81.00	67.70	55.60	49.70	43.20	37.60
R.H. ROUND DIE 2"OD				13286		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		22456		220.00							
GAGE - Taperlock Style		3B		22457		220.00							
GAGE - Ring-Go		2A		22458		293.70							
GAGE - Ring-Go		3A		22459		293.70							
GAGE - Ring-NoGo		2A		22460		293.70							
GAGE - Ring-NoGo		3A		22461		293.70							
15/16"-12 NS					<i>Recommended Hole Size based on 75% Thread = .8567"</i>								
HAND TAP	4	3B	4	16716	16717	101.40	73.40	71.80	60.30	50.50	45.50	44.30	39.20
R.H. ROUND DIE 2"OD				13288		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		22462		183.70							
GAGE - Taperlock Style		3B		22463		183.70							
GAGE - Ring-Go		2A		22464		233.20							
GAGE - Ring-Go		3A		22465		233.20							
GAGE - Ring-NoGo		2A		22466		233.20							
GAGE - Ring-NoGo		3A		22467		233.20							
15/16"-14 NS					<i>Recommended Hole Size based on 75% Thread = .8681"</i>								
HAND TAP	4	3B	4	16721	16722	101.40	73.40	71.80	60.30	50.50	45.50	44.30	39.20
R.H. ROUND DIE 2"OD				13290		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
15/16"-16 NS					<i>Recommended Hole Size based on 75% Thread = .8769"</i>								
HAND TAP	3	3B	6	16726	16727	101.40	73.40	71.80	60.30	50.50	45.50	44.30	39.20
R.H. ROUND DIE 2"OD				13292		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
15/16"-18 NS					<i>Recommended Hole Size based on 75% Thread = .8839"</i>								
HAND TAP	3	3B	6	16731	16732	101.40	73.40	71.80	60.30	50.50	45.50	44.30	39.20
R.H. ROUND DIE 2"OD				13294		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
15/16"-20 NEF					<i>Recommended Hole Size based on 75% Thread = .889"</i>								
HAND TAP	3	3B	6	16736	16737	52.70	50.30	48.50	40.70	38.60	36.50	34.20	34.20
HAND TAP	5	2B	6	16741	16742	65.20	52.00	46.10	40.80	40.00	38.00	35.60	34.20
R.H. ROUND DIE 2"OD				13296		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		23248		199.40							
GAGE - Taperlock Style		3B		23249		199.40							
GAGE - Ring-Go		2A		23644		219.90							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
15/16"-20 NEF					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - Ring-Go		3A		23645		219.90							
GAGE - Ring-NoGo		2A		23646		219.90							
GAGE - Ring-NoGo		3A		23647		219.90							
15/16"-32 NS					<i>Recommended Hole Size based on 75% Thread = .9702"</i>								
HAND TAP	3	3B	6	16756	16757	139.20	110.10	84.70	72.30	60.10	53.00	50.30	44.70
R.H. ROUND DIE 2"OD				13298		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		22468		233.20							
GAGE - Taperlock Style		3B		22469		233.20							
GAGE - Ring-Go		2A		22470		300.30							
GAGE - Ring-Go		3A		22471		300.30							
GAGE - Ring-NoGo		2A		22472		300.30							
GAGE - Ring-NoGo		3A		22473		300.30							
.969"-32													
N-05 LOCKNUT HEX DIE				13702		220.20	161.40	122.40	86.70				
1"-5 ACME					<i>Recommended Hole Size = .800"</i>								
HAND TAP		2G	4	16760		170.90	135.20	106.00	85.10	84.50	82.90	79.40	75.20
L.H. HAND TAP		2G	4	16764		170.90	135.20	106.00	85.10	84.50	82.90	79.40	75.20
TANDEM		2G	4	16766		257.80	230.50	212.10	179.60	174.90	169.50	155.50	139.90
L.H. TANDEM		2G	4	16767		297.20	271.70	252.10	216.20	210.40	205.20	186.20	167.30
1"-8 ACME					<i>Recommended Hole Size = .875"</i>								
HAND TAP		2G	4	16770		170.90	135.20	106.00	85.10	84.50	82.90	79.40	75.20
1"-8 NC					<i>Recommended Hole Size based on 75% Thread = .8781"</i>								
REGULAR SPIRAL FLUTE	4	3B	4	16789	16790	174.20	146.20	121.40	108.80	92.20	85.80	77.10	67.70
FAST SPIRAL FLUTE	4	3B	4	17791	17792	174.20	146.20	121.40	108.80	92.20	85.80	77.10	67.70
L.H. HAND TAP	4	3B	4	16775	16776	75.60	75.60	75.60	75.60	75.60	75.60	65.20	65.20
HAND TAP	6	2B	4	17918	17919	147.30	113.00	89.10	80.10	66.20	59.50	53.80	53.40
SPIRAL POINT	4	3B	3	16778		151.50	113.60	93.30	82.60	69.40	61.80	56.10	55.40
+ .005 HAND TAP	11	PLATING	4	16785	16786	63.00	63.00	63.00	51.60	47.20	42.90	42.80	42.80
+ .005 SPIRAL POINT	11	PLATING	3	16783		144.20	108.20	88.90	78.80	66.00	58.70	53.40	52.80
+ .010 HAND TAP	21		4	17732	17733	155.80	126.50	124.30	104.80	87.20	78.30	70.20	65.20
8" EXTENSION HAND TAP	4	3B	4	16794	16795	137.80	136.00	133.90	109.30	104.90	102.90	98.90	91.40
10" EXTENSION HAND TAP	4	3B	4	16799	16800	166.10	164.10	161.70	139.90	133.00	129.60	114.60	105.60
12" EXTENSION HAND TAP	4	3B	4	18109	18110	206.90	206.90	206.90	206.90	206.90	206.90	206.90	206.90
CARB-I-SERT TAP	4	3B	4	41564	41565	437.50	429.10	414.80	385.80	382.00	374.10	358.60	355.40
TIN COAT x 8"	4	3B	4	50021		161.80	161.60	159.60	134.90	130.60	128.50	124.60	116.90
R.H. ROUND DIE 2"OD				13300		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
L.H. ROUND DIE 2"OD				13301		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		23253		143.70							
GAGE - Taperlock Style		3B		23254		143.70							
GAGE - Ring-Go		2A		23650		214.10							
GAGE - Ring-Go		3A		23651		214.10							
GAGE - Ring-NoGo		2A		23652		214.10							
GAGE - Ring-NoGo		3A		23653		214.10							
GAGE - L.H. Taperlock Style		2B		22474		198.00							
GAGE - L.H. Taperlock Style		3B		22475		198.00							
GAGE - L.H. Ring-Go		2A		22476		226.60							
GAGE - L.H. Ring-NoGo		2A		22477		226.60							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
1"-8 NC					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - L.H. Ring-Go		3A		22478		387.30							
GAGE - L.H. Ring-NoGo		3A		22479		271.20							
1"-10 NS					<i>Recommended Hole Size based on 75% Thread = .9026"</i>								
HAND TAP	4	3B	4	16809	16810	115.10	84.60	83.80	63.60	56.00	48.60	45.10	43.20
1"-11 55° WHITWORTH PIPE					<i>Recommended Hole Size: BSPT = 1.1719" / BSPP = 1.1875"</i>								
BSPT TAPER - MODIFIED			5	16812	16813	100.70	100.70	100.70	100.70	100.70	100.70	100.70	100.70
BSPP PARALLEL - MODIFIED			5	16815	16816	100.70	100.70	100.70	100.70	100.70	100.70	100.70	100.70
BSPT TAPER - FULL FORM			5	17937		247.50	241.00	216.90	163.80	141.50	123.80	107.00	107.00
BSPP PARALLEL - FULL FORM			5	17928		247.50	241.00	216.90	163.80	141.50	123.80	107.00	107.00
GAGE BSPP-Mod. DBL END w/handle				27056		387.30							
GAGE BSPT-Mod. w/handle				27017		271.20							
1"-11 1/2 PIPE NPT NPT/F NPS					<i>Recommended Hole Size: NPT = 1.1406" / NPTF = 1.1563"</i>								
NPT/F LEFT HAND TAPER			5	16818		160.60	128.40	119.90	98.00	89.20	86.00	80.70	78.40
NPT/F 6" EXT TAPER			5	16821		142.30	141.50	138.90	136.10	128.50	125.00	110.80	109.30
NPT/F 10" EXT TAPER			5	16824		193.70	191.10	188.70	183.20	173.90	169.30	164.30	163.10
CARB-I-SERT TAP			6	41811		732.50	718.40	610.50	563.80	549.50	521.40	500.90	498.00
NPT/F "COST CUTTER" DRILL/TAP			4	29046		308.40	294.50	288.90	280.30	268.60	255.80	247.10	234.30
NPT R.H. ROUND DIE 2-1/2"OD				13302		169.20	143.10	137.30	133.10	132.00	121.00	106.70	105.80
NPS R.H. ROUND DIE 2-1/2"OD				13304		275.60	239.50	166.40	146.10				
GAGE L1 NPT PLG w/hdle				24386		115.20							
GAGE L1 NPT RING				24384		209.30							
GAGE L1 NPTF PLG w/hdle				24466		169.10							
GAGE L3 NPTF PLG w/hdle				24468		169.10							
GAGE NPTF 6 step Plain Plug w/handle				24548		194.50							
GAGE L1 NPTF RING				24510		215.30							
GAGE L2 NPTF RING				24512		316.90							
GAGE NPTF 6 step Plain Ring				24582		311.00							
1"-12 NF					<i>Recommended Hole Size based on 75% Thread = .9192"</i>								
L.H. HAND TAP	4	3B	4	16829	16830	75.60	75.60	75.60	75.60	75.60	75.60	65.20	65.20
HAND TAP	6	2B	4	16834	16835	147.30	113.00	89.10	80.10	66.20	59.50	53.80	53.40
+ .005 HAND TAP	11	PLATING	4	16839	16840	63.00	63.00	63.00	51.60	47.20	42.90	42.80	42.80
CARB-I-SERT TAP	4	3B	4	41567	41568	437.50	429.10	414.80	385.80	382.00	374.10	358.60	355.40
R.H. ROUND DIE 2"OD				13306		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
L.H. ROUND DIE 2"OD				13307		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		23258		143.70							
GAGE - Taperlock Style		3B		23259		143.70							
GAGE - Ring-Go		2A		23656		214.10							
GAGE - Ring-Go		3A		23657		214.10							
GAGE - Ring-NoGo		2A		23658		214.10							
GAGE - Ring-NoGo		3A		23659		214.10							
GAGE - L.H. Taperlock Style		2B		22480		183.70							
GAGE - L.H. Taperlock Style		3B		22481		183.70							
GAGE - L.H. Ring-Go		2A		22482		232.70							
GAGE - L.H. Ring-NoGo		2A		22483		232.70							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
1"-12 NF					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - L.H. Ring-Go		3A		22484		232.70							
GAGE - L.H. Ring-NoGo		3A		22485		232.70							
1"-14 NS					<i>Recommended Hole Size based on 75% Thread = .9306"</i>								
L.H. HAND TAP	4	3B	4	16844	16845	75.60	75.60	75.60	75.60	75.60	75.60	65.20	65.20
SPIRAL POINT	4	3B	3	17906		151.50	113.60	93.30	82.60	69.40	61.80	56.10	55.40
HAND TAP	6	2B	4	16849	16850	147.30	113.00	89.10	80.10	66.20	59.50	53.80	53.40
+ .005 HAND TAP	11	PLATING	4	16854	16855	63.00	63.00	63.00	51.60	47.20	42.90	42.80	42.80
R.H. ROUND DIE 2"OD				13308		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
L.H. ROUND DIE 2"OD				13309		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		23263		143.70							
GAGE - Taperlock Style		3B		23264		143.70							
GAGE - Ring-Go		2A		23662		214.10							
GAGE - Ring-Go		3A		23663		214.10							
GAGE - Ring-NoGo		2A		23664		214.10							
GAGE - Ring-NoGo		3A		23665		214.10							
1"-16 NS					<i>Recommended Hole Size based on 75% Thread = .9394"</i>								
L.H. HAND TAP	3	3B	6	17695	17696	115.10	84.60	83.80	63.00	53.80	48.80	45.00	40.80
HAND TAP	3	3B	6	16859	16860	115.10	84.60	83.80	63.00	53.80	48.80	45.00	40.80
R.H. ROUND DIE 2"OD				13310		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		22486		183.70							
GAGE - Taperlock Style		3B		22487		183.70							
GAGE - Ring-Go		2A		22488		233.20							
GAGE - Ring-Go		3A		22489		233.20							
GAGE - Ring-NoGo		2A		22490		233.20							
GAGE - Ring-NoGo		3A		22491		233.20							
1"-18 NS					<i>Recommended Hole Size based on 75% Thread = .9464"</i>								
HAND TAP	3	3B	6	16864	16865	115.10	84.60	83.80	63.00	53.80	48.80	45.00	40.80
R.H. ROUND DIE 2"OD				13312		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
1"-20 NEF					<i>Recommended Hole Size based on 75% Thread = .9515"</i>								
L.H. HAND TAP	3	3B	6	17580	17581	115.10	84.60	83.80	63.00	53.80	48.80	45.00	40.80
HAND TAP	3	3B	6	16869	16870	59.80	56.10	52.50	48.50	44.00	42.40	40.30	40.00
HAND TAP	5	2B	6	16874	16875	88.40	73.70	60.70	55.30	49.20	46.10	44.30	40.80
R.H. ROUND DIE 2"OD				13314		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		23268		208.10							
GAGE - Taperlock Style		3B		23269		208.10							
GAGE - Ring-Go		2A		23668		240.50							
GAGE - Ring-Go		3A		23669		240.50							
GAGE - Ring-NoGo		2A		23670		240.50							
GAGE - Ring-NoGo		3A		23671		240.50							
1"-24 NS					<i>Recommended Hole Size based on 75% Thread = .959"</i>								
HAND TAP	3	3B	6	16879	16880	115.10	84.60	83.80	63.00	53.80	48.80	45.00	40.80
R.H. ROUND DIE 2"OD				13316		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
1"-27 NS					<i>Recommended Hole Size based on 75% Thread = .964"</i>								
HAND TAP	3	3B	6	16884	16885	115.10	84.60	83.80	63.00	53.80	48.80	45.00	40.80
R.H. ROUND DIE 2"OD				13318		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
1"-32 NS					<i>Recommended Hole Size based on 75% Thread = .9697"</i>								
HAND TAP	3	3B	6	16889	16890	115.10	84.60	83.80	63.00	53.80	48.80	45.00	40.80
R.H. ROUND DIE 2"OD				13320		119.50	102.20	95.70	83.70	79.90	73.20	64.60	64.00
GAGE - Taperlock Style		2B		22492		233.20							
GAGE - Taperlock Style		3B		22493		233.20							
GAGE - Ring-Go		2A		22494		300.30							
GAGE - Ring-Go		3A		22495		300.30							
GAGE - Ring-NoGo		2A		22496		300.30							
GAGE - Ring-NoGo		3A		22497		300.30							
1 1/16"-12 NS					<i>Recommended Hole Size based on 75% Thread = .9817"</i>								
HAND TAP	4		4	17714	17715	134.50	115.20	100.30	85.90	79.00	75.60	74.40	
HAND TAP	5	3B	4	16893	16894	66.20	66.20	66.20	62.70	62.70	62.70	56.70	
HAND TAP	7	2B	4	16897	16898	66.20	66.20	66.20	62.70	62.70	62.70	56.70	
TIN COAT/HAND	4		4		50031	150.50	130.90	116.30	101.60	94.90	91.60	90.20	
R.H. ROUND DIE 2"OD				13322		128.50	109.30	103.10	83.70	79.90	73.20	64.60	
GAGE - Taperlock Style		2B		24982		228.70							
GAGE - Taperlock Style		3B		24983		228.70							
GAGE - Ring-Go		2A		22498		214.50							
GAGE - Ring-Go		3A		22499		214.50							
GAGE - Ring-NoGo		2A		22500		214.50							
GAGE - Ring-NoGo		3A		22501		214.50							
1 1/16"-14 NS					<i>Recommended Hole Size based on 75% Thread = .9931"</i>								
HAND TAP	5	3B	6	16901	16902	121.30	91.90	90.20	62.70	62.70	62.70	56.70	
1 1/16"-16 NS					<i>Recommended Hole Size based on 75% Thread = 1.002"</i>								
HAND TAP	4	3B	6	16905	16906	121.30	91.90	90.20	62.70	62.70	62.70	56.70	
HAND TAP	6	2B	6	16909	16910	121.30	91.90	90.20	62.70	62.70	62.70	56.70	
R.H. ROUND DIE 2"OD				13326		128.50	109.30	103.10	83.70	79.90	73.20	64.60	
GAGE - Taperlock Style		2B		22502		195.80							
GAGE - Taperlock Style		3B		22503		195.80							
GAGE - Ring-Go		2A		22504		233.20							
GAGE - Ring-Go		3A		22505		233.20							
GAGE - Ring-NoGo		2A		22506		233.20							
GAGE - Ring-NoGo		3A		22507		233.20							
1 1/16"-18 NEF					<i>Recommended Hole Size based on 75% Thread = 1.008"</i>								
HAND TAP	4	3B	6	16913	16914	74.40	72.50	71.30	62.70	62.70	62.70	56.70	
HAND TAP	6	2B	6	16917	16918	101.90	88.40	74.90	62.70	62.70	62.70	56.70	
R.H. ROUND DIE 2"OD				13330		128.50	109.30	103.10	83.70	79.90	73.20	64.60	
GAGE - Taperlock Style		2B		23273		231.80							
GAGE - Taperlock Style		3B		23274		231.80							
GAGE - Ring-Go		2A		23674		265.30							
GAGE - Ring-Go		3A		23675		265.30							
GAGE - Ring-NoGo		2A		23676		265.30							
GAGE - Ring-NoGo		3A		23677		265.30							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
1 1/16"-20 NS					<i>Recommended Hole Size based on 75% Thread = 1.014"</i>								
HAND TAP	4	3B	6	16921	16922	147.30	119.10	98.20	82.40	69.70	62.70	56.70	
R.H. ROUND DIE 2"OD				13332		128.50	109.30	103.10	83.70	79.90	73.20	64.60	
GAGE - Taperlock Style		2B		22508		207.90							
GAGE - Taperlock Style		3B		22509		207.90							
GAGE - Ring-Go		2A		22510		233.20							
GAGE - Ring-Go		3A		22511		233.20							
GAGE - Ring-NoGo		2A		22512		233.20							
GAGE - Ring-NoGo		3A		22513		233.20							
1 1/16"-24 NS					<i>Recommended Hole Size based on 75% Thread = 1.021"</i>								
HAND TAP	4	3B	6	16925	16926	147.30	119.10	98.20	82.40	69.70	62.70	56.70	
1 1/8"-5 ACME					<i>Recommended Hole Size = .925"</i>								
HAND TAP		2G	4	16929		183.40	157.30	131.00	106.00	87.20	85.40	83.70	
L.H. HAND TAP		2G	4	16933		183.40	157.30	131.00	106.00	87.20	85.40	83.70	
TANDEM		2G	4	16935		300.50	258.60	227.30	204.90	195.10	185.40	171.10	
L.H. TANDEM		2G	4	16936		353.30	313.20	272.90	246.00	219.70	209.80	205.20	
1 1/8"-7 NC					<i>Recommended Hole Size based on 75% Thread = .9857"</i>								
L.H. HAND TAP	4	3B	4	16939	16940	125.50	122.00	120.50	112.80	101.50	89.20	85.40	
R.H. ROUND DIE 2-1/2"OD				13334		169.20	143.10	137.30	120.10	114.60	105.20	93.50	
L.H. ROUND DIE 2-1/2"OD				13335		169.20	143.10	137.30	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		23278		179.00							
GAGE - Taperlock Style		3B		23279		179.00							
GAGE - Ring-Go		2A		23680		249.30							
GAGE - Ring-Go		3A		23681		249.30							
GAGE - Ring-NoGo		2A		23682		249.30							
GAGE - Ring-NoGo		3A		23683		249.30							
GAGE - L.H. Taperlock Style		2B		22514		247.50							
GAGE - L.H. Taperlock Style		3B		22515		247.50							
GAGE - L.H. Ring-Go		2A		22516		293.70							
GAGE - L.H. Ring-NoGo		2A		22517		293.70							
GAGE - L.H. Ring-Go		3A		22518		293.70							
GAGE - L.H. Ring-NoGo		3A		22519		293.70							
1 1/8"-8 NS					<i>Recommended Hole Size based on 75% Thread = 1.003"</i>								
HAND TAP	5	3B	4	16943	16944	68.00	68.00	68.00	68.00	68.00	68.00	68.00	
TIN COAT/HAND	5	3B	4		50022	83.80	83.80	83.80	83.80	83.80	83.80	83.80	
R.H. ROUND DIE 2-1/2"OD				13464		169.20	143.10	137.30	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		22520		195.80							
GAGE - Taperlock Style		3B		22521		195.80							
GAGE - Ring-Go		2A		22522		233.20							
GAGE - Ring-Go		3A		22523		233.20							
GAGE - Ring-NoGo		2A		22524		233.20							
GAGE - Ring-NoGo		3A		22525		233.20							
1 1/8"-10 NS					<i>Recommended Hole Size based on 75% Thread = 1.027"</i>								
HAND TAP	5	3B	4	16947	16948	174.10	134.80	115.80	98.70	83.40	75.50	68.00	

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
1 1/8"-12 NF					<i>Recommended Hole Size based on 75% Thread = 1.044"</i>								
L.H. HAND TAP	4	3B	4	16951	16952	125.50	122.00	120.50	112.80	101.50	89.20	85.40	
HAND TAP	6	2B	4	16955	16956	174.10	134.80	115.80	98.70	83.40	75.50	68.00	
+ .005 HAND TAP	12	PLATING	4	17776	17777	174.10	134.80	115.80	98.70	83.40	75.50	68.00	
R.H. ROUND DIE 2-1/2"OD				13336		169.20	143.10	137.30	120.10	114.60	105.20	93.50	
L.H. ROUND DIE 2-1/2"OD				13337		169.20	143.10	137.30	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		23283		179.30							
GAGE - Taperlock Style		3B		23284		179.30							
GAGE - Ring-Go		2A		23686		249.90							
GAGE - Ring-Go		3A		23687		249.90							
GAGE - Ring-NoGo		2A		23688		249.90							
GAGE - Ring-NoGo		3A		23689		249.90							
GAGE - L.H. Taperlock Style		2B		22526		198.00							
GAGE - L.H. Taperlock Style		3B		22527		198.00							
GAGE - L.H. Ring-Go		2A		22528		232.70							
GAGE - L.H. Ring-Go		3A		22529		232.70							
GAGE - L.H. Ring-NoGo		2A		22530		232.70							
GAGE - L.H. Ring-NoGo		3A		22531		232.70							
1 1/8"-14 NS					<i>Recommended Hole Size based on 75% Thread = 1.055"</i>								
HAND TAP	5	3B	6	16959	16960	156.60	123.80	100.20	84.60	72.20	67.00	63.50	
1 1/8"-16 NS					<i>Recommended Hole Size based on 75% Thread = 1.064"</i>								
HAND TAP	4	3B	6	16963	16964	63.50	63.50	63.50	63.50	63.50	63.50	63.50	
R.H. ROUND DIE 2-1/2"OD				13340		169.20	143.10	137.30	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		22532		195.80							
GAGE - Taperlock Style		3B		22533		195.80							
GAGE - Ring-Go		2A		22534		233.20							
GAGE - Ring-Go		3A		22535		233.20							
GAGE - Ring-NoGo		2A		22536		233.20							
GAGE - Ring-NoGo		3A		22537		233.20							
1 1/8"-18 NEF					<i>Recommended Hole Size based on 75% Thread = 1.071"</i>								
HAND TAP	4	3B	6	16967	16968	73.40	71.50	69.90	63.50	63.50	63.50	63.50	
HAND TAP	6	2B	6	16971	16972	100.10	89.30	75.90	68.00	68.00	67.00	63.50	
R.H. ROUND DIE 2-1/2"OD				13342		169.20	143.10	137.30	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		23288		230.10							
GAGE - Taperlock Style		3B		23289		230.10							
GAGE - Ring-Go		2A		23692		265.30							
GAGE - Ring-Go		3A		23693		265.30							
GAGE - Ring-NoGo		2A		23694		265.30							
GAGE - Ring-NoGo		3A		23695		265.30							
1 1/8"-20 NS					<i>Recommended Hole Size based on 75% Thread = 1.076"</i>								
HAND TAP	4	3B	6	16975	16976	90.60	89.30	75.90	68.00	68.00	67.00	63.50	
R.H. ROUND DIE 2-1/2"OD				13344		169.20	143.10	137.30	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		22538		207.90							
GAGE - Taperlock Style		3B		22539		207.90							
GAGE - Ring-Go		2A		22540		233.20							
GAGE - Ring-Go		3A		22541		233.20							
GAGE - Ring-NoGo		2A		22542		233.20							
GAGE - Ring-NoGo		3A		22543		233.20							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
1 1/8"-24 NS					<i>Recommended Hole Size based on 75% Thread = 1.084"</i>								
HAND TAP	4	3B	6	16979	16980	158.30	124.70	100.20	85.50	73.70	67.00	63.50	
1 1/8"-28 NS					<i>Recommended Hole Size based on 75% Thread = 1.0903"</i>								
HAND TAP	4	3B	6	18114	18115	165.60	130.40	105.70	88.80	88.80	76.30	64.20	
GAGE - Taperlock Style		2B		22544		247.50							
GAGE - Taperlock Style		3B		22545		247.50							
GAGE - Ring-Go		2A		22546		344.30							
GAGE - Ring-Go		3A		22547		344.30							
GAGE - Ring-NoGo		2A		22548		344.30							
GAGE - Ring-NoGo		3A		22549		344.30							
1 1/8"-32 NS					<i>Recommended Hole Size based on 75% Thread = 1.095"</i>								
HAND TAP	4	3B	8	16987	16988	158.30	124.70	100.20	85.50	73.70	67.00	63.50	
1.173"-18													
N-06 LOCKNUT HEX DIE				13703		270.20	219.00	168.20	127.10				
1 3/16"-12 NS					<i>Recommended Hole Size based on 75% Thread = 1.106"</i>								
HAND TAP	5	3B	6	16991	16992	98.20	98.20	98.20	92.40	89.20	89.20	89.20	
R.H. ROUND DIE 2-1/2"OD				13346		169.20	143.10	137.30	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		24987		242.00							
GAGE - Taperlock Style		3B		24988		242.00							
GAGE - Ring-Go		2A		22550		238.70							
GAGE - Ring-Go		3A		22551		238.70							
GAGE - Ring-NoGo		2A		22552		238.70							
GAGE - Ring-NoGo		3A		22553		238.70							
1 3/16"-14 NS					<i>Recommended Hole Size based on 75% Thread = 1.118"</i>								
HAND TAP	5	3B	6	16995	16996	174.40	133.80	109.80	93.40	79.50	75.90	72.30	
1 3/16"-16 NS					<i>Recommended Hole Size based on 75% Thread = 1.127"</i>								
HAND TAP	4	3B	6	16999	17000	98.20	98.20	98.20	92.40	79.50	75.90	72.30	
HAND TAP	6	2B	6	17003	17004	98.20	98.20	98.20	92.40	79.50	75.90	72.30	
GAGE - Taperlock Style		2B		22554		195.80							
GAGE - Taperlock Style		3B		22555		195.80							
GAGE - Ring-Go		2A		22556		245.30							
GAGE - Ring-Go		3A		22557		245.30							
GAGE - Ring-NoGo		2A		22558		245.30							
GAGE - Ring-NoGo		3A		22559		245.30							
1 3/16"-18 NEF					<i>Recommended Hole Size based on 75% Thread = 1.134"</i>								
HAND TAP	4	3B	6	17007	17008	89.00	87.10	85.40	81.50	79.50	75.90	72.30	
HAND TAP	6	2B	6	17011	17012	122.00	106.70	93.40	86.20	81.30	75.90	72.30	
R.H. ROUND DIE 2-1/2"OD				13350		169.20	143.10	137.30	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		23293		247.70							
GAGE - Taperlock Style		3B		23294		247.70							
GAGE - Ring-Go		2A		23698		284.40							
GAGE - Ring-Go		3A		23699		284.40							
GAGE - Ring-NoGo		2A		23700		284.40							
GAGE - Ring-NoGo		3A		23701		284.40							

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BACK TO INDEX

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1 3/16"-20 NS					<i>Recommended Hole Size based on 75% Thread = 1.139"</i>								
HAND TAP	4	3B	6	17015	17016	174.40	133.80	109.80	93.40	79.50	75.90	72.30	
GAGE - Taperlock Style		2B		22560		207.90							
GAGE - Taperlock Style		3B		22561		207.90							
GAGE - Ring-Go		2A		22562		245.30							
GAGE - Ring-Go		3A		22563		245.30							
GAGE - Ring-NoGo		2A		22564		245.30							
GAGE - Ring-NoGo		3A		22565		245.30							
1 1/4"-5 ACME					<i>Recommended Hole Size = 1.050"</i>								
HAND TAP		2G	4	17019		203.70	174.50	146.60	122.70	118.60	113.70	108.10	
L.H. HAND TAP		2G	4	17023		203.70	174.50	146.60	122.70	118.60	113.70	108.10	
TANDEM		2G	4	17025		310.20	267.70	238.80	238.20	221.10	211.50	203.50	
L.H. TANDEM		2G	4	17026		373.10	321.50	287.80	281.20	259.10	234.60	217.50	
1 1/4"-7 NC					<i>Recommended Hole Size based on 75% Thread = 1.110"</i>								
L.H. HAND TAP	4	3B	4	17029	17030	160.50	158.30	134.10	119.60	101.40	92.10	86.50	
SPIRAL POINT	4	3B	3	17920		194.50	191.80	168.60	154.10	135.70	117.40	112.50	
HAND TAP	8	2B	4	17033	17034	186.10	158.30	134.10	119.60	101.40	92.10	86.50	
+ .005 HAND TAP	12	PLATING	4	17753	17754	186.10	158.30	134.10	119.60	101.40	92.10	86.50	
10" EXTENSION	4	3B	4	17037	17038	244.50	241.10	239.00	210.40	194.30	185.90	164.00	
12" EXTENSION	4	3B	4	17041	17042	279.30	275.40	273.10	244.50	229.60	221.70	199.00	
CARB-I-SERT TAP	4	3B	4	41570	41571	520.60	516.50	508.90	499.40	482.00	465.00	457.30	
R.H. ROUND DIE 2-1/2"OD				13352		169.20	143.10	137.30	120.10	114.60	105.20	93.50	
L.H. ROUND DIE 2-1/2"OD				13353		169.20	143.10	137.30	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		23298		192.10							
GAGE - Taperlock Style		3B		23299		192.10							
GAGE - Ring-Go		2A		23704		269.80							
GAGE - Ring-Go		3A		23705		269.80							
GAGE - Ring-NoGo		2A		23706		269.80							
GAGE - Ring-NoGo		3A		23707		269.80							
GAGE - L.H. Taperlock Style		2B		22566		248.60							
GAGE - L.H. Taperlock Style		3B		22567		248.60							
GAGE - L.H. Ring-Go		2A		22568		317.90							
GAGE - L.H. Ring-NoGo		2A		22569		317.90							
GAGE - L.H. Ring-Go		3A		22570		317.90							
GAGE - L.H. Ring-NoGo		3A		22571		317.90							
1 1/4"-8 NS					<i>Recommended Hole Size based on 75% Thread = 1.128"</i>								
HAND TAP	5	3B	4	17045	17046	81.50	81.50	81.50	81.50	81.50	81.50	81.50	
10" EXTENSION	5	3B	4	17049	17050	244.50	241.10	239.00	210.40	194.30	185.90	164.00	
12" EXTENSION	5	3B	4	17053	17054	279.30	275.40	273.10	244.50	229.60	221.70	199.00	
R.H. ROUND DIE 2-1/2"OD				13466		169.20	143.10	137.30	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		22572		195.80							
GAGE - Taperlock Style		3B		22573		195.80							
GAGE - Ring-Go		2A		22574		245.30							
GAGE - Ring-Go		3A		22575		245.30							
GAGE - Ring-NoGo		2A		22576		245.30							
GAGE - Ring-NoGo		3A		22577		245.30							
1 1/4"-10 NS					<i>Recommended Hole Size based on 75% Thread = 1.152"</i>								
HAND TAP	5	3B	4	17057	17058	186.10	158.30	134.10	119.60	101.40	92.10	86.50	

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BACK TO INDEX

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1 1/4"-11 55° WHITWORTH PIPE					<i>Recommended Hole Size: BSPT = 1.500" / BSPP = 1.5469"</i>								
BSPT TAPER - MODIFIED			5	17060	17061	147.80	147.80	147.80	147.80	147.80	147.80	147.80	147.80
BSPP PARALLEL - MODIFIED			5	17063	17064	147.80	147.80	147.80	147.80	147.80	147.80	147.80	147.80
BSPT TAPER - FULL FORM			5	17938		354.40	354.40	284.70	224.80	200.20	179.30	150.60	
BSPP PARALLEL - FULL FORM			5	17929		354.40	354.40	284.70	224.80	200.20	179.30	150.60	
GAGE BSPP-Mod. DBL END w/handle				27059		446.80							
GAGE BSPT-Mod. w/handle				27020		284.40							
1 1/4"-11 1/2 PIPE TAP NPS NPSF NPT/F					<i>Recommended Hole Size: NPT = 1.4844" / NPTF = 1.500" NPSC = 1.500" / NPSM = 1.5469" / NPSF = 1.5050"</i>								
NPT/F LEFT HAND TAPER			5	17066		224.10	170.90	156.80	137.80	128.20	123.50	109.30	
NPS STRAIGHT			5	17069		224.10	170.90	156.80	137.80	128.20	123.50	109.30	
NPSF STRAIGHT			5	17072		224.10	170.90	156.80	137.80	128.20	123.50	109.30	
GAGE L1 NPT PLG w/hdle				24389		128.60							
GAGE L1 NPT RING				24387		228.70							
GAGE L1 NPTF PLG w/hdle				24474		183.90							
GAGE L3 NPTF PLG w/hdle				24476		183.90							
GAGE NPTF 6 step Plain Plug w/handle				24552		216.80							
GAGE L1 NPTF RING				24514		239.40							
GAGE L2 NPTF RING				24516		348.50							
GAGE NPTF 6 step Plain Ring				24586		313.80							
1 1/4"-12 NF					<i>Recommended Hole Size based on 75% Thread = 1.169"</i>								
L.H. HAND TAP	4	3B	6	17076	17077	160.50	158.30	134.10	119.60	101.40	92.10	86.50	
HAND TAP	6	2B	6	17080	17081	188.30	158.30	134.10	119.60	101.40	92.10	86.50	
R.H. ROUND DIE 2-1/2"OD				13354		169.20	143.10	137.30	120.10	114.60	105.20	93.50	
L.H. ROUND DIE 2-1/2"OD				13355		169.20	143.10	137.30	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		23303		192.10							
GAGE - Taperlock Style		3B		23304		192.10							
GAGE - Ring-Go		2A		23710		269.80							
GAGE - Ring-Go		3A		23711		269.80							
GAGE - Ring-NoGo		2A		23712		269.80							
GAGE - Ring-NoGo		3A		23713		269.80							
GAGE - L.H. Taperlock Style		2B		22578		200.20							
GAGE - L.H. Taperlock Style		3B		22579		200.20							
GAGE - L.H. Ring-Go		2A		22580		244.80							
GAGE - L.H. Ring-NoGo		2A		22581		244.80							
GAGE - L.H. Ring-Go		3A		22582		244.80							
GAGE - L.H. Ring-NoGo		3A		22583		244.80							
1 1/4"-14 NS					<i>Recommended Hole Size based on 75% Thread = 1.180"</i>								
HAND TAP	5	3B	6	17084	17085	112.80	109.60	91.70	82.40	74.60	70.70	68.20	
1 1/4"-16 NS					<i>Recommended Hole Size based on 75% Thread = 1.189"</i>								
HAND TAP	4	3B	6	17088	17089	112.80	109.60	91.70	82.40	74.60	70.70	68.20	
R.H. ROUND DIE 2-1/2"OD				13356		165.90	140.40	134.80	117.80	112.50	103.20	91.90	
GAGE - Taperlock Style		2B		22584		195.80							
GAGE - Taperlock Style		3B		22585		195.80							
GAGE - Ring-Go		2A		22586		245.30							
GAGE - Ring-Go		3A		22587		245.30							
GAGE - Ring-NoGo		2A		22588		245.30							
GAGE - Ring-NoGo		3A		22589		245.30							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
1 1/4"-18 NEF						<i>Recommended Hole Size based on 75% Thread = 1.196"</i>							
HAND TAP	4	3B	6	17092	17093	89.90	88.10	84.60	82.40	74.60	70.70	68.20	
HAND TAP	6	2B	6	17096	17097	112.80	109.60	91.70	82.40	74.60	70.70	68.20	
R.H. ROUND DIE 2-1/2"OD				13358		165.90	140.40	134.80	117.80	112.50	103.20	91.90	
GAGE - Taperlock Style		2B		23308		247.70							
GAGE - Taperlock Style		3B		23309		247.70							
GAGE - Ring-Go		2A		23716		284.40							
GAGE - Ring-Go		3A		23717		284.40							
GAGE - Ring-NoGo		2A		23718		284.40							
GAGE - Ring-NoGo		3A		23719		284.40							
1 1/4"-20 NS						<i>Recommended Hole Size based on 75% Thread = 1.201"</i>							
HAND TAP	4	3B	6	17100	17101	112.80	109.60	91.70	82.40	74.60	70.70	68.20	
R.H. ROUND DIE 2-1/2"OD				13360		169.20	143.10	137.30	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		22590		207.90							
GAGE - Taperlock Style		3B		22591		207.90							
GAGE - Ring-Go		2A		22592		245.30							
GAGE - Ring-Go		3A		22593		245.30							
GAGE - Ring-NoGo		2A		22594		245.30							
GAGE - Ring-NoGo		3A		22595		245.30							
1 1/4"-24 NS						<i>Recommended Hole Size based on 75% Thread = 1.209"</i>							
HAND TAP	4	3B	8	17104	17105	169.30	138.30	114.60	100.00	75.90	72.10	69.50	
R.H. ROUND DIE 2-1/2"OD				13362		169.20	143.10	137.30	120.10	114.60	105.20	93.50	
1 1/4"-32 NS						<i>Recommended Hole Size based on 75% Thread = 1.219"</i>							
HAND TAP	4	3B	10	17108	17109	166.00	135.70	112.50	98.00	74.60	70.70	68.20	
1 5/16"-12 NS						<i>Recommended Hole Size based on 75% Thread = 1.232"</i>							
HAND TAP	5	3B	6	17112	17113	80.10	80.10	80.10	80.10	80.10	80.10	80.10	
HAND TAP	8	2B	6	17116	17117	85.10	85.10	85.10	80.10	80.10	80.10	80.10	
R.H. ROUND DIE 2-1/2"OD				13364		175.90	151.30	142.00	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		24992		265.30							
GAGE - Taperlock Style		3B		24993		265.30							
GAGE - Ring-Go		2A		22596		244.20							
GAGE - Ring-Go		3A		22597		244.20							
GAGE - Ring-NoGo		2A		22598		244.20							
GAGE - Ring-NoGo		3A		22599		244.20							
1 5/16"-16 NS						<i>Recommended Hole Size based on 75% Thread = 1.252"</i>							
HAND TAP	4	3B	6	17124	17125	124.00	121.40	112.60	101.20	87.30	78.30	73.40	
HAND TAP	6	2B	6	17128	17129	124.00	121.40	112.60	101.20	87.30	78.30	73.40	
GAGE - Taperlock Style		2B		22600		207.90							
GAGE - Taperlock Style		3B		22601		207.90							
GAGE - Ring-Go		2A		22602		257.40							
GAGE - Ring-Go		3A		22603		257.40							
GAGE - Ring-NoGo		2A		22604		257.40							
GAGE - Ring-NoGo		3A		22605		257.40							
1 5/16"-18 NEF						<i>Recommended Hole Size based on 75% Thread = 1.259"</i>							
HAND TAP	4	3B	6	17132	17133	104.00	99.80	98.70	97.20	87.30	78.30	73.40	
HAND TAP	6	2B	6	17136	17137	139.70	121.40	112.60	101.20	87.30	78.30	73.40	
R.H. ROUND DIE 2-1/2"OD				13370		175.90	151.30	142.00	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		23313		274.10							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
1 5/16"-18 NEF					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - Taperlock Style		3B		23314		274.10							
GAGE - Ring-Go		2A		23722		293.20							
GAGE - Ring-Go		3A		23723		293.20							
GAGE - Ring-NoGo		2A		23724		293.20							
GAGE - Ring-NoGo		3A		23725		293.20							
1 5/16"-20 NS					<i>Recommended Hole Size based on 75% Thread = 1.264"</i>								
HAND TAP	4	3B	6	17140	17141	139.70	121.40	112.60	101.20	87.30	78.30	73.40	
GAGE - Taperlock Style		2B		22606		220.00							
GAGE - Taperlock Style		3B		22607		220.00							
GAGE - Ring-Go		2A		22608		257.40							
GAGE - Ring-Go		3A		22609		257.40							
GAGE - Ring-NoGo		2A		22610		257.40							
GAGE - Ring-NoGo		3A		22611		257.40							
1 3/8"-4 ACME					<i>Recommended Hole = 1.1250"</i>								
HAND TAP		2G	4	17144		230.10	194.60	160.60	141.00	126.20	120.50	117.70	
L.H. HAND TAP		2G	4	17148		230.10	194.60	160.60	141.00	126.20	120.50	117.70	
TANDEM		2G	4	17150		347.60	306.90	276.30	249.50	240.60	233.90	231.60	
1 3/8"-6 NC					<i>Recommended Hole Size based on 75% Thread = 1.212"</i>								
L.H. HAND TAP	4	3B	4	17154	17155	197.30	191.80	189.60	168.30	150.70	132.60	119.10	
R.H. ROUND DIE 2-1/2"OD				13372		175.90	151.30	142.00	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		23318		215.50							
GAGE - Taperlock Style		3B		23319		215.50							
GAGE - Ring-Go		2A		23728		278.50							
GAGE - Ring-Go		3A		23729		278.50							
GAGE - Ring-NoGo		2A		23730		278.50							
GAGE - Ring-NoGo		3A		23731		278.50							
GAGE - L.H. Taperlock Style		2B		22612		258.50							
GAGE - L.H. Taperlock Style		3B		22613		258.50							
GAGE - L.H. Ring-Go		2A		22614		293.70							
GAGE - L.H. Ring-NoGo		2A		22615		293.70							
GAGE - L.H. Ring-Go		3A		22616		293.70							
GAGE - L.H. Ring-NoGo		3A		22617		293.70							
1 3/8"-8 NS					<i>Recommended Hole Size based on 75% Thread = 1.253"</i>								
HAND TAP	5	3B	4	17158	17159	108.70	108.70	108.70	108.70	108.70	108.70	108.70	
R.H. ROUND DIE 2-1/2"OD				13468		175.90	151.30	142.00	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		22618		207.90							
GAGE - Taperlock Style		3B		22619		207.90							
GAGE - Ring-Go		2A		22620		294.80							
GAGE - Ring-Go		3A		22621		294.80							
GAGE - Ring-NoGo		2A		22622		294.80							
GAGE - Ring-NoGo		3A		22623		294.80							
1 3/8"-12 NF					<i>Recommended Hole Size based on 75% Thread = 1.294"</i>								
L.H. HAND TAP	4	3B	6	17166	17167	197.30	191.80	189.60	168.30	150.70	132.60	119.10	
CARB-I-SERT TAP	4	3B	4	41573	41574	579.20	560.50	547.00	524.50	516.60	502.50	483.80	
R.H. ROUND DIE 2-1/2"OD				13374		175.90	151.30	142.00	120.10	114.60	105.20	93.50	
L.H. ROUND DIE 2-1/2"OD				13375		175.90	151.30	142.00	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		23323		215.50							
GAGE - Taperlock Style		3B		23324		215.50							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
1 3/8"-12 NF					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - Ring-Go		2A		23734		278.50							
GAGE - Ring-Go		3A		23735		278.50							
GAGE - Ring-NoGo		2A		23736		278.50							
GAGE - Ring-NoGo		3A		23737		278.50							
GAGE - L.H. Taperlock Style		2B		22624		209.00							
GAGE - L.H. Taperlock Style		3B		22625		209.00							
GAGE - L.H. Ring-Go		2A		22626		256.90							
GAGE - L.H. Ring-NoGo		2A		22627		256.90							
GAGE - L.H. Ring-Go		3A		22628		256.90							
GAGE - L.H. Ring-NoGo		3A		22629		256.90							
1 3/8"-16 NS					<i>Recommended Hole Size based on 75% Thread = 1.314"</i>								
HAND TAP	4	3B	6	17170	17171	120.50	118.80	110.90	96.80	89.10	85.40	78.40	
R.H. ROUND DIE 2-1/2"OD				13378		175.90	151.30	142.00	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		22630		207.90							
GAGE - Taperlock Style		3B		22631		207.90							
GAGE - Ring-Go		2A		22632		257.40							
GAGE - Ring-Go		3A		22633		257.40							
GAGE - Ring-NoGo		2A		22634		257.40							
GAGE - Ring-NoGo		3A		22635		257.40							
1 3/8"-18 NEF					<i>Recommended Hole Size based on 75% Thread = 1.321"</i>								
HAND TAP	4	3B	6	17174	17175	100.70	100.20	99.80	96.80	89.10	85.40	78.40	
HAND TAP	6	2B	6	17178	17179	120.50	118.80	110.90	96.80	89.10	85.40	78.40	
R.H. ROUND DIE 2-1/2"OD				13380		175.90	151.30	142.00	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		23328		274.10							
GAGE - Taperlock Style		3B		23329		274.10							
GAGE - Ring-Go		2A		23740		293.20							
GAGE - Ring-Go		3A		23741		293.20							
GAGE - Ring-NoGo		2A		23742		293.20							
GAGE - Ring-NoGo		3A		23743		293.20							
1 3/8"-20 NS					<i>Recommended Hole Size based on 75% Thread = 1.326"</i>								
HAND TAP	4	3B	6	17182	17183	190.30	150.80	126.90	108.70	94.60	87.30	82.20	
R.H. ROUND DIE 2-1/2"OD				13382		175.90	151.30	142.00	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		22636		220.00							
GAGE - Taperlock Style		3B		22637		220.00							
GAGE - Ring-Go		2A		22638		258.50							
GAGE - Ring-Go		3A		22639		258.50							
GAGE - Ring-NoGo		2A		22640		258.50							
GAGE - Ring-NoGo		3A		22641		258.50							
1 7/16"-18 NEF					<i>Recommended Hole Size based on 75% Thread = 1.384"</i>								
HAND TAP	4	3B	6	17186	17187	115.20	114.60	114.30	109.60	101.60	100.30	83.20	
HAND TAP	6	2B	6	17190	17191	161.60	146.60	130.40	120.50	110.80	100.30	83.20	
GAGE - Taperlock Style		2B		23333		285.90							
GAGE - Taperlock Style		3B		23334		285.90							
GAGE - Ring-Go		2A		23746		315.00							
GAGE - Ring-Go		3A		23747		315.00							
GAGE - Ring-NoGo		2A		23748		315.00							
GAGE - Ring-NoGo		3A		23749		315.00							

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BACK TO INDEX

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1 1/2"-4 ACME					<i>Recommended Hole Size = 1.250"</i>								
HAND TAP		2G	4	17194		253.40	210.40	168.00	153.30	150.70	149.70	147.40	
L.H. HAND TAP		2G	4	17198		253.40	210.40	168.00	153.30	150.70	149.70	147.40	
TANDEM		2G	4	17200		371.30	346.30	301.70	296.70	291.60	285.70	279.10	
L.H. TANDEM		2G	4	17201		448.00	415.90	357.80	330.10	316.90	300.70	279.10	
1 1/2"-6 NC					<i>Recommended Hole Size based on 75% Thread = 1.337"</i>								
L.H. HAND TAP	4	3B	4	17204	17205	230.10	223.60	220.80	208.80	175.00	158.30	135.50	
10" EXTENSION	4	3B	4	17208	17209	313.90	309.90	306.90	280.20	260.40	250.40	226.70	
12" EXTENSION	4	3B	4	17212	17213	363.30	358.70	355.30	329.20	309.30	299.50	270.90	
CARB-I-SERT TAP	4	3B	4	41576	41577	585.50	571.50	560.50	535.40	524.50	507.10	493.80	
R.H. ROUND DIE 2-1/2"OD				13392		175.90	151.30	142.00	120.10	114.60	105.20	93.50	
L.H. ROUND DIE 2-1/2"OD				13393		175.90	151.30	142.00	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		23338		236.00							
GAGE - Taperlock Style		3B		23339		236.00							
GAGE - Ring-Go		2A		23752		297.70							
GAGE - Ring-Go		3A		23753		297.70							
GAGE - Ring-NoGo		2A		23754		297.70							
GAGE - Ring-NoGo		3A		23755		297.70							
GAGE - L.H. Taperlock Style		2B		22642		270.60							
GAGE - L.H. Taperlock Style		3B		22643		270.60							
GAGE - L.H. Ring-Go		2A		22644		317.90							
GAGE - L.H. Ring-NoGo		2A		22645		317.90							
GAGE - L.H. Ring-Go		3A		22646		317.90							
GAGE - L.H. Ring-NoGo		3A		22647		317.90							
1 1/2"-8 NS					<i>Recommended Hole Size based on 75% Thread = 1.378"</i>								
HAND TAP	5	3B	6	17216	17217	117.50	117.50	117.50	117.50	117.50	117.50	117.50	
10" EXTENSION	5	3B	4	17220	17221	313.90	309.90	306.90	280.20	260.40	250.40	226.70	
12" EXTENSION	5	3B	4	17224	17225	363.30	358.70	355.30	329.20	309.30	299.50	270.90	
R.H. ROUND DIE 2-1/2"OD				13470		175.90	151.30	142.00	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		22648		220.00							
GAGE - Taperlock Style		3B		22649		220.00							
GAGE - Ring-Go		2A		22650		275.00							
GAGE - Ring-Go		3A		22651		275.00							
GAGE - Ring-NoGo		2A		22652		275.00							
GAGE - Ring-NoGo		3A		22653		275.00							
1 1/2"-10 NS					<i>Recommended Hole Size based on 75% Thread = 1.402"</i>								
HAND TAP	5	3B	6	17228	17229	235.20	199.30	171.70	160.60	142.20	132.30	117.50	
1 1/2"-11 55° WHITWORTH PIPE					<i>Recommended Hole Size: BSPT = 1.750" / BSPP = 1.7656"</i>								
BSPT TAPER - MODIFIED			7	17231	17232	193.50	193.50	193.50	193.50	193.50	193.50	193.50	
BSPP PARALLEL - MODIFIED			7	17234	17235	193.50	193.50	193.50	193.50	193.50	193.50	193.50	
BSPT TAPER - FULL FORM			7	17939		414.80	403.30	333.00	273.80	249.90	228.50	199.90	
BSPP PARALLEL - FULL FORM			7	17930		414.80	403.30	333.00	273.80	249.90	228.50	199.90	
GAGE BSPP DBL END w/handle				27062		489.60							
GAGE BSPT w/handle				27023		305.40							
1 1/2"-11 1/2 PIPE NPS NPT/F					<i>Recommended Hole Size: NPT/NPTF = 1.7344" NPSC = 1.750" / NPSM = 1.7913"</i>								
NPT/F LEFT HAND TAPER			7	17237		274.30	227.00	208.20	170.80	163.40	159.80	141.50	
NPS STRAIGHT			7	17240		274.30	227.00	208.20	170.80	163.40	159.80	141.50	

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
1 1/2"-11 1/2 PIPE NPS NPT/F				<i>See Previous Page for Recommended Hole Size</i>									
GAGE L1 NPT PLG w/handle				24392		140.60							
GAGE L1 NPT RING				24390		272.10							
GAGE L1 NPTF PLG w/handle				24482		214.00							
GAGE L3 NPTF PLG w/handle				24484		214.00							
GAGE NPTF 6 step Plain Plug w/handle				24556		239.40							
GAGE L1 NPTF RING				24518		284.10							
GAGE L2 NPTF RING				24520		381.40							
GAGE NPTF 6 step Plain Ring				24590		361.90							
1 1/2"-12 NF				<i>Recommended Hole Size based on 75% Thread = 1.419"</i>									
L.H. HAND TAP	4	3B	6	17244	17245	272.70	267.10	227.90	205.70	175.00	158.30	135.50	
HAND TAP	6	2B	6	17248	17249	240.10	199.30	173.40	162.30	142.20	123.90	111.30	
R.H. ROUND DIE 2-1/2" OD				13394		175.90	151.30	142.00	120.10	114.60	105.20	93.50	
L.H. ROUND DIE 2-1/2" OD				13395		175.90	151.30	142.00	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		23343		236.00							
GAGE - Taperlock Style		3B		23344		236.00							
GAGE - Ring-Go		2A		23758		297.70							
GAGE - Ring-Go		3A		23759		297.70							
GAGE - Ring-NoGo		2A		23760		297.70							
GAGE - Ring-NoGo		3A		23761		297.70							
GAGE - L.H. Taperlock Style		2B		22654		222.20							
GAGE - L.H. Taperlock Style		3B		22655		222.20							
GAGE - L.H. Ring-Go		2A		22656		275.00							
GAGE - L.H. Ring-NoGo		2A		22657		275.00							
GAGE - L.H. Ring-Go		3A		22658		275.00							
GAGE - L.H. Ring-NoGo		3A		22659		275.00							
1 1/2"-16 NS				<i>Recommended Hole Size based on 75% Thread = 1.439"</i>									
HAND TAP	4	3B	6	17252	17253	183.80	136.30	134.80	106.80	100.00	96.50	95.70	
R.H. ROUND DIE 2-1/2" OD				13398		175.90	151.30	142.00	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		22660		220.00							
GAGE - Taperlock Style		3B		22661		220.00							
GAGE - Ring-Go		2A		22662		275.00							
GAGE - Ring-Go		3A		22663		275.00							
GAGE - Ring-NoGo		2A		22664		275.00							
GAGE - Ring-NoGo		3A		22665		275.00							
1 1/2"-18 NEF				<i>Recommended Hole Size based on 75% Thread = 1.446"</i>									
HAND TAP	4	3B	6	17256	17257	110.30	109.30	107.90	106.80	100.00	96.50	95.70	
HAND TAP	6	2B	6	17260	17261	161.00	136.30	134.80	106.80	100.00	96.50	95.70	
R.H. ROUND DIE 2-1/2" OD				13400		175.90	151.30	142.00	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		23348		288.90							
GAGE - Taperlock Style		3B		23349		288.90							
GAGE - Ring-Go		2A		23764		315.00							
GAGE - Ring-Go		3A		23765		315.00							
GAGE - Ring-NoGo		2A		23766		315.00							
GAGE - Ring-NoGo		3A		23767		315.00							
1 1/2"-20 NS				<i>Recommended Hole Size based on 75% Thread = 1.451"</i>									
HAND TAP	4	3B	6	17264	17265	183.80	136.30	134.80	106.80	100.00	96.50	95.70	
R.H. ROUND DIE 2-1/2" OD				13402		175.90	151.30	142.00	120.10	114.60	105.20	93.50	
GAGE - Taperlock Style		2B		22666		233.20							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
1 1/2"-20 NS					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - Taperlock Style		3B		22667		233.20							
GAGE - Ring-Go		2A		22668		275.00							
GAGE - Ring-Go		3A		22669		275.00							
GAGE - Ring-NoGo		2A		22670		275.00							
GAGE - Ring-NoGo		3A		22671		275.00							
1 1/2"-24 NS					<i>Recommended Hole Size based on 75% Thread = 1.459"</i>								
HAND TAP	4	3B	8	17268	17269	200.30	151.80	134.80	106.80	100.00	96.50	95.70	
1 9/16"-16 NS					<i>Recommended Hole Size based on 75% Thread = 1.502"</i>								
HAND TAP	5	3B	6	17272	17273	248.20	206.50	175.00	164.80	146.10	134.10	128.40	
1 9/16"-18 NEF					<i>Recommended Hole Size based on 75% Thread = 1.509"</i>								
HAND TAP	5	3B	6	17276	17277	179.10	175.10	175.00	164.80	146.10	134.10	128.40	
R.H. ROUND DIE 3" OD				13408		258.80	250.90	242.30	202.70	193.50	177.30	163.60	
1 5/8"-5 1/2 NS					<i>Recommended Hole Size based on 75% Thread = 1.448"</i>								
HAND TAP	7	3B	6	17280	17281	244.50	202.70	174.50	170.10	157.10	155.80	152.60	
1 5/8"-8 NS					<i>Recommended Hole Size based on 75% Thread = 1.503"</i>								
HAND TAP	6	3B	6	17284	17285	158.20	158.20	158.20	158.20	156.30	154.70	151.50	
1 5/8"-12 NS					<i>Recommended Hole Size based on 75% Thread = 1.544"</i>								
HAND TAP	4	3B	6	17908	17909	198.70	147.30	145.30	119.90	119.90	119.90	119.90	
HAND TAP	6	2B	6	17288	17289	119.90	119.90	119.90	119.90	119.90	119.90	119.90	
R.H. ROUND DIE 3" OD				13412		258.80	250.90	242.30	202.70	193.50	177.30	163.60	
GAGE - Trilock Style		2B		22672		250.80							
GAGE - Trilock Style		3B		22673		250.80							
GAGE - Ring-Go		2A		22674		288.20							
GAGE - Ring-Go		3A		22675		288.20							
GAGE - Ring-NoGo		2A		22676		288.20							
GAGE - Ring-NoGo		3A		22677		288.20							
1 5/8"-16 NS					<i>Recommended Hole Size based on 75% Thread = 1.564"</i>								
HAND TAP	5	3B	6	17292	17293	198.70	147.30	145.30	119.90	119.90	119.90	119.90	
R.H. ROUND DIE 3" OD				13414		258.80	250.90	242.30	202.70	193.50	177.30	163.60	
1 5/8"-18 NEF					<i>Recommended Hole Size based on 75% Thread = 1.571"</i>								
HAND TAP	5	3B	6	17296	17297	198.70	147.30	145.30	119.90	119.90	119.90	119.90	
R.H. ROUND DIE 3" OD				13416		258.80	250.90	242.30	202.70	193.50	177.30	163.60	
1 3/4"-5 NC					<i>Recommended Hole Size based on 75% Thread = 1.555"</i>								
HAND TAP	7	3B	6	17300	17301	253.40	212.00	184.60	176.40	164.00	159.90	156.40	
R.H. ROUND DIE 3" OD				13420		258.80	250.90	242.30	202.70	193.50	177.30	163.60	
1 3/4"-8 NS					<i>Recommended Hole Size based on 75% Thread = 1.628"</i>								
HAND TAP	6	3B	6	17304	17305	184.60	184.60	184.60	176.40	164.00	159.90	156.40	
R.H. ROUND DIE 3" OD				13474		258.80	250.90	242.30	202.70	193.50	177.30	163.60	
1 3/4"-10 NS					<i>Recommended Hole Size based on 75% Thread = 1.652"</i>								
HAND TAP	6	3B	6	17308	17309	250.10	196.40	179.90	173.00	160.50	156.80	153.20	

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
1 3/4"-12 NS						<i>Recommended Hole Size based on 75% Thread = 1.669"</i>							
HAND TAP	6	3B	6	17312	17313	145.30	145.30	145.30	145.30	145.30	145.30	145.30	145.30
HAND TAP	8	2B	6	17316	17317	219.20	184.50	179.90	173.00	160.50	150.50	149.50	
R.H. ROUND DIE 3" OD				13422		258.80	250.90	242.30	202.70	193.50	177.30	163.60	
GAGE - Trilock Style		2B		22678		262.90							
GAGE - Trilock Style		3B		22679		262.90							
GAGE - Ring-Go		2A		22680		300.30							
GAGE - Ring-Go		3A		22681		300.30							
GAGE - Ring-NoGo		2A		22682		300.30							
GAGE - Ring-NoGo		3A		22683		300.30							
1 3/4"-16 NS						<i>Recommended Hole Size based on 75% Thread = 1.689"</i>							
HAND TAP	5	3B	6	17320	17321	219.20	184.50	179.90	149.50	149.50	149.50	149.50	
HAND TAP	7	2B	6	17324	17325	235.50	196.40	179.90	173.00	160.50	156.80	153.20	
R.H. ROUND DIE 3" OD				13426		258.80	250.90	242.30	202.70	193.50	177.30	163.60	
1 3/4"-18 NS						<i>Recommended Hole Size based on 75% Thread = 1.696"</i>							
HAND TAP	5	3B	6	17328	17329	235.50	196.40	179.90	173.00	160.50	156.80	153.20	
R.H. ROUND DIE 3" OD				13428		258.80	250.90	242.30	202.70	193.50	177.30	163.60	
1 7/8"-5 NS						<i>Recommended Hole Size based on 75% Thread = 1.680"</i>							
HAND TAP	7	3B	6	17332	17333	288.60	257.10	253.20	209.70	205.40	203.00	192.00	
1 7/8"-8 NS						<i>Recommended Hole Size based on 75% Thread = 1.753"</i>							
HAND TAP	6	3B	6	17336	17337	211.00	211.00	211.00	208.20	205.40	203.00	192.00	
R.H. ROUND DIE 3" OD				13476		258.80	250.90	242.30	202.70	193.50	177.30	163.60	
1 7/8"-12 NS						<i>Recommended Hole Size based on 75% Thread = 1.794"</i>							
HAND TAP	6	3B	6	17340	17341	153.30	153.30	153.30	153.30	153.30	153.30	153.30	
HAND TAP	8	2B	6	17344	17345	246.50	220.80	197.60	182.50	168.30	153.30	153.30	
R.H. ROUND DIE 3" OD				13436		258.80	250.90	242.30	202.70	193.50	177.30	163.60	
GAGE - Trilock Style		2B		22684		275.00							
GAGE - Trilock Style		3B		22685		275.00							
GAGE - Ring-Go		2A		22686		312.40							
GAGE - Ring-Go		3A		22687		312.40							
GAGE - Ring-NoGo		2A		22688		312.40							
GAGE - Ring-NoGo		3A		22689		312.40							
1 7/8"-16 NS						<i>Recommended Hole Size based on 75% Thread = 1.814"</i>							
HAND TAP	5	3B	6	17348	17349	235.30	195.10	191.20	157.50	157.50	153.30	153.30	
R.H. ROUND DIE 3" OD				13438		258.80	250.90	242.30	202.70	193.50	177.30	163.60	
2"-4 1/2 NC						<i>Recommended Hole Size based on 75% Thread = 1.783"</i>							
HAND TAP	7	3B	6	17354	17355	296.30	260.60	257.50	220.80	214.60	211.50	200.40	
R.H. ROUND DIE 3" OD				13446		265.50	257.50	249.00	202.70	193.50	177.30	163.60	
2"-8 NS						<i>Recommended Hole Size based on 75% Thread = 1.878"</i>							
HAND TAP	6	3B	6	17358	17359	227.70	227.70	227.70	220.80	214.60	211.50	200.40	
R.H. ROUND DIE 3" OD				13478		265.50	257.50	249.00	202.70	193.50	177.30	163.60	

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

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2"-11 55° WHITWORTH PIPE					<i>Recommended Hole Size: BSPT = 2.2188" / BSPP = 2.250"</i>								
BSPT TAPER - MODIFIED			7	17361	17362	287.40	274.70	265.70	258.40	258.40	258.40	258.40	
BSPP PARALLEL - MODIFIED			7	17364	17365	287.40	274.70	265.70	258.40	258.40	258.40	258.40	
BSPT TAPER - FULL FORM			7	17940		615.90	487.40	409.60	341.40	317.80	294.50	261.90	
BSPP PARALLEL - FULL FORM			7	17931		615.90	487.40	409.60	341.40	317.80	294.50	261.90	
2"-11 1/2 NPS NPT					<i>Recommended Hole Size: NPSC = 2.2188" / NPSM = 2.2638"</i>								
NPS STRAIGHT			7	17370		327.10	297.30	263.00	244.30	230.10	216.00	216.00	
GAGE L1 NPT PLG w/handle				24395		169.10							
GAGE L1 NPT RING				24393		329.00							
2"-12 NS					<i>Recommended Hole Size based on 75% Thread = 1.919"</i>								
HAND TAP	6	3B	6	17374	17375	170.70	170.70	170.70	170.70	170.70	170.70	170.70	
HAND TAP	8	2B	6	17378	17379	253.70	223.20	220.70	200.40	185.10	170.70	170.70	
R.H. ROUND DIE 3" OD				13452		265.50	257.50	249.00	202.70	193.50	177.30	163.60	
GAGE - Trilock Style		2B		22690		300.30							
GAGE - Trilock Style		3B		22691		300.30							
GAGE - Ring-Go		2A		22692		330.00							
GAGE - Ring-Go		3A		22693		330.00							
GAGE - Ring-NoGo		2A		22694		330.00							
GAGE - Ring-NoGo		3A		22695		330.00							
2"-16 NS					<i>Recommended Hole Size based on 75% Thread = 1.939"</i>								
HAND TAP	5	3B	6	17382	17383	170.70	170.70	170.70	170.70	170.70	170.70	170.70	
R.H. ROUND DIE 3" OD				13456		265.50	257.50	249.00	202.70	193.50	177.30	163.60	
2"-20 NS					<i>Recommended Hole Size based on 75% Thread = 1.951"</i>								
HAND TAP	5	3B	8	17386	17387	275.80	244.50	228.50	207.90	185.10	170.70	170.70	
R.H. ROUND DIE 3" OD				13460		265.50	257.50	249.00	202.70	193.50	177.30	163.60	
2 1/8"-8 NS					<i>Recommended Hole Size based on 75% Thread = 2.003"</i>								
HAND TAP	6	3B	6	17390	17391	252.90	252.90	252.90	252.90	252.90	252.90	252.90	
2 1/8"-12 NS					<i>Recommended Hole Size based on 75% Thread = 2.044"</i>								
HAND TAP	6	3B	6	17394	17395	220.90	216.00	213.00	202.30	199.30	195.80	187.90	
2-1/8"-16 NS					<i>Recommended Hole Size based on 75% Thread = 2.064"</i>								
HAND TAP	5	3B	6	17398	17399	282.20	263.30	239.00	202.30	199.30	195.80	187.90	
2-1/4"-4 1/2 NC					<i>Recommended Hole Size based on 75% Thread = 2.033"</i>								
HAND TAP	7	3B	6	17402	17403	360.60	360.60	360.60	286.90	283.40	281.50	278.10	
2 1/4"-8 NS					<i>Recommended Hole Size based on 75% Thread = 2.128"</i>								
HAND TAP	6	3B	6	17406	17407	275.40	275.40	275.40	275.40	275.40	275.40	275.40	
2 1/4"-12 NS					<i>Recommended Hole Size based on 75% Thread = 2.169"</i>								
HAND TAP	6	3B	6	17410	17411	227.00	220.40	217.60	215.40	215.40	215.40	215.40	
GAGE - Trilock Style		2B		22696		277.20							
GAGE - Trilock Style		3B		22697		277.20							
GAGE - Ring-Go		2A		22698		360.80							
GAGE - Ring-Go		3A		22699		360.80							

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
2 1/4"-12 NS						<i>See Previous Page for Recommended Hole Size</i>							
GAGE - Ring-NoGo		2A		22700		360.80							
GAGE - Ring-NoGo		3A		22701		360.80							
2 1/4"-16 NS						<i>Recommended Hole Size based on 75% Thread = 2.189"</i>							
HAND TAP	5	3B	6	17414	17415	317.70	269.60	265.90	244.50	230.10	225.70	215.40	
2 3/8"-8 NS						<i>Recommended Hole Size based on 75% Thread = 2.253"</i>							
HAND TAP	6	3B	6	17418	17419	337.30	337.30	337.30	322.60	322.60	322.60	322.60	
2 3/8"-12 NS						<i>Recommended Hole Size based on 75% Thread = 2.294"</i>							
HAND TAP	6	3B	6	17422	17423	285.00	285.00	285.00	274.00	274.00	274.00	274.00	
2 3/8"-16 NS						<i>Recommended Hole Size based on 75% Thread = 2.314"</i>							
HAND TAP	5	3B	6	17426	17427	352.00	306.10	285.00	274.00	274.00	274.00	274.00	
2 1/2"-4 NC						<i>Recommended Hole Size based on 75% Thread = 2.256"</i>							
HAND TAP	7	3B	6	17430	17431	408.90	408.90	408.90	362.30	358.90	353.90	347.60	
2 1/2"-8 NS						<i>Recommended Hole Size based on 75% Thread = 2.378"</i>							
HAND TAP	6	3B	6	17434	17435	396.90	396.90	396.90	362.30	358.90	353.90	347.60	
2 1/2"-8 NPT/F						<i>Recommended Hole Size: NPT = 2.625" / NPTF = 2.6406"</i>							
NPT/F TAPER			7	17437		587.00	478.90	457.30	428.90	400.80	380.50	377.40	
GAGE L1 NPT PLG w/handle				24398		232.40							
GAGE L1 NPT RING				24396		398.80							
2 1/2"-12 NS						<i>Recommended Hole Size based on 75% Thread = 2.419"</i>							
HAND TAP	6	3B	6	17444	17445	285.30	285.30	285.30	285.30	285.30	285.30	285.30	
GAGE - Trilock Style		2B		22702		348.70							
GAGE - Trilock Style		3B		22703		348.70							
GAGE - Ring-Go		2A		22704		372.90							
GAGE - Ring-Go		3A		22705		372.90							
GAGE - Ring-NoGo		2A		22706		372.90							
GAGE - Ring-NoGo		3A		22707		372.90							
2 1/2"-16 NS						<i>Recommended Hole Size based on 75% Thread = 2.439"</i>							
HAND TAP	5	3B	6	17448	17449	397.80	348.80	344.10	301.80	285.30	285.30	285.30	
2 3/4"-12 NS						<i>Recommended Hole Size based on 75% Thread = 2.669"</i>							
HAND TAP	7	3B	6	17460	17461	337.90	337.90	337.90	337.90	337.90	337.90	337.90	
3"-4 NC						<i>Recommended Hole Size based on 75% Thread = 2.756"</i>							
HAND TAP	9	3B	6	17468	17469	627.90	614.80	579.00					
3"-8 NS						<i>Recommended Hole Size based on 75% Thread = 2.878"</i>							
HAND TAP	8	3B	6	17472	17473	627.90	614.80	579.00					

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
3"-8 NPT/F						<i>Recommended Hole Size: NPT/F = 3.265"</i>							
NPT/F TAPER			9	17475		690.50	605.30	570.70					
NPT/F TAPER INT THD			9	17478		743.60	657.10	622.80					
GAGE L1 NPT PLG w/handle				24401		270.90							
GAGE L1 NPT RING				24399		495.30							
3"-12 NS						<i>Recommended Hole Size based on 75% Thread = 2.919"</i>							
HAND TAP	7	3B	8	17482	17483	503.10	471.20	471.20					
3"-16 NS						<i>Recommended Hole Size based on 75% Thread = 2.939"</i>							
HAND TAP	5	3B	8	17486	17487	535.40	496.30	471.20					
3 1/8"-12 NS						<i>Recommended Hole Size based on 75% Thread = 3.0442"</i>							
HAND TAP	7	2B	8	17490	17491	849.90	779.70	761.40					
3 1/4"-8 NS						<i>Recommended Hole Size based on 75% Thread = 3.1281"</i>							
HAND TAP	8	3B	6	17499	17500	1086.90	1006.80	986.70					
3 1/4"-12 NS						<i>Recommended Hole Size based on 75% Thread = 3.1692"</i>							
HAND TAP	7	2B	8	17503	17504	895.10	819.90	799.80					
3 1/2"-4 NC						<i>Recommended Hole Size based on 75% Thread = 3.256"</i>							
HAND TAP	9	3B	6	17507	17508	1285.60	1205.50	1185.50					
3 1/2"-8 NS						<i>Recommended Hole Size based on 75% Thread = 3.378"</i>							
HAND TAP	8	3B	6	17511	17512	1285.60	1205.50	1185.50					
3 1/2"-8 NPT/F						<i>Recommended Hole Size: NPT/F = 3.25"</i>							
NPT/F TAPER			9	17514		953.30	817.00	731.00					
NPT/F TAPER INT THD			9	17517		1025.80	889.60	803.40					
GAGE L1 NPT PLG w/handle				24404		502.90							
GAGE L1 NPT RING				24402		775.40							
3 1/2"-12 NS						<i>Recommended Hole Size based on 75% Thread = 3.4192"</i>							
HAND TAP	7	2B	8	17521	17522	1036.90	961.80	943.40					
3 3/4"-4 NC						<i>Recommended Hole Size based on 75% Thread = 3.506"</i>							
HAND TAP	9	3B	10	17525	17526	1762.90	1740.00	1729.30					
3 3/4"-8 NS						<i>Recommended Hole Size based on 75% Thread = 3.6281"</i>							
HAND TAP	8	3B	10	17529	17530	1762.90	1740.00	1729.30					
3 3/4"-12 NS						<i>Recommended Hole Size based on 75% Thread = 3.6692"</i>							
HAND TAP	7	2B	10	17533	17534	1542.90	1520.00	1509.40					
4"-4 NC						<i>Recommended Hole Size based on 75% Thread = 3.756"</i>							
HAND TAP	9	3B	10	17537	17538	1838.80	1816.00	1813.00					
4"-8 NS						<i>Recommended Hole Size based on 75% Thread = 3.8781"</i>							
HAND TAP	8	3B	10	17541	17542	1838.80	1816.00	1813.00					

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POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	GH#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
4"-8 NPT/F						<i>Recommended Hole Size: NPT/F = 4.25"</i>							
NPT/F TAPER			9	17544		1180.50	999.70	863.00					
NPT/F TAPER INT THD			9	17547		1271.30	1090.30	955.00					
GAGE L1 NPT PLG w/handle				24407		561.30							
GAGE L1 NPT RING				24405		939.60							
4"-12 NS						<i>Recommended Hole Size based on 75% Thread = 3.9192"</i>							
HAND TAP	7	2B	10	17551	17552	1618.80	1596.00	1593.00					

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North American Tool Corporation is "In The Pursuit of Perfection" as we continue to be your 24-hour source for Special Taps, Dies and Gages. The one thing that remains constant is our commitment to:

- Outstanding Customer Service
- Quality Products
- Shipped On Time

Visit North American Tool's user-friendly web site at www.natool.com, where you will find features such as a product selector, an online quote request system, distributor locator, access to product literature and a thread mill configurator/programming guide.

We welcome the opportunity to work with you as your trusted source for special threading tools. Feel free to contact us to discuss your cutting tool requirements.



North American Tool's modern customer service and manufacturing facility located in South Beloit, Illinois.



*METRIC SIZE X .03937 = DECIMAL EQUIVALENT
 DECIMAL SIZE X 25.4 = METRIC (mm) EQUIVALENT*

FRACTIONAL, DECIMAL AND METRIC EQUIVALENTS

Fraction Of Inch	Decimal Of Inch	Millimeters	Fraction Of Inch	Decimal of Inch	Millimeters
1/64	.015625	0.3969	33/64	.515625	13.0969
1/32	.03125	0.7938	17/32	.53125	13.4938
3/64	.046875	1.1906	35/64	.546875	13.8906
1/16	.0625	1.5875	9/16	.5625	14.2875
5/64	.078125	1.9844	37/64	.578125	14.6844
3/32	.09375	2.3812	19/32	.59375	15.0812
7/64	.109375	2.7781	39/64	.609375	15.4781
1/8	.125	3.1750	5/8	.625	15.8750
9/64	.140625	3.5719	41/64	.640625	16.2719
5/32	.15625	3.9688	21/32	.65625	16.6688
11/64	.171875	4.3656	43/64	.671875	17.0656
3/16	.1875	4.7625	11/16	.6875	17.4625
13/64	.203125	5.1594	45/64	.703125	17.8594
7/32	.21875	5.5562	23/32	.71875	18.2562
15/64	.234375	5.9531	47/64	.734375	18.6531
1/4	.250	6.3500	3/4	.750	19.0500
17/64	.265625	6.7469	49/64	.765625	19.4469
9/32	.28125	7.1438	25/32	.78125	19.8438
19/64	.296875	7.5406	51/64	.796875	20.2406
5/16	.3125	7.9375	13/16	.8125	20.6375
21/64	.328125	8.3344	53/64	.828125	21.0344
11/32	.34375	8.7312	27/32	.843750	21.4312
23/64	.359375	9.1281	55/64	.859375	21.8281
3/8	.375	9.5250	7/8	.875	22.2250
25/64	.390625	9.9219	57/64	.890625	22.6219
13/32	.40625	10.3188	29/32	.90625	23.0188
27/64	.421875	10.7156	59/64	.921875	23.4156
7/16	.4375	11.1125	15/16	.9375	23.8125
29/64	.453125	11.5094	61/64	.953125	24.2094
15/32	.46875	11.9062	31/32	.96875	24.6062
31/64	.484375	12.3031	63/64	.984375	25.0031
1/2	.500	12.7000	1.000	1.0000	25.4000

MILLIMETER PITCH TO THREADS PER INCH

METRIC PITCH CONVERSIONS

Pitch In Millimeters	Pitch In Inches	Threads Per In.	Basic Height	Pitch In Millimeters	Pitch In Inches	Threads Per In.	Basic Height
.25	.00984	101.6000	.00639	1.25	.04921	20.3211	.03196
.30	.01181	84.6668	.00767	1.50	.05906	16.9316	.03836
.35	.01378	72.5689	.00895	1.75	.06890	14.5138	.04475
.40	.01575	63.4921	.01023	2.00	.07874	12.7000	.05114
.45	.01772	56.4334	.01151	2.50	.09843	10.1595	.06393
.50	.01969	50.8000	.01279	3.00	.11811	8.4667	.07671
.60	.02362	42.3370	.01534	3.50	.13780	7.2569	.08950
.70	.02756	36.2845	.01790	4.00	.15748	6.3500	.10229
.75	.02953	33.8639	.01918	4.50	.17717	5.6443	.11508
.80	.03150	31.7460	.02046	5.00	.19685	5.0800	.12785
.90	.03543	28.2247	.02301	6.00	.23622	4.2333	.15344
1.00	.03937	25.4000	.02557				



METRIC POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	D#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
M1.6 x 0.35				<i>Recommended Hole Size Based on 75% Thread = 1.25mm</i>									
HAND TAP	3	6H	2	20010		15.80	15.80	15.80	15.80	15.80	14.30	14.30	12.40
SPIRAL POINT	3	6H	0	20008		19.70	19.70	19.70	19.70	19.70	18.00	18.00	15.70
GAGE - Taperlock Style		6H		25003		211.80							
GAGE - Reversible Style		6H		25645		314.70							
GAGE - Ring-Go		6g		25205		271.20							
GAGE - Ring-NoGo		6g		25206		271.20							
GAGE - L.H. Taperlock Style		6H		22708		205.70							
GAGE - L.H. Taperlock Style		4H		22709		205.70							
GAGE - L.H. Reversible Style		6H		22710		253.00							
GAGE - L.H. Reversible Style		4H		22711		253.00							
M1.8 x 0.35				<i>Recommended Hole Size Based on 75% Thread = 1.45mm</i>									
HAND TAP	3	6H	2	20022	20023	15.00	15.00	15.00	15.00	15.00	13.60	13.60	11.30
SPIRAL POINT	3	6H	0	20020		17.90	17.90	17.90	17.90	17.90	16.30	16.30	14.10
GAGE - Taperlock Style		6H		25008		211.80							
GAGE - Reversible Style		6H		25650		314.70							
GAGE - Ring-Go		6g		25210		271.20							
GAGE - Ring-NoGo		6g		25211		271.20							
GAGE - L.H. Taperlock Style		6H		22712		205.70							
GAGE - L.H. Taperlock Style		4H		22713		205.70							
GAGE - L.H. Reversible Style		6H		22714		253.00							
GAGE - L.H. Reversible Style		4H		22715		253.00							
M2 x 0.4				<i>Recommended Hole Size Based on 75% Thread = 1.6mm</i>									
HAND TAP	3	6H	3	20034	20035	14.20	14.20	14.20	14.20	14.20	13.00	13.00	10.90
SPIRAL POINT	3	6H	2	20032		16.40	16.40	16.40	16.40	16.40	15.00	15.00	13.00
GAGE - Taperlock Style		6H		25013		144.00							
GAGE - Reversible Style		6H		25655		199.70							
GAGE - Ring-Go		6g		25215		172.80							
GAGE - Ring-NoGo		6g		25216		172.80							
GAGE - L.H. Taperlock Style		6H		22716		205.70							
GAGE - L.H. Taperlock Style		4H		22717		205.70							
GAGE - L.H. Reversible Style		6H		22718		253.00							
GAGE - L.H. Reversible Style		4H		22719		253.00							
GAGE - L.H. Ring-Go		4g		22720		266.20							
GAGE - L.H. Ring-NoGo		4g		22721		266.20							
GAGE - L.H. Ring-Go		6g		22722		266.20							
GAGE - L.H. Ring-NoGo		6g		22723		266.20							
M2.2 x 0.45				<i>Recommended Hole Size Based on 75% Thread = 1.75mm</i>									
HAND TAP	3	6H	3	20046	20047	12.30	12.30	12.30	12.30	12.30	11.20	11.20	10.70
SPIRAL POINT	3	6H	2	20044		13.90	13.90	13.90	13.90	13.90	12.90	12.90	12.30
GAGE - Taperlock Style		6H		25018		144.00							
GAGE - Reversible Style		6H		25660		199.70							
GAGE - Ring-Go		6g		25220		172.80							
GAGE - Ring-NoGo		6g		25221		172.80							
GAGE - L.H. Taperlock Style		6H		22724		205.70							
GAGE - L.H. Taperlock Style		4H		22725		205.70							
GAGE - L.H. Reversible Style		6H		22726		253.00							
GAGE - L.H. Reversible Style		4H		22727		253.00							
GAGE - L.H. Ring-Go		4g		22728		290.40							
GAGE - L.H. Ring-NoGo		4g		22729		290.40							
GAGE - L.H. Ring-Go		6g		22730		290.40							
GAGE - L.H. Ring-NoGo		6g		22731		290.40							
M2.5 x 0.45				<i>Recommended Hole Size Based on 75% Thread = 2.05mm</i>									
HAND TAP	3	6H	3	20058	20059	10.60	10.60	10.60	10.60	10.60	9.80	9.80	8.60
SPIRAL POINT	3	6H	2	20056		12.50	12.50	12.50	12.50	12.50	11.60	11.60	10.70
HAND TAP	1	4H	3	20052	20053	37.10	22.10	15.40	12.90	11.60	10.90	9.90	8.60

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METRIC POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	D#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
M2.5 x 0.45					<i>See Previous Page for Recommended Hole Size</i>								
SPIRAL POINT	1	4H	2	20050		38.60	23.40	16.60	14.10	13.00	12.30	11.10	10.70
GAGE - Taperlock Style		6H		25023		130.50							
GAGE - Reversible Style		6H		25665		199.70							
GAGE - Ring-Go		6g		25225		172.80							
GAGE - Ring-NoGo		6g		25226		172.80							
GAGE - L.H. Taperlock Style		6H		22732		205.70							
GAGE - L.H. Taperlock Style		4H		22733		205.70							
GAGE - L.H. Reversible Style		6H		22734		253.00							
GAGE - L.H. Reversible Style		4H		22735		253.00							
GAGE - L.H. Ring-Go		4g		22736		290.40							
GAGE - L.H. Ring-NoGo		4g		22737		290.40							
GAGE - L.H. Ring-Go		6g		22738		290.40							
GAGE - L.H. Ring-NoGo		6g		22739		290.40							
M2.6 x 0.45					<i>Recommended Hole Size Based on 75% Thread = 2.15mm</i>								
HAND TAP	3	6H	3	21179	21180	52.30	34.50	15.20	14.30	14.30	11.30	10.00	9.20
M3 x 0.5					<i>Recommended Hole Size Based on 75% Thread = 2.5mm TRU-FLO at 65% Thread = 2.78mm</i>								
HAND TAP	3	6H	3	20070	20071	8.40	8.40	8.40	8.40	8.40	7.80	7.80	7.40
SPIRAL POINT	3	6H	2	20068		10.70	10.70	10.70	10.70	10.70	9.90	9.90	8.70
REGULAR SPIRAL FLUTE	3	6H	2	20074	20075	19.10	19.10	19.10	19.10	19.10	17.50	17.50	14.00
FAST SPIRAL FLUTE	3	6H	2	20078	20079	19.90	19.90	19.90	19.90	19.90	18.30	18.30	14.70
SPIRAL POINT	5		2	21021		88.60	52.50	39.30	29.30	24.60	21.80	18.50	15.20
+ .076mm SPIRAL POINT	7		2	20938		88.60	52.50	39.30	29.30	24.60	21.80	18.50	15.20
HAND TAP	1	4H	3	20064	20065	33.70	18.70	12.90	10.90	10.60	9.10	8.30	7.40
SPIRAL POINT	1	4H	2	20062		35.00	19.90	14.10	12.30	11.60	10.30	9.70	8.70
"TRU-FLO" FORM TAP	5	6H	0	19200	19201	26.60	26.60	26.60	26.60	26.60	26.60	21.50	16.70
SOLID CARBIDE / HAND	3	6H	3	43001	43002	67.20	67.20	67.20	67.20	64.50	58.30	56.60	55.70
SOLID CARBIDE / SP PT	3	6H	2	43003		69.40	69.40	69.40	69.40	66.70	59.80	58.10	57.20
"COST CUTTER" DRILL/TAP	3	6H	2	29024		14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
R.H. ROUND DIE 20.6mm OD				13518		27.30	25.60	24.40	24.40	24.40	24.40	24.40	24.40
GAGE - Taperlock Style		6H		25028		130.50							
GAGE - Reversible Style		6H		25670		157.50							
GAGE - Ring-Go		6g		25230		149.20							
GAGE - Ring-NoGo		6g		25231		149.20							
GAGE - L.H. Taperlock Style		6H		22740		195.80							
GAGE - L.H. Taperlock Style		4H		22741		195.80							
GAGE - L.H. Reversible Style		6H		22742		242.00							
GAGE - L.H. Reversible Style		4H		22743		242.00							
GAGE - L.H. Ring-Go		4g		22744		266.20							
GAGE - L.H. Ring-NoGo		4g		22745		266.20							
GAGE - L.H. Ring-Go		6g		22746		266.20							
GAGE - L.H. Ring-NoGo		6g		22747		266.20							
M3.5 x 0.6					<i>Recommended Hole Size Based on 75% Thread = 2.9mm TRU-FLO at 65% Thread = 3.24mm</i>								
HAND TAP	4	6H	3	20091	20092	8.00	8.00	8.00	8.00	8.00	7.30	7.30	7.20
SPIRAL POINT	4	6H	2	20089		8.80	8.80	8.80	8.80	8.80	8.10	8.10	8.00
HAND TAP	1	4H	3	20085	20086	33.70	18.70	12.90	10.90	10.60	9.60	8.80	7.90
SPIRAL POINT	1	4H	2	20083		35.00	19.90	14.10	12.30	11.60	10.80	10.00	9.20
REGULAR SPIRAL FLUTE	4	6H	2	20101	20102	15.50	15.50	15.50	15.50	15.50	14.10	14.10	13.00
FAST SPIRAL FLUTE	4	6H	2	20105	20106	16.40	16.40	16.40	16.40	16.40	15.00	15.00	13.90
6" EXTENSION HAND	4	6H	3	20118	20119	37.10	37.10	37.10	37.10	37.10	37.10	37.10	22.80
6" EXT SPIRAL POINT	4	6H	2	20116		38.50	38.50	38.50	38.50	38.50	38.50	38.50	24.00
+ .127mm HAND TAP	11	PLATING	3	20112	20113	15.60	15.60	15.60	15.60	15.60	14.20	14.20	13.00
+ .127mm SPIRAL POINT	11	PLATING	2	20110		16.80	16.80	16.80	16.80	16.80	15.50	15.50	14.10
"TRU-FLO" FORM TAP	6	6H	0	19202	19203	24.40	24.40	24.40	24.40	24.40	24.40	19.30	14.70
SOLID CARBIDE / HAND	4	6H	3	43005	43006	67.20	67.20	67.20	67.20	64.50	58.30	56.60	55.70
SOLID CARBIDE / SP PT	4	6H	2	43007		69.40	69.40	69.40	69.40	66.70	59.80	58.10	57.20
"COST CUTTER" DRILL/TAP	4	6H	2	29025		14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00

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METRIC POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	D#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
M3.5 x 0.6				<i>See Previous Page for Recommended Hole Size</i>									
R.H. ROUND DIE 20.6mm OD				13522		27.30	25.60	24.40	24.40	24.40	24.40	24.40	24.40
GAGE - Taperlock Style		6H		25033		113.50							
GAGE - Reversible Style		6H		25675		145.40							
GAGE - Ring-Go		6g		25235		149.20							
GAGE - Ring-NoGo		6g		25236		149.20							
GAGE - L.H. Taperlock Style		6H		22748		202.40							
GAGE - L.H. Taperlock Style		4H		22749		202.40							
GAGE - L.H. Reversible Style		6H		22750		205.70							
GAGE - L.H. Reversible Style		4H		22751		205.70							
GAGE - L.H. Ring-Go		4g		22752		229.90							
GAGE - L.H. Ring-NoGo		4g		22753		229.90							
GAGE - L.H. Ring-Go		6g		22754		229.90							
GAGE - L.H. Ring-NoGo		6g		22755		229.90							

M4 x 0.75				<i>Recommended Hole Size Based on 75% Thread = 3.25mm</i>									
HAND TAP	4	6H	4	21035	21036	98.30	63.90	43.70	27.40	19.40	15.60	12.40	11.30

M4 x 0.7				<i>Recommended Hole Size Based on 75% Thread = 3.3mm TRU-FLO at 65% Thread = 3.69mm</i>									
HAND TAP	4	6H	4	20130	20131	7.00	7.00	7.00	7.00	7.00	6.40	6.40	6.40
SPIRAL POINT	4	6H	2	20128		8.80	8.80	8.80	8.80	8.80	8.10	8.10	8.10
SPIRAL POINT	5		2	21033		76.90	54.70	52.30	31.70	23.10	18.00	15.40	14.20
HAND TAP	2	4H	4	20124	20125	33.70	18.70	12.90	10.90	10.60	9.60	8.80	7.90
SPIRAL POINT	2	4H	2	20122		35.00	19.90	14.10	12.30	11.60	10.80	10.00	9.20
REGULAR SPIRAL FLUTE	4	6H	2	20140	20141	15.50	15.50	15.50	15.50	15.50	14.10	14.10	13.00
FAST SPIRAL FLUTE	4	6H	3	20144	20145	16.40	16.40	16.40	16.40	16.40	15.00	15.00	13.90
+ .076mm SPIRAL POINT	7		2	20923		76.90	54.70	52.30	31.70	23.10	18.00	15.40	14.20
L.H. HAND TAP	4	6H	4	20136	20137	7.90	7.90	7.90	7.90	7.90	7.20	7.20	6.70
6" EXTENSION HAND TAP	4	6H	4	20157	20158	35.90	35.90	35.90	35.90	35.90	35.90	35.90	25.10
6" EXT SPIRAL POINT	4	6H	2	20155		37.00	37.00	37.00	37.00	37.00	37.00	37.00	26.10
+ .127mm HAND TAP	11	PLATING	4	20151	20152	15.60	15.60	15.60	15.60	15.60	14.20	14.20	13.00
+ .127mm SPIRAL POINT	11	PLATING	2	20149		16.80	16.80	16.80	16.80	16.80	15.50	15.50	14.20
"TRU-FLO" FORM TAP	6	6H	0	19204	19205	24.40	24.40	24.40	24.40	24.40	24.40	19.30	14.70
SOLID CARBIDE / HAND	4	6H	4	43009	43010	62.20	62.20	62.20	62.20	59.50	53.80	52.10	51.20
SOLID CARBIDE / SP PT	4	6H	2	43011		64.70	64.70	64.70	64.70	62.00	56.30	54.60	53.70
"COST CUTTER" DRILL/TAP	4	6H	2	29026		14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
R.H. ROUND DIE 20.6mm OD				13524		27.30	25.60	24.40	24.40	24.40	24.40	24.40	24.40
L.H. ROUND DIE 20.6mm OD				13525		51.90	45.80	42.40	39.20	37.50	33.60	24.40	24.40
GAGE - Taperlock Style		6H		25038		113.50							
GAGE - Reversible Style		6H		25680		145.40							
GAGE - Ring-Go		6g		25240		139.00							
GAGE - Ring-NoGo		6g		25241		139.00							
GAGE - L.H. Taperlock Style		6H		22756		180.40							
GAGE - L.H. Taperlock Style		4H		22757		180.40							
GAGE - L.H. Reversible Style		6H		22758		225.50							
GAGE - L.H. Reversible Style		4H		22759		225.50							
GAGE - L.H. Ring-Go		4g		22760		229.90							
GAGE - L.H. Ring-NoGo		4g		22761		229.90							
GAGE - L.H. Ring-Go		6g		22762		229.90							
GAGE - L.H. Ring-NoGo		6g		22763		229.90							

M4.5 x 0.75				<i>Recommended Hole Size Based on 75% Thread = 3.75mm TRU-FLO at 65% Thread = 4.17mm</i>									
HAND TAP	4	6H	4	20169	20170	8.10	8.10	8.10	8.10	8.10	7.40	7.40	6.90
SPIRAL POINT	4	6H	2	20167		9.90	9.90	9.90	9.90	9.90	9.10	9.10	8.10
HAND TAP	2	4H	4	20163	20164	33.70	18.70	12.90	10.90	10.60	9.60	8.80	7.90
SPIRAL POINT	2	4H	2	20161		35.00	19.90	14.10	12.30	11.60	10.80	10.00	9.20
REGULAR SPIRAL FLUTE	4	6H	2	20179	20180	15.50	15.50	15.50	15.50	15.50	14.10	14.10	13.00
FAST SPIRAL FLUTE	4	6H	3	20183	20184	16.40	16.40	16.40	16.40	16.40	15.00	15.00	13.90
L.H. HAND TAP	4	6H	4	20175	20176	7.50	7.50	7.50	7.50	7.50	6.90	6.90	6.90
6" EXTENSION HAND	4	6H	4	20196	20197	34.00	34.00	34.00	34.00	34.00	34.00	34.00	23.40

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METRIC POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	D#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
M4.5 x 0.75				<i>See Previous Page for Recommended Hole Size</i>									
6" EXT SPIRAL POINT	4	6H	2	20194		35.30	35.30	35.30	35.30	35.30	35.30	35.30	24.60
+ .127mm HAND TAP	11	PLATING	4	20190	20191	15.60	15.60	15.60	15.60	15.60	14.20	14.20	13.00
+ .127mm SPIRAL POINT	11	PLATING	2	20188		16.80	16.80	16.80	16.80	16.80	15.50	15.50	14.10
"TRU-FLO" FORM TAP	6	6H	0	19206	19207	24.40	24.40	24.40	24.40	24.40	24.40	19.30	14.70
SOLID CARBIDE / HAND	4	6H	4	43013	43014	62.20	62.20	62.20	62.20	59.50	53.80	52.10	51.20
SOLID CARBIDE / SP PT	4	6H	2	43015		64.70	64.70	64.70	64.70	62.00	56.30	54.60	53.70
"COST CUTTER" DRILL/TAP	4	6H	2	29027		14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
R.H. ROUND DIE 20.6mm OD				13528		27.30	25.60	24.40	24.40	24.40	24.40	24.40	24.40
GAGE - Taperlock Style		6H		25043		113.50							
GAGE - Reversible Style		6H		25685		145.40							
GAGE - Ring-Go		6g		25245		139.00							
GAGE - Ring-NoGo		6g		25246		139.00							
GAGE - L.H. Taperlock Style		6H		22764		180.40							
GAGE - L.H. Taperlock Style		4H		22765		180.40							
GAGE - L.H. Reversible Style		6H		22766		225.50							
GAGE - L.H. Reversible Style		4H		22767		225.50							
GAGE - L.H. Ring-Go		4g		22768		229.90							
GAGE - L.H. Ring-NoGo		4g		22769		229.90							
GAGE - L.H. Ring-Go		6g		22770		229.90							
GAGE - L.H. Ring-NoGo		6g		22771		229.90							
M5 x 0.9				<i>Recommended Hole Size Based on 75% Thread = 4.1mm</i>									
HAND TAP	3	4H	4	21184	21185	51.00	24.90	12.30	9.90	9.90	9.20	9.20	8.30
SPIRAL POINT	3	4H	2	21186		51.80	25.50	13.30	10.90	10.90	10.10	10.10	9.20
M5 x 0.8				<i>Recommended Hole Size Based on 75% Thread = 4.2mm TRU-FLO at 65% Thread = 4.65mm</i>									
HAND TAP	4	6H	4	20208	20209	6.60	6.60	6.60	6.60	6.60	6.20	6.20	6.20
SPIRAL POINT	4	6H	2	20206		8.10	8.10	8.10	8.10	8.10	7.30	7.30	7.30
HAND TAP	2	4H	4	20202	20203	46.00	22.40	21.90	21.20	18.90	15.80	12.90	9.90
SPIRAL POINT	2	4H	2	20200		47.10	23.40	23.10	22.20	19.90	16.80	13.90	10.90
REGULAR SPIRAL FLUTE	4	6H	2	20218	20219	15.50	15.50	15.50	15.50	15.50	14.10	14.10	13.00
FAST SPIRAL FLUTE	4	6H	3	20222	20223	16.40	16.40	16.40	16.40	16.40	15.00	15.00	13.90
+ .076mm SPIRAL POINT	7		2	20924		80.90	54.80	38.40	20.80	19.60	16.60	14.70	13.80
L.H. HAND TAP	4	6H	4	20214	20215	7.90	7.90	7.90	7.90	7.90	7.20	7.20	7.20
6" EXTENSION HAND TAP	4	6H	4	20235	20236	34.00	34.00	34.00	34.00	34.00	34.00	34.00	23.40
6" EXT SPIRAL POINT	4	6H	2	20233		35.30	35.30	35.30	35.30	35.30	35.30	35.30	24.60
+ .127mm HAND TAP	11	PLATING	4	20229	20230	16.20	16.20	16.20	16.20	16.20	14.50	14.50	13.30
+ .127mm SPIRAL POINT	11	PLATING	2	20227		17.20	17.20	17.20	17.20	17.20	15.70	15.70	14.30
"TRU-FLO" FORM TAP	7	6H	0	19208	19209	24.40	24.40	24.40	24.40	24.40	24.40	19.30	14.70
SOLID CARBIDE / HAND	4	6H	4	43017	43018	64.70	64.70	64.70	64.70	62.00	56.30	54.60	53.70
SOLID CARBIDE / SP PT	4	6H	2	43019		67.20	67.20	67.20	67.20	64.50	58.80	57.10	56.20
"COST CUTTER" DRILL/TAP	4	6H	2	29028		14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
TIN COAT / +.076mm SP PT	7		2	55009		83.10	57.10	40.30	22.80	21.80	18.90	16.70	15.80
R.H. ROUND DIE 20.6mm OD				13530		27.30	25.60	24.40	24.40	24.40	24.40	24.40	24.40
L.H. ROUND DIE 20.6mm OD				13531		51.90	45.80	42.40	39.20	37.50	33.60	24.40	24.40
GAGE - Taperlock Style		6H		25048		113.50							
GAGE - Reversible Style		6H		25690		145.40							
GAGE - Ring-Go		6g		25250		139.00							
GAGE - Ring-NoGo		6g		25251		139.00							
GAGE - L.H. Taperlock Style		6H		22772		156.20							
GAGE - L.H. Taperlock Style		4H		22773		156.20							
GAGE - L.H. Reversible Style		6H		22774		193.60							
GAGE - L.H. Reversible Style		4H		22775		193.60							
GAGE - L.H. Ring-Go		4g		22776		212.30							
GAGE - L.H. Ring-NoGo		4g		22777		212.30							
GAGE - L.H. Ring-Go		6g		22778		212.30							
GAGE - L.H. Ring-NoGo		6g		22779		212.30							

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BACK TO INDEX

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M5 x 0.5					<i>Recommended Hole Size Based on 75% Thread = 4.5mm</i>								
HAND TAP	3	6H	4	20910	20911	79.50	53.80	37.00	19.40	18.30	15.50	13.30	12.50
SPIRAL POINT	3	6H	2	20912		80.90	54.80	38.40	20.80	19.60	16.60	14.70	13.90
GAGE - Taperlock Style		6H		22780		191.40							
GAGE - Reversible Style		6H		22781		242.00							
GAGE - Ring-Go		6g		22782		284.90							
GAGE - Ring-NoGo		6g		22783		284.90							
M5.5 x 0.9					<i>Recommended Hole Size Based on 75% Thread = 4.6mm</i>								
HAND TAP	3	4H	4	21189	21190	53.50	26.70	13.40	11.20	11.20	10.30	10.30	9.50
SPIRAL POINT	3	4H	2	21191		53.50	26.70	13.40	11.20	11.20	10.30	10.30	9.50
M6 x 1.0					<i>Recommended Hole Size Based on 75% Thread = 5mm TRU-FLO at 65% Thread = 5.56mm</i>								
HAND TAP	5	6H	4	20247	20248	7.20	7.20	7.20	7.20	7.20	6.50	6.50	6.50
SPIRAL POINT	5	6H	2	20245		8.10	8.10	8.10	8.10	8.10	7.40	7.40	7.40
HAND TAP	3	4H	4	20241	20242	34.40	19.40	13.30	10.90	10.60	9.50	8.60	8.10
SPIRAL POINT	3	4H	2	20239		35.80	20.80	14.70	12.40	11.30	10.70	10.00	9.60
REGULAR SPIRAL FLUTE	5	6H	3	20257	20258	16.70	16.70	16.70	16.70	16.70	15.40	15.40	14.00
FAST SPIRAL FLUTE	5	6H	3	20261	20262	17.90	17.90	17.90	17.90	17.90	16.30	16.30	15.00
L.H. HAND TAP	5	6H	4	20253	20254	8.60	8.60	8.60	8.60	8.60	8.00	8.00	7.20
6" EXTENSION HAND TAP	5	6H	4	20274	20275	29.80	29.80	29.80	29.80	29.80	29.80	29.80	21.70
6" EXT SPIRAL POINT	5	6H	2	20272		30.70	30.70	30.70	30.70	30.70	30.70	30.70	23.30
+ .127mm HAND TAP	11	PLATING	4	20268	20269	8.70	8.70	8.70	8.70	8.70	8.00	8.00	7.40
+ .127mm SPIRAL POINT	11	PLATING	2	20266		9.90	9.90	9.90	9.90	9.90	8.80	8.80	8.40
"TRU-FLO" FORM TAP	8	6H	0	19210	19211	27.00	27.00	27.00	27.00	27.00	27.00	21.80	16.70
SOLID CARBIDE / HAND	5	6H	4	43021	43022	63.80	63.80	63.80	63.80	63.80	61.20	59.90	59.30
SOLID CARBIDE / SP PT	5	6H	2	43023		66.00	66.00	66.00	66.00	66.00	61.70	60.40	59.80
"COST CUTTER" DRILL/TAP	5	6H	2	29029		14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
R.H. ROUND DIE 25.4mm OD				13538		34.40	30.60	29.30	27.50	27.50	27.50	27.50	27.30
L.H. ROUND DIE 25.4mm OD				13539		51.90	45.80	42.40	39.20	37.50	33.60	27.50	27.30
GAGE - Taperlock Style		6H		25053		79.30							
GAGE - Reversible Style		6H		25695		102.60							
GAGE - Ring-Go		6g		25255		102.60							
GAGE - Ring-NoGo		6g		25256		102.60							
GAGE - L.H. Taperlock Style		6H		22784		156.20							
GAGE - L.H. Taperlock Style		4H		22785		156.20							
GAGE - L.H. Reversible Style		6H		22786		193.60							
GAGE - L.H. Reversible Style		4H		22787		193.60							
GAGE - L.H. Ring-Go		4g		22788		205.70							
GAGE - L.H. Ring-NoGo		4g		22789		205.70							
GAGE - L.H. Ring-Go		6g		22790		205.70							
GAGE - L.H. Ring-NoGo		6g		22791		205.70							
M6 x 0.75					<i>Recommended Hole Size Based on 75% Thread = 5.25mm</i>								
HAND TAP	3	4H	4	20280	20281	34.40	19.40	13.30	10.90	10.60	9.50	8.60	8.10
SPIRAL POINT	3	4H	2	20278		35.80	20.80	14.70	12.40	11.30	10.70	10.00	9.60
R.H. ROUND DIE 25.4mm OD				13536		51.90	45.80	42.40	31.90	30.80	27.50	24.40	24.40
GAGE - Taperlock Style		6H		22792		180.30							
GAGE - Reversible Style		6H		22793		217.80							
GAGE - Ring-Go		6g		22794		242.00							
GAGE - Ring-NoGo		6g		22795		242.00							
M6 x 0.5					<i>Recommended Hole Size Based on 75% Thread = 5.5mm</i>								
HAND TAP	3	6H	4	20976	20977	87.60	59.30	45.10	38.00	26.70	21.20	17.20	15.00
TiN COAT / BTM	3	6H	4		55011	90.50	62.20	48.30	41.30	29.80	24.10	20.20	18.00
M7 x 1.0					<i>Recommended Hole Size Based on 75% Thread = 6mm TRU-FLO at 65% Thread = 6.56mm</i>								
HAND TAP	5	6H	4	20290	20291	8.80	8.80	8.80	8.30	8.30	8.30	8.30	8.30
SPIRAL POINT	5	6H	2	20288		10.10	10.10	10.10	9.60	9.60	9.60	9.60	9.60

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METRIC POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	D#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
M7 x 1.0					<i>See Previous Page for Recommended Hole Size</i>								
L.H. HAND TAP	5	6H	4	20295	20296	9.70	9.70	9.70	8.70	8.70	8.70	8.70	8.70
+ .127mm HAND TAP	11	PLATING	4	20309	20310	10.80	10.80	10.80	9.80	9.80	9.80	9.80	8.60
+ .127mm SPIRAL POINT	11	PLATING	2	20307		12.20	12.20	12.20	10.90	10.90	10.90	10.90	9.90
"TRU-FLO" FORM TAP	8	6H	0	19212	19213	27.70	27.70	27.70	27.70	27.70	27.70	22.60	19.70
SOLID CARBIDE / HAND	5	6H	4	43025	43026	83.70	83.70	83.70	83.70	83.70	81.70	80.10	72.40
SOLID CARBIDE / SP PT	5	6H	2	43027		85.90	85.90	85.90	85.90	85.90	83.20	81.60	73.90
"COST CUTTER" DRILL/TAP	5	6H	2	29030		21.20	21.20	21.20	21.20	21.20	21.20	21.20	21.20
R.H. ROUND DIE 25.4mm OD				13542		51.90	45.80	42.40	39.20	37.50	33.60	27.50	27.30
L.H. ROUND DIE 25.4mm OD				13543		51.90	45.80	42.40	39.20	37.50	33.60	27.50	27.30
GAGE - Taperlock Style		6H		25058		77.80							
GAGE - Reversible Style		6H		25700		102.60							
GAGE - Ring-Go		6g		25260		102.60							
GAGE - Ring-NoGo		6g		25261		102.60							
GAGE - L.H. Taperlock Style		6H		22796		156.20							
GAGE - L.H. Taperlock Style		4H		22797		156.20							
GAGE - L.H. Reversible Style		6H		22798		193.60							
GAGE - L.H. Reversible Style		4H		22799		193.60							
GAGE - L.H. Ring-Go		4g		22800		200.20							
GAGE - L.H. Ring-NoGo		4g		22801		200.20							
GAGE - L.H. Ring-Go		6g		22802		200.20							
GAGE - L.H. Ring-NoGo		6g		22803		200.20							

M8 x 1.25					<i>Recommended Hole Size Based on 75% Thread = 6.75mm TRU-FLO at 65% Thread = 7.45mm</i>								
HAND TAP	5	6H	4	20324	20325	8.70	8.70	8.70	8.00	8.00	8.00	8.00	8.00
SPIRAL POINT	5	6H	2	20322		9.90	9.90	9.90	8.80	8.80	8.80	8.80	8.80
HAND TAP	3	4H	4	20319	20320	35.60	20.60	14.30	11.60	11.20	10.80	10.10	9.20
SPIRAL POINT	3	4H	2	20317		36.70	21.80	15.70	13.00	12.50	12.20	11.30	10.60
REGULAR SPIRAL FLUTE	5	6H	3	20333	20334	20.90	20.90	20.90	19.00	19.00	19.00	19.00	17.90
FAST SPIRAL FLUTE	5	6H	3	20337	20338	21.80	21.80	21.80	19.80	19.80	19.80	19.80	18.50
L.H. HAND TAP	5	6H	4	20329	20330	9.70	9.70	9.70	8.70	8.70	8.70	8.70	8.30
6" EXTENSION HAND TAP	5	6H	4	20348	20349	34.20	34.20	34.20	34.20	34.20	34.20	34.20	24.00
6" EXT SPIRAL POINT	5	6H	2	21022		35.80	35.80	35.80	35.80	35.80	35.80	35.80	24.20
+ .127mm HAND TAP	11	PLATING	4	20343	20344	10.70	10.70	10.70	9.80	9.80	9.80	9.80	8.60
+ .127mm SPIRAL POINT	11	PLATING	2	20341		11.30	11.30	11.30	10.60	10.60	10.60	10.60	9.50
"TRU-FLO" FORM TAP	9	6H	0	19214	19215	27.70	27.70	27.70	27.70	27.70	27.70	22.60	19.70
SOLID CARBIDE / HAND	5	6H	4	43029	43030	83.70	83.70	83.70	83.70	83.70	81.70	80.10	72.40
SOLID CARBIDE / SP PT	5	6H	2	43031		85.90	85.90	85.90	85.90	85.90	83.20	81.60	73.90
"COST CUTTER" DRILL/TAP	5	6H	2	29031		21.20	21.20	21.20	21.20	21.20	21.20	21.20	21.20
TIN COAT / PLUG	5	6H	4	55002		12.40	12.40	12.40	11.40	11.40	11.40	11.40	11.40
TIN COAT / SP PT	5	6H	2	55001		13.40	13.40	13.40	12.50	12.50	12.50	12.50	12.50
R.H. ROUND DIE 25.4mm OD				13546		36.20	30.80	29.00	27.50	27.50	27.50	27.50	27.30
L.H. ROUND DIE 25.4mm OD				13547		51.90	45.80	42.40	39.20	37.50	33.60	27.50	27.30
GAGE - Taperlock Style		6H		25063		77.80							
GAGE - Reversible Style		6H		25705		104.10							
GAGE - Ring-Go		6g		25265		102.60							
GAGE - Ring-NoGo		6g		25266		102.60							
GAGE - L.H. Taperlock Style		6H		22804		156.20							
GAGE - L.H. Taperlock Style		4H		22805		156.20							
GAGE - L.H. Reversible Style		6H		22806		195.80							
GAGE - L.H. Reversible Style		4H		22807		195.80							
GAGE - L.H. Ring-Go		4g		22808		205.70							
GAGE - L.H. Ring-NoGo		4g		22809		205.70							
GAGE - L.H. Ring-Go		6g		22810		205.70							
GAGE - L.H. Ring-NoGo		6g		22811		205.70							

M8 x 1.0					<i>Recommended Hole Size Based on 75% Thread = 7mm TRU-FLO at 65% Thread = 7.56mm</i>								
HAND TAP	5	6H	4	20358	20359	8.70	8.70	8.70	8.00	8.00	8.00	8.00	8.00
SPIRAL POINT	5	6H	2	20356		9.90	9.90	9.90	8.80	8.80	8.80	8.80	8.80
HAND TAP	3	4H	4	20353	20354	35.60	20.60	14.30	11.60	11.20	10.80	10.10	9.20

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BACK TO INDEX

SIZE / DESCRIPTION	D#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
M8 x 1.0				<i>See Previous Page for Recommended Hole Size</i>									
SPIRAL POINT	3	4H	2	20351		36.70	21.80	15.70	13.00	12.50	12.20	11.30	10.60
L.H. HAND TAP	5	6H	4	20363	20364	9.70	9.70	9.70	8.70	8.70	8.70	8.70	8.30
+ .127mm HAND TAP	11	PLATING	4	20376	20377	10.70	10.70	10.70	9.80	9.80	9.80	9.80	8.60
+ .127mm SPIRAL POINT	11	PLATING	2	20374		12.20	12.20	12.20	11.10	11.10	11.10	11.10	9.50
REGULAR SPIRAL FLUTE	5	6H	3	20367	20368	20.90	20.90	20.90	19.00	19.00	19.00	19.00	17.90
FAST SPIRAL FLUTE	5	6H	3	20371	20372	21.80	21.80	21.80	19.80	19.80	19.80	19.80	18.50
"TRU-FLO" FORM TAP	8	6H	0	19216	19217	27.70	27.70	27.70	27.70	27.70	27.70	22.60	19.70
SOLID CARBIDE / HAND	5	6H	4	43033	43034	83.70	83.70	83.70	83.70	83.70	81.70	80.10	72.40
R.H. ROUND DIE 25.4mm OD				13548		51.90	45.80	42.40	39.20	37.50	33.60	27.50	27.30
L.H. ROUND DIE 25.4mm OD				13549		51.90	45.80	42.40	39.20	37.50	33.60	27.50	27.30
GAGE - Taperlock Style		6H		25068		77.80							
GAGE - Reversible Style		6H		25710		104.10							
GAGE - Ring-Go		6g		25270		102.60							
GAGE - Ring-NoGo		6g		25271		102.60							
GAGE - L.H. Taperlock Style		6H		22812		156.20							
GAGE - L.H. Taperlock Style		4H		22813		156.20							
GAGE - L.H. Reversible Style		6H		22814		195.80							
GAGE - L.H. Reversible Style		4H		22815		195.80							
GAGE - L.H. Ring-Go		4g		22816		205.70							
GAGE - L.H. Ring-NoGo		4g		22817		205.70							
GAGE - L.H. Ring-Go		6g		22818		205.70							
GAGE - L.H. Ring-NoGo		6g		22819		205.70							
M8 x 0.75				<i>Recommended Hole Size Based on 75% Thread = 7.25mm</i>									
HAND TAP	5	6H	4	20941	20942	83.40	58.50	56.40	38.40	27.70	21.90	16.50	15.00
GAGE - Taperlock Style		6H		22820		192.50							
GAGE - Reversible Style		6H		22821		243.10							
GAGE - Ring-Go		6g		22822		260.70							
GAGE - Ring-NoGo		6g		22823		260.70							
GAGE - L.H. Taperlock Style		6H		22824		195.80							
GAGE - L.H. Taperlock Style		4H		22825		195.80							
GAGE - L.H. Reversible Style		6H		22826		244.20							
GAGE - L.H. Reversible Style		4H		22827		244.20							
GAGE - L.H. Ring-Go		4g		22828		260.70							
GAGE - L.H. Ring-NoGo		4g		22829		260.70							
GAGE - L.H. Ring-Go		6g		22830		260.70							
GAGE - L.H. Ring-NoGo		6g		22831		260.70							
M8 x 0.5				<i>Recommended Hole Size Based on 75% Thread = 7.5mm</i>									
HAND TAP	4	6H	4	21024	21025	83.40	58.50	56.40	38.40	27.70	21.90	16.50	15.00
M9 x 1.25				<i>Recommended Hole Size Based on 75% Thread = 7.75mm</i>									
HAND TAP	5	6H	4	21038	21039	91.70	62.80	48.60	41.80	30.70	24.90	19.90	17.60
GAGE - Taperlock Style		6H		22832		95.70							
GAGE - Reversible Style		6H		22833		110.00							
GAGE - Ring-Go		6g		22834		217.80							
GAGE - Ring-NoGo		6g		22835		217.80							
GAGE - L.H. Taperlock Style		6H		22836		156.20							
GAGE - L.H. Taperlock Style		4H		22837		156.20							
GAGE - L.H. Reversible Style		6H		22838		195.80							
GAGE - L.H. Reversible Style		4H		22839		195.80							
GAGE - L.H. Ring-Go		4g		22840		205.70							
GAGE - L.H. Ring-NoGo		4g		22841		205.70							
GAGE - L.H. Ring-Go		6g		22842		205.70							
GAGE - L.H. Ring-NoGo		6g		22843		205.70							

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BACK TO INDEX

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M9 x 1.0					<i>Recommended Hole Size Based on 75% Thread = 8mm</i>								
HAND TAP	5	6H	4	21041	21042	91.70	62.80	48.60	41.80	30.70	24.90	19.90	17.60
GAGE - Taperlock Style		6H		22844		156.20							
GAGE - Reversible Style		6H		22845		194.70							
GAGE - Ring-Go		6g		22846		205.70							
GAGE - Ring-NoGo		6g		22847		205.70							
M10 x 1.5					<i>Recommended Hole Size Based on 75% Thread = 8.5mm TRU-FLO at 65% Thread = 9.34mm</i>								
HAND TAP	6	6H	4	20391	20392	15.50	15.50	15.50	14.00	14.00	14.00	14.00	13.00
SPIRAL POINT	6	6H	3	20389		17.10	17.10	17.10	15.60	15.60	15.60	15.60	14.50
HAND TAP	3	4H	4	20386	20387	48.80	29.50	20.90	18.00	17.50	16.30	15.60	13.90
SPIRAL POINT	3	4H	3	20384		50.30	30.80	22.20	19.40	18.90	17.60	16.70	15.10
+ .076 SPIRAL POINT	7		3	21043		93.10	65.50	62.40	42.70	31.60	26.00	20.50	17.90
REGULAR SPIRAL FLUTE	6	6H	3	20400	20401	27.70	27.70	27.70	24.00	24.00	24.00	24.00	19.90
FAST SPIRAL FLUTE	6	6H	3	20404	20405	29.70	29.70	29.70	25.90	25.90	25.90	25.90	20.80
L.H. HAND TAP	6	6H	4	20396	20397	18.00	18.00	18.00	16.40	16.40	16.40	16.40	13.80
6" EXT HAND .323 SHK	6	6H	4	21194	21195	38.60	38.60	38.60	38.60	38.60	38.60	38.60	38.60
6" EXT SP PT .323 SHK	6	6H	3	21196		44.40	44.40	44.40	44.40	44.40	44.40	44.40	44.40
6" EXTENSION HAND TAP	6	6H	4	20415	20416	37.00	37.00	37.00	37.00	37.00	37.00	37.00	24.80
6" EXT SPIRAL POINT	6	6H	3	21026		38.40	38.40	38.40	38.40	38.40	38.40	38.40	26.10
+ .127mm HAND TAP	11	PLATING	4	20410	20411	17.50	17.50	17.50	15.80	15.80	15.80	15.80	14.20
+ .127mm SPIRAL POINT	11	PLATING	3	20408		18.90	18.90	18.90	17.20	17.20	17.20	17.20	15.10
"TRU-FLO" FORM TAP	10	6H	0	19218	19219	30.30	30.30	30.30	30.30	30.30	30.30	25.20	21.00
SOLID CARBIDE / HAND	6	6H	4	43037	43038	104.50	94.10	89.00	83.70	81.60	78.50	75.40	73.20
SOLID CARBIDE / SP PT	6	6H	3	43039		107.70	97.30	92.20	85.20	83.10	80.00	76.90	74.70
"COST CUTTER" DRILL/TAP	6	6H	2	29032		25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60
TIN COAT / SP PT x 6"	6	6H	3	55012		45.50	45.50	45.50	45.50	45.50	45.50	45.50	33.40
R.H. ROUND DIE 25.4mm OD				13556		36.20	30.80	29.00	27.50	27.50	27.50	27.50	27.30
L.H. ROUND DIE 38.1mm OD				13557		63.90	54.50	51.30	36.60	35.00	31.90	27.50	27.30
GAGE - Taperlock Style		6H		25073		80.70							
GAGE - Reversible Style		6H		25715		104.10							
GAGE - Ring-Go		6g		25275		111.40							
GAGE - Ring-NoGo		6g		25276		111.40							
GAGE - L.H. Taperlock Style		6H		22848		156.20							
GAGE - L.H. Taperlock Style		4H		22849		156.20							
GAGE - L.H. Reversible Style		6H		22850		195.80							
GAGE - L.H. Reversible Style		4H		22851		195.80							
GAGE - L.H. Ring-Go		4g		22852		217.80							
GAGE - L.H. Ring-NoGo		4g		22853		217.80							
GAGE - L.H. Ring-Go		6g		22854		217.80							
GAGE - L.H. Ring-NoGo		6g		22855		217.80							
M10 x 1.25					<i>Recommended Hole Size Based on 75% Thread = 8.75mm TRU-FLO at 65% Thread = 9.45mm</i>								
HAND TAP	3	4H	4	20420	20421	48.80	29.50	20.90	18.00	17.50	16.30	15.60	13.90
SPIRAL POINT	3	4H	3	20418		50.30	30.80	22.20	19.30	18.90	17.60	16.70	15.10
HAND TAP	5	6H	4	20425	20426	16.30	16.30	16.30	14.70	14.70	14.70	14.70	14.20
SPIRAL POINT	5	6H	3	20423		16.70	16.70	16.70	15.40	15.40	15.40	15.40	15.10
REGULAR SPIRAL FLUTE	5	6H	3	20434	20435	27.70	27.70	27.70	24.00	24.00	24.00	24.00	19.90
FAST SPIRAL FLUTE	5	6H	3	20438	20439	29.70	29.70	29.70	25.90	25.90	25.90	25.90	20.80
L.H. HAND TAP	5	6H	4	20430	20431	18.00	18.00	18.00	16.40	16.40	16.40	16.40	13.80
+ .127mm HAND TAP	11	PLATING	4	20443	20444	17.50	17.50	17.50	15.80	15.80	15.80	15.80	14.20
+ .127mm SPIRAL POINT	11	PLATING	3	20441		18.90	18.90	18.90	17.20	17.20	17.20	17.20	15.10
"TRU-FLO" FORM TAP	9	6H	0	19220	19221	30.30	30.30	30.30	30.30	30.30	30.30	25.20	21.00
SOLID CARBIDE HAND TAP	5	6H	4	43041	43042	104.50	94.10	89.00	83.70	81.60	78.50	75.40	73.20
SOLID CARBIDE SP PT	5	6H	3	43043		107.70	97.30	92.20	85.20	83.10	80.00	76.90	74.70
TIN COAT / SP PT	5	6H	3	55003		20.90	20.90	20.90	19.40	19.40	19.40	19.40	19.10
R.H. ROUND DIE 38.1mm OD				13558		67.10	59.80	56.40	53.10	50.90	46.30	42.80	42.40
L.H. ROUND DIE 38.1mm OD				13559		67.10	59.80	56.40	53.10	50.90	46.30	42.80	42.40
GAGE - Taperlock Style		6H		25078		80.70							

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METRIC POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	D#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
M10 x 1.25					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - Reversible Style		6H		25720		104.10							
GAGE - Ring-Go		6g		25150		111.40							
GAGE - Ring-NoGo		6g		25151		111.40							
GAGE - L.H. Taperlock Style		6H		22856		156.20							
GAGE - L.H. Taperlock Style		4H		22857		156.20							
GAGE - L.H. Reversible Style		6H		22858		195.80							
GAGE - L.H. Reversible Style		4H		22859		195.80							
GAGE - L.H. Ring-Go		4g		22860		205.70							
GAGE - L.H. Ring-NoGo		4g		22861		205.70							
GAGE - L.H. Ring-Go		6g		22862		205.70							
GAGE - L.H. Ring-NoGo		6g		22863		205.70							
M10 x 1.0					<i>Recommended Hole Size Based on 75% Thread = 9mm</i>								
SPARK PL HAND	3		4	20448	20449	15.70	15.70	15.70	14.20	14.20	14.20	14.20	13.80
HAND TAP	5	6H	4	20945	20946	91.70	62.80	48.60	41.80	30.70	24.90	19.90	17.60
L.H. HAND TAP	5	6H	4	20949	20950	91.70	62.80	48.60	41.80	30.70	24.90	19.90	17.60
SPIRAL POINT	5	6H	3	20978		93.10	64.00	50.10	43.20	31.80	26.10	21.30	19.00
R.H. ROUND DIE 38.1mm OD				13554		67.10	57.20	53.80	53.10	50.90	46.30	42.70	42.40
GAGE - Taperlock Style		6H		22864		83.60							
GAGE - Reversible Style		6H		22865		205.70							
GAGE - Ring-Go		6g		22866		112.20							
GAGE - Ring-NoGo		6g		22867		112.20							
GAGE - L.H. Taperlock Style		6H		22868		166.10							
GAGE - L.H. Taperlock Style		4H		22869		166.10							
GAGE - L.H. Reversible Style		6H		22870		207.90							
GAGE - L.H. Reversible Style		4H		22871		207.90							
GAGE - L.H. Ring-Go		4g		22872		217.80							
GAGE - L.H. Ring-NoGo		4g		22873		217.80							
GAGE - L.H. Ring-Go		6g		22874		217.80							
GAGE - L.H. Ring-NoGo		6g		22875		217.80							
M11 x 1.5					<i>Recommended Hole Size Based on 75% Thread = 9.5mm</i>								
HAND TAP	6	6H	4	20453	20454	52.60	30.80	22.20	19.30	18.70	17.90	16.80	16.40
SPIRAL POINT	6	6H	3	20451		54.10	32.00	23.40	20.60	20.00	19.10	18.40	17.90
R.H. ROUND DIE 38.1mm OD				13560		67.10	59.80	56.40	53.10	50.90	46.30	42.80	42.40
GAGE - Taperlock Style		6H		22876		95.70							
GAGE - Reversible Style		6H		22877		124.30							
GAGE - Ring-Go		6g		22878		121.00							
GAGE - Ring-NoGo		6g		22879		121.00							
GAGE - L.H. Taperlock Style		6H		22880		156.20							
GAGE - L.H. Taperlock Style		4H		22881		156.20							
GAGE - L.H. Reversible Style		6H		22882		195.80							
GAGE - L.H. Reversible Style		4H		22883		195.80							
GAGE - L.H. Ring-Go		4g		22884		217.80							
GAGE - L.H. Ring-NoGo		4g		22885		217.80							
GAGE - L.H. Ring-Go		6g		22886		217.80							
GAGE - L.H. Ring-NoGo		6g		22887		217.80							
M11 x 1.0					<i>Recommended Hole Size Based on 75% Thread = 10mm</i>								
HAND TAP	5	6H	4	20985	20986	95.20	66.40	62.40	42.70	31.60	26.00	20.50	20.00
GAGE - Taperlock Style		6H		22888		168.30							
GAGE - Reversible Style		6H		22889		207.90							
GAGE - Ring-Go		6g		22890		220.00							
GAGE - Ring-NoGo		6g		22891		220.00							
M12 x 1.75					<i>Recommended Hole Size Based on 75% Thread = 10.25mm TRU-FLO at 65% Thread = 11.23mm</i>								
HAND TAP	6	6H	4	20463	20464	16.70	16.70	16.70	15.50	15.50	15.50	15.50	15.10
SPIRAL POINT	6	6H	3	20461		18.50	18.50	18.50	16.70	16.70	16.70	16.70	16.50
HAND TAP	3	4H	4	20458	20459	58.10	33.60	23.30	21.80	20.50	19.30	18.40	18.30

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METRIC POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	D#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
M12 x 1.75					<i>See Previous Page for Recommended Hole Size</i>								
SPIRAL POINT	3	4H	3	20456		59.80	35.30	25.20	23.10	21.80	20.50	19.70	19.40
REGULAR SPIRAL FLUTE	6	6H	3	20472	20473	36.10	36.10	36.10	31.60	31.60	31.60	31.60	26.60
FAST SPIRAL FLUTE	6	6H	3	20476	20477	38.50	38.50	38.50	33.60	33.60	33.60	33.60	28.80
L.H. HAND TAP	6	6H	4	20468	20469	21.20	21.20	21.20	19.30	19.30	19.30	19.30	19.10
6" EXTENSION HAND TAP	6	6H	4	20487	20488	40.20	40.20	40.20	40.20	40.20	40.20	40.20	29.80
6" EXT SP PT	6	6H	3	20913		42.40	42.40	42.40	42.40	42.40	42.40	42.40	31.90
+ .127mm HAND TAP	11	PLATING	4	20482	20483	20.80	20.80	20.80	19.00	19.00	19.00	19.00	18.70
+ .127mm SPIRAL POINT	11	PLATING	3	20480		22.30	22.30	22.30	20.60	20.60	20.60	20.60	20.20
"TRU-FLO" FORM TAP	11	6H	0	19222	19223	38.60	38.60	38.60	38.60	38.60	38.60	32.00	27.70
SOLID CARBIDE/HAND	6	6H	4	43045	43046	158.60	158.60	158.60	153.40	139.00	136.80	127.80	126.50
SOLID CARBIDE / SP PT	6	6H	3	43047		161.80	161.80	161.80	154.90	140.50	138.30	129.30	128.00
"COST CUTTER" DRILL/TAP	6	6H	2	29033		34.80	34.80	34.80	34.80	34.80	34.80	34.80	34.80
TIN COAT / SP PT x 6"	6	6H	3	55008		49.60	49.60	49.60	49.60	49.60	49.60	49.60	39.30
R.H. ROUND DIE 38.1mm OD				13564		59.30	50.30	47.50	42.80	42.80	42.80	42.80	42.40
L.H. ROUND DIE 38.1mm OD				13565		67.10	59.80	56.40	53.10	50.90	46.30	42.80	42.40
GAGE - Taperlock Style		6H		25083		86.40							
GAGE - Reversible Style		6H		25725		115.80							
GAGE - Ring-Go		6g		25280		118.80							
GAGE - Ring-NoGo		6g		25281		118.80							
GAGE - L.H. Taperlock Style		6H		22892		156.20							
GAGE - L.H. Taperlock Style		4H		22893		156.20							
GAGE - L.H. Reversible Style		6H		22894		195.80							
GAGE - L.H. Reversible Style		4H		22895		195.80							
GAGE - L.H. Ring-Go		4g		22896		205.70							
GAGE - L.H. Ring-NoGo		4g		22897		205.70							
GAGE - L.H. Ring-Go		6g		22898		205.70							
GAGE - L.H. Ring-NoGo		6g		22899		205.70							
M12 x 1.5					<i>Recommended Hole Size Based on 75% Thread = 10.50mm</i>								
HAND TAP	6	6H	4	20906	20907	93.00	65.60	59.50	40.50	30.00	24.80	19.40	19.30
SPIRAL POINT	6	6H	3	21027		99.80	71.10	64.40	44.70	33.60	28.10	21.70	21.20
TIN COAT / SP PT	6	6H	3	55013		104.30	75.50	69.10	49.20	38.40	32.80	26.10	25.90
GAGE - Taperlock Style		6H		22900		79.20							
GAGE - Reversible Style		6H		22901		107.80							
GAGE - Ring-Go		6g		22902		114.40							
GAGE - Ring-NoGo		6g		22903		114.40							
GAGE - L.H. Taperlock Style		6H		22904		156.20							
GAGE - L.H. Taperlock Style		4H		22905		156.20							
GAGE - L.H. Reversible Style		6H		22906		195.80							
GAGE - L.H. Reversible Style		4H		22907		195.80							
GAGE - L.H. Ring-Go		4g		22908		205.70							
GAGE - L.H. Ring-NoGo		4g		22909		205.70							
GAGE - L.H. Ring-Go		6g		22910		205.70							
GAGE - L.H. Ring-NoGo		6g		22911		205.70							
M12 x 1.25					<i>Recommended Hole Size Based on 75% Thread = 10.75mm TRU-FLO at 65% Thread = 11.45mm</i>								
HAND TAP	5	6H	4	20497	20498	19.40	19.40	19.40	17.90	17.90	17.90	17.90	17.90
SPIRAL POINT	5	6H	3	20495		20.80	20.80	20.80	19.00	19.00	19.00	19.00	19.00
HAND TAP	3	4H	4	20492	20493	58.10	33.60	23.30	21.80	20.50	19.30	18.40	18.30
SPIRAL POINT	3	4H	3	20490		59.80	35.30	25.20	23.10	21.80	20.50	19.70	19.40
REGULAR SPIRAL FLUTE	5	6H	3	20506	20507	36.10	36.10	36.10	31.60	31.60	31.60	31.60	26.60
FAST SPIRAL FLUTE	5	6H	3	20510	20511	38.50	38.50	38.50	33.60	33.60	33.60	33.60	28.80
L.H. HAND TAP	5	6H	4	20502	20503	21.20	21.20	21.20	19.30	19.30	19.30	19.30	19.00
+ .127mm HAND TAP	11	PLATING	4	20515	20516	20.80	20.80	20.80	19.00	19.00	19.00	19.00	19.00
"TRU-FLO" FORM TAP	10	6H	0	19224	19225	38.60	38.60	38.60	38.60	38.60	38.60	32.00	27.70
TIN COAT / REG SPIRAL FLT	5	6H	3	55004		40.70	40.70	40.70	36.10	36.10	36.10	36.10	31.10
R.H. ROUND DIE 38.1mm OD				13566		67.10	59.80	56.40	53.10	50.90	46.30	42.80	42.40
L.H. ROUND DIE 38.1mm OD				13567		67.10	59.80	56.40	53.10	50.90	46.30	42.80	42.40
GAGE - Taperlock Style		6H		25088		86.40							

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BACK TO INDEX

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M12 x 1.25					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - Reversible Style		6H		25730		115.80							
GAGE - Ring-Go		6g		25285		118.80							
GAGE - Ring-NoGo		6g		25286		118.80							
GAGE - L.H. Taperlock Style		6H		22912		156.20							
GAGE - L.H. Taperlock Style		4H		22913		156.20							
GAGE - L.H. Reversible Style		6H		22914		195.80							
GAGE - L.H. Reversible Style		4H		22915		195.80							
GAGE - L.H. Ring-Go		4g		22916		205.70							
GAGE - L.H. Ring-NoGo		4g		22917		205.70							
GAGE - L.H. Ring-Go		6g		22918		205.70							
GAGE - L.H. Ring-NoGo		6g		22919		205.70							
M12 x 1.0					<i>Recommended Hole Size Based on 75% Thread = 11mm</i>								
HAND TAP	5	6H	4	20890	20891	97.60	69.00	62.40	42.70	31.60	26.00	20.50	19.90
SPIRAL POINT	5	6H	3	20914		99.80	71.10	64.40	44.70	33.60	28.10	21.90	21.70
GAGE - Taperlock Style		6H		22920		168.30							
GAGE - Reversible Style		6H		22921		220.00							
GAGE - Ring-Go		6g		22922		220.00							
GAGE - Ring-NoGo		6g		22923		220.00							
M14 x 2.0					<i>Recommended Hole Size Based on 75% Thread = 12mm TRU-FLO at 65% Thread = 13.13mm</i>								
HAND TAP	7	6H	4	20530	20531	28.40	28.40	26.00	26.00	26.00	26.00	26.00	24.90
SPIRAL POINT	7	6H	3	20528		31.00	31.00	28.40	28.40	28.40	28.40	28.40	27.50
HAND TAP	3	4H	4	20525	20526	65.80	39.10	27.40	27.40	27.40	26.00	26.00	24.90
SPIRAL POINT	3	4H	3	20523		71.30	41.70	29.80	29.80	29.80	28.40	28.40	27.50
L.H. HAND TAP	7	6H	4	20535	20536	30.70	30.70	27.70	27.70	27.70	27.70	27.70	24.90
"TRU-FLO" FORM TAP	12	6H	0	19226	19227	41.80	41.80	41.80	41.80	41.80	41.80	35.30	31.50
R.H. ROUND DIE 38.1mm OD				13570		56.40	52.00	49.60	46.30	46.30	46.30	42.80	42.40
L.H. ROUND DIE 38.1mm OD				13571		67.10	59.80	56.40	53.10	50.90	46.30	42.80	42.40
GAGE - Taperlock Style		6H		25093		107.10							
GAGE - Reversible Style		6H		25735		131.90							
GAGE - Ring-Go		6g		25290		131.90							
GAGE - Ring-NoGo		6g		25291		131.90							
GAGE - L.H. Taperlock Style		6H		22924		156.20							
GAGE - L.H. Taperlock Style		4H		22925		156.20							
GAGE - L.H. Reversible Style		6H		22926		198.00							
GAGE - L.H. Reversible Style		4H		22927		198.00							
GAGE - L.H. Ring-Go		4g		22928		212.30							
GAGE - L.H. Ring-NoGo		4g		22929		212.30							
GAGE - L.H. Ring-Go		6g		22930		212.30							
GAGE - L.H. Ring-NoGo		6g		22931		212.30							
M14 x 1.5					<i>Recommended Hole Size Based on 75% Thread = 12.5mm TRU-FLO at 65% Thread = 13.34mm</i>								
HAND TAP	6	6H	4	20546	20547	28.40	28.40	26.00	26.00	26.00	26.00	26.00	24.90
SPIRAL POINT	6	6H	3	20543		31.00	31.00	28.40	28.40	28.40	28.40	28.40	27.50
HAND TAP	3	4H	4	20540	20541	65.80	39.10	27.40	27.40	27.40	26.00	26.00	24.90
SPIRAL POINT	3	4H	3	20538		71.30	41.70	29.80	29.80	29.80	28.40	28.40	27.50
L.H. HAND TAP	6	6H	4	20551	20552	30.70	30.70	27.70	27.70	27.70	27.70	27.70	24.90
"TRU-FLO" FORM TAP	11	6H	0	19228	19229	41.80	41.80	41.80	41.80	41.80	41.80	35.30	31.50
R.H. ROUND DIE 38.1mm OD				13572		67.10	59.80	56.40	53.10	50.90	46.30	42.80	42.40
L.H. ROUND DIE 38.1mm OD				13573		67.10	59.80	56.40	53.10	50.90	46.30	42.80	42.40
GAGE - Taperlock Style		6H		25098		107.10							
GAGE - Reversible Style		6H		25740		131.90							
GAGE - Ring-Go		6g		25295		131.90							
GAGE - Ring-NoGo		6g		25296		131.90							
GAGE - L.H. Taperlock Style		6H		22932		156.20							
GAGE - L.H. Taperlock Style		4H		22933		156.20							
GAGE - L.H. Reversible Style		6H		22934		198.00							
GAGE - L.H. Reversible Style		4H		22935		198.00							

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BACK TO INDEX

SIZE / DESCRIPTION	D#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
M14 x 1.5					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - L.H. Ring-Go		4g		22936		212.30							
GAGE - L.H. Ring-NoGo		4g		22937		212.30							
GAGE - L.H. Ring-Go		6g		22938		212.30							
GAGE - L.H. Ring-NoGo		6g		22939		212.30							
M14 x 1.25					<i>Recommended Hole Size Based on 75% Thread = 12.75mm</i>								
SPARK PL HAND	4		4	20556	20557	28.40	28.40	26.00	26.00	26.00	26.00	26.00	24.90
R.H. ROUND DIE 38.1mm OD				13568		67.10	59.80	56.40	53.10	50.90	46.30	42.80	42.40
GAGE - Taperlock Style		6H		22940		156.20							
GAGE - Reversible Style		6H		22941		201.30							
GAGE - Ring-Go		6g		22942		217.80							
GAGE - Ring-NoGo		6g		22943		217.80							
M14 x 1.0					<i>Recommended Hole Size Based on 75% Thread = 13mm</i>								
HAND TAP	5	6H	4	20902	20903	99.80	70.70	64.00	45.90	35.00	29.30	26.00	24.90
GAGE - Taperlock Style		6H		22944		168.30							
GAGE - Reversible Style		6H		22945		22945							
GAGE - Ring-Go		6g		22946		217.80							
GAGE - Ring-NoGo		6g		22947		217.80							
M15 x 1.0					<i>Recommended Hole Size Based on 75% Thread = 14mm</i>								
HAND TAP	5	6H	4	20989	20990	105.90	77.00	70.60	52.00	41.50	35.90	32.20	31.50
GAGE - Taperlock Style		6H		22948		91.30							
GAGE - Reversible Style		6H		22949		128.70							
GAGE - Ring-Go		6g		22950		171.10							
GAGE - Ring-NoGo		6g		22951		127.10							
GAGE - L.H. Taperlock Style		6H		22952		166.10							
GAGE - L.H. Taperlock Style		4H		22953		166.10							
GAGE - L.H. Reversible Style		6H		22954		212.30							
GAGE - L.H. Reversible Style		4H		22955		212.30							
GAGE - L.H. Ring-Go		4g		22956		242.00							
GAGE - L.H. Ring-NoGo		4g		22957		242.00							
GAGE - L.H. Ring-Go		6g		22958		242.00							
GAGE - L.H. Ring-NoGo		6g		22959		242.00							
M16 x 2.0					<i>Recommended Hole Size Based on 75% Thread = 14mm TRU-FLO at 65% Thread = 15.13mm</i>								
HAND TAP	7	6H	4	20566	20567	34.30	34.30	31.10	31.10	31.10	31.10	31.10	30.30
SPIRAL POINT	7	6H	3	20564		37.10	37.10	33.90	33.90	33.90	33.90	33.90	33.10
HAND TAP	4	4H	4	20561	20562	74.80	43.30	32.60	32.60	32.60	31.10	31.10	30.30
SPIRAL POINT	4	4H	3	20559		77.40	46.10	35.30	35.30	35.30	33.90	33.90	33.10
L.H. HAND TAP	7	6H	4	20571	20572	37.10	37.10	33.90	33.90	33.90	33.90	31.80	30.30
6" EXTENSION HAND TAP	7	6H	4	20953	20954	87.30	68.80	59.50	53.40	49.60	47.40	45.00	44.00
6" EXT SPIRAL POINT	7	6H	3	21028		90.20	71.50	62.20	56.10	52.30	50.20	47.70	46.50
"TRU-FLO" FORM TAP	14	6H	0	19230	19231	48.60	48.60	48.60	48.60	48.60	48.60	42.00	38.50
TIN COAT / HAND TAP x 6"	7	6H	4	55010		98.30	79.60	70.00	64.00	60.30	58.10	55.90	54.60
+ .127mm HAND TAP	11	PLATING	4	20576	20577	37.50	37.50	32.60	32.60	32.60	31.10	31.10	30.30
+ .127mm SPIRAL POINT	11	PLATING	3	20574		39.10	39.10	35.30	35.30	35.30	33.90	33.90	33.10
R.H. ROUND DIE 38.1mm OD				13576		59.30	50.30	47.50	46.30	46.30	46.30	42.80	42.40
L.H. ROUND DIE 38.1mm OD				13577		67.10	59.80	56.40	53.10	50.90	46.30	42.80	42.40
GAGE - Taperlock Style		6H		25103		107.10							
GAGE - Reversible Style		6H		25745		131.90							
GAGE - Ring-Go		6g		25300		131.90							
GAGE - Ring-NoGo		6g		25301		131.90							
GAGE - L.H. Taperlock Style		6H		22960		166.10							
GAGE - L.H. Taperlock Style		4H		22961		166.10							
GAGE - L.H. Reversible Style		6H		22962		212.30							
GAGE - L.H. Reversible Style		4H		22963		212.30							
GAGE - L.H. Ring-Go		4g		22964		217.80							
GAGE - L.H. Ring-NoGo		4g		22965		217.80							

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METRIC POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	D#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
M16 x 2.0					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - L.H. Ring-Go		6g		22966		217.80							
GAGE - L.H. Ring-NoGo		6g		22967		217.80							
M16 x 1.5					<i>Recommended Hole Size Based on 75% Thread = 14.5mm</i>								
HAND TAP	6	6H	4	20586	20587	34.30	34.30	31.10	31.10	31.10	31.10	31.10	30.30
SPIRAL POINT	6	6H	3	20584		37.10	37.10	33.90	33.90	33.90	33.90	33.90	33.10
HAND TAP	3	4H	4	20581	20582	74.80	43.30	32.60	32.60	32.60	31.10	31.10	30.30
SPIRAL POINT	3	4H	3	20579		77.40	46.10	35.30	35.30	35.30	33.90	33.90	33.10
L.H. HAND TAP	6	6H	4	20591	20592	37.10	37.10	33.90	33.90	33.90	33.90	31.80	30.30
R.H. ROUND DIE 38.1mm OD				13578		67.10	59.80	56.40	53.10	50.90	46.30	42.80	42.40
L.H. ROUND DIE 38.1mm OD				13579		67.10	59.80	56.40	53.10	50.90	46.30	42.80	42.40
GAGE - Taperlock Style		6H		25108		107.10							
GAGE - Reversible Style		6H		25750		131.90							
GAGE - Ring-Go		6g		25305		131.90							
GAGE - Ring-NoGo		6g		25306		131.90							
GAGE - L.H. Taperlock Style		6H		22968		166.10							
GAGE - L.H. Taperlock Style		4H		22969		166.10							
GAGE - L.H. Reversible Style		6H		22970		212.30							
GAGE - L.H. Reversible Style		4H		22971		212.30							
GAGE - L.H. Ring-Go		4g		22972		217.80							
GAGE - L.H. Ring-NoGo		4g		22973		217.80							
GAGE - L.H. Ring-Go		6g		22974		217.80							
GAGE - L.H. Ring-NoGo		6g		22975		217.80							
M16 x 1.0					<i>Recommended Hole Size Based on 75% Thread = 15mm</i>								
HAND TAP	5	6H	4	21045	21046	105.90	77.00	70.60	52.00	41.50	35.90	32.20	31.10
GAGE - Taperlock Style		6H		22976		180.40							
GAGE - Reversible Style		6H		22977		225.50							
GAGE - Ring-Go		6g		22978		242.00							
GAGE - Ring-NoGo		6g		22979		242.00							
GAGE - L.H. Taperlock Style		6H		22980		180.40							
GAGE - L.H. Taperlock Style		4H		22981		180.40							
GAGE - L.H. Reversible Style		6H		22982		232.10							
GAGE - L.H. Reversible Style		4H		22983		232.10							
GAGE - L.H. Ring-Go		4g		22984		242.00							
GAGE - L.H. Ring-NoGo		4g		22985		242.00							
GAGE - L.H. Ring-Go		6g		22986		242.00							
GAGE - L.H. Ring-NoGo		6g		22987		242.00							
M18 x 2.5					<i>Recommended Hole Size Based on 75% Thread = 15.5mm</i>								
HAND TAP	7	6H	4	20601	20602	41.90	41.90	37.00	37.00	37.00	37.00	37.00	30.70
SPIRAL POINT	7	6H	3	20599		45.40	45.40	40.50	40.50	40.50	40.50	40.50	34.20
L.H. HAND TAP	7	6H	4	20606	20607	46.80	46.80	42.60	42.60	42.60	42.60	42.60	38.90
R.H. ROUND DIE 38.1mm OD				13584		67.10	59.80	56.40	53.10	50.90	46.30	42.80	42.40
L.H. ROUND DIE 38.1mm OD				13585		67.10	59.80	56.40	53.10	50.90	46.30	42.80	42.40
GAGE - Taperlock Style		6H		25113		121.80							
GAGE - Reversible Style		6H		25755		152.50							
GAGE - Ring-Go		6g		25310		171.60							
GAGE - Ring-NoGo		6g		25311		171.60							
M18 x 1.5					<i>Recommended Hole Size Based on 75% Thread = 16.5mm TRU-FLO at 65% Thread = 17.34mm</i>								
HAND TAP	6	6H	4	20621	20622	41.90	41.90	37.00	37.00	37.00	37.00	37.00	30.70
SPARK PL HAND	4		4	20616	20617	41.90	41.90	37.00	37.00	37.00	37.00	37.00	30.70
HAND TAP	3	4H	4	20611	20612	41.90	41.90	37.00	37.00	37.00	37.00	37.00	30.70
L.H. HAND TAP	6	6H	4	20626	20627	46.80	46.80	42.60	42.60	42.60	42.60	42.60	38.90
"TRU-FLO" FORM TAP	12	6H	0	19232	19233	53.50	53.50	53.50	53.50	53.50	53.50	47.20	42.70
R.H. ROUND DIE 38.1mm OD				13586		67.10	59.80	56.40	53.10	50.90	46.30	42.80	42.40
GAGE - Taperlock Style		6H		25118		121.80							
GAGE - Reversible Style		6H		25760		152.50							

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METRIC POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	D#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
M18 x 1.5					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - Ring-Go		6g		25315		171.60							
GAGE - Ring-NoGo		6g		25316		171.60							
GAGE - L.H. Taperlock Style		6H		21677		166.10							
GAGE - L.H. Taperlock Style		4H		21678		166.10							
GAGE - L.H. Reversible Style		6H		21679		212.30							
GAGE - L.H. Reversible Style		4H		21680		212.30							
GAGE - L.H. Ring-Go		4g		21681		217.80							
GAGE - L.H. Ring-NoGo		4g		21682		217.80							
GAGE - L.H. Ring-Go		6g		21683		217.80							
GAGE - L.H. Ring-NoGo		6g		21684		217.80							

M18 x 1.0					<i>Recommended Hole Size Based on 75% Thread = 17mm</i>								
HAND TAP	5	6H	4	20894	20895	127.20	90.60	70.00	54.10	46.50	39.20	38.00	36.40
GAGE - Taperlock Style		6H		22988		180.40							
GAGE - Reversible Style		6H		22989		226.60							
GAGE - Ring-Go		6g		22990		242.00							
GAGE - Ring-NoGo		6g		22991		242.00							
GAGE - L.H. Taperlock Style		6H		22992		180.40							
GAGE - L.H. Taperlock Style		4H		22993		180.40							
GAGE - L.H. Reversible Style		6H		22994		232.10							
GAGE - L.H. Reversible Style		4H		22995		232.10							
GAGE - L.H. Ring-Go		4g		22996		242.00							
GAGE - L.H. Ring-NoGo		4g		22997		242.00							
GAGE - L.H. Ring-Go		6g		22998		242.00							
GAGE - L.H. Ring-NoGo		6g		22999		242.00							

M20 x 2.5					<i>Recommended Hole Size Based on 75% Thread = 17.5mm</i>								
HAND TAP	7	6H	4	20636	20637	47.20	47.20	42.90	42.90	42.90	42.90	42.90	39.20
SPIRAL POINT	7	6H	3	20634		52.70	52.70	48.50	48.50	48.50	48.50	48.50	44.70
HAND TAP	4	4H	4	20631	20632	89.70	58.10	46.10	46.10	46.10	46.10	46.10	39.20
FAST SPIRAL FLUTE	7	6H	4	21051	21052	160.10	133.00	106.20	89.20	77.00	68.00	63.60	60.70
L.H. HAND TAP	7	6H	4	20641	20642	57.60	57.60	52.50	52.50	52.50	52.50	52.50	45.40
6" EXTENSION HAND TAP	7	6H	4	20933	20934	108.70	88.20	79.50	71.30	66.80	63.80	61.20	55.30
+ .127mm HAND TAP	11	PLATING	4	20646	20647	54.70	54.70	49.70	49.70	49.70	49.70	49.70	43.70
TIN COAT / SP PT	7	6H	3	55005		63.70	63.70	59.50	59.50	59.50	59.50	59.50	55.60
TIN COAT / HAND TAP	7	6H	4	55006		58.10	58.10	54.10	54.10	54.10	54.10	54.10	50.20
R.H. ROUND DIE 50.8mm OD				13592		90.60	80.10	75.60	72.90	72.90	72.90	66.40	66.00
L.H. ROUND DIE 50.8mm OD				13593		90.60	80.10	75.60	72.90	72.90	72.90	66.40	66.00
GAGE - Taperlock Style		6H		25123		131.90							
GAGE - Ring-Go		6g		25320		200.80							
GAGE - Ring-NoGo		6g		25321		200.80							
GAGE - L.H. Taperlock Style		6H		21500		180.40							
GAGE - L.H. Taperlock Style		4H		21501		180.40							
GAGE - L.H. Ring-Go		4g		21502		231.00							
GAGE - L.H. Ring-NoGo		4g		21503		231.00							
GAGE - L.H. Ring-Go		6g		21504		231.00							
GAGE - L.H. Ring-NoGo		6g		21505		231.00							

M20 x 1.5					<i>Recommended Hole Size Based on 75% Thread = 18.5mm</i>								
HAND TAP	6	6H	4	20656	20657	47.20	47.20	42.90	42.90	42.90	42.90	42.90	39.20
HAND TAP	3	4H	4	20651	20652	89.70	58.10	46.10	46.10	46.10	46.10	46.10	39.20
L.H. HAND TAP	6	6H	4	20661	20662	57.60	57.60	52.50	52.50	52.50	52.50	52.50	45.40
+ .127mm HAND TAP	11	PLATING	4	20666	20667	54.70	54.70	49.70	49.70	49.70	49.70	49.70	43.70
R.H. ROUND DIE 50.8mm OD				13594		90.60	80.10	75.60	72.90	72.90	72.90	66.40	66.00
L.H. ROUND DIE 50.8mm OD				13595		90.60	80.10	75.60	72.90	72.90	72.90	66.40	66.00
GAGE - Taperlock Style		6H		25128		131.90							
GAGE - Ring-Go		6g		25325		200.80							
GAGE - Ring-NoGo		6g		25326		200.80							
GAGE - L.H. Taperlock Style		6H		21506		198.40							

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BACK TO INDEX

SIZE / DESCRIPTION	D#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
M20 x 1.5				<i>See Previous Page for Recommended Hole Size</i>									
GAGE - L.H. Taperlock Style		4H		21507		180.40							
GAGE - L.H. Ring-Go		4g		21508		229.90							
GAGE - L.H. Ring-NoGo		4g		21509		229.90							
GAGE - L.H. Ring-Go		6g		21510		229.90							
GAGE - L.H. Ring-NoGo		6g		21511		229.90							
M20 x 1.0				<i>Recommended Hole Size Based on 75% Thread = 19mm</i>									
HAND TAP	6	6H	4	21048	21049	136.50	100.10	79.50	63.50	56.00	48.60	46.10	39.20
GAGE - Taperlock Style		6H		21512		132.00							
GAGE - Ring-Go		6g		21513		212.30							
GAGE - Ring-NoGo		6g		21514		212.30							
GAGE - L.H. Taperlock Style		6H		21515		195.80							
GAGE - L.H. Taperlock Style		4H		21516		195.80							
GAGE - L.H. Ring-Go		4g		21517		254.10							
GAGE - L.H. Ring-NoGo		4g		21518		254.10							
GAGE - L.H. Ring-Go		6g		21519		254.10							
GAGE - L.H. Ring-NoGo		6g		21520		254.10							
M22 x 2.5				<i>Recommended Hole Size Based on 75% Thread = 19.5mm</i>									
HAND TAP	7	6H	4	20676	20677	60.60	60.60	49.10	49.10	49.10	49.10	49.10	42.00
HAND TAP	4	4H	4	20671	20672	101.50	67.70	49.10	49.10	49.10	49.10	49.10	42.00
L.H. HAND TAP	7	6H	4	20681	20682	63.70	63.70	58.10	58.10	58.10	58.10	58.10	51.20
R.H. ROUND DIE 50.8mm OD				13598		90.60	80.10	75.60	72.90	72.90	72.90	66.40	66.00
GAGE - Taperlock Style		6H		25133		131.90							
GAGE - Ring-Go		6g		25330		206.70							
GAGE - Ring-NoGo		6g		25331		206.70							
GAGE - L.H. Taperlock Style		6H		21521		181.50							
GAGE - L.H. Taperlock Style		4H		21522		181.50							
GAGE - L.H. Ring-Go		4g		21523		229.90							
GAGE - L.H. Ring-NoGo		4g		21524		229.90							
GAGE - L.H. Ring-Go		6g		21525		229.90							
GAGE - L.H. Ring-NoGo		6g		21526		229.90							
M22 x 1.5				<i>Recommended Hole Size Based on 75% Thread = 20.5mm</i>									
HAND TAP	6	6H	4	20691	20692	60.60	60.60	49.10	49.10	49.10	49.10	49.10	42.00
HAND TAP	3	4H	4	20686	20687	101.50	67.70	49.10	49.10	49.10	49.10	49.10	42.00
L.H. HAND TAP	6	6H	4	20696	20697	63.70	63.70	58.10	58.10	58.10	58.10	58.10	51.20
+ .127mm HAND TAP	11	PLATING	4	20701	20702	61.20	61.20	55.60	55.60	55.60	55.60	55.60	48.60
R.H. ROUND DIE 50.8mm OD				13600		90.60	80.10	75.60	72.90	72.90	72.90	66.40	66.00
GAGE - Taperlock Style		6H		25138		131.90							
GAGE - Ring-Go		6g		25335		206.70							
GAGE - Ring-NoGo		6g		25336		206.70							
GAGE - L.H. Taperlock Style		6H		21527		181.50							
GAGE - L.H. Taperlock Style		4H		21528		181.50							
GAGE - L.H. Ring-Go		4g		21529		229.90							
GAGE - L.H. Ring-NoGo		4g		21530		229.90							
GAGE - L.H. Ring-Go		6g		21531		229.90							
GAGE - L.H. Ring-NoGo		6g		21532		229.90							
M24 x 3.0				<i>Recommended Hole Size Based on 75% Thread = 21mm</i>									
HAND TAP	8	6H	4	20711	20712	66.30	66.30	60.30	60.30	60.30	60.30	60.30	55.10
SPIRAL POINT	8	6H	3	21029		72.50	72.50	66.60	66.60	66.60	66.60	66.60	61.30
HAND TAP	4	4H	4	20706	20707	104.00	69.00	53.10	53.10	53.10	53.10	53.10	47.70
L.H. HAND TAP	8	6H	4	20716	20717	81.00	81.00	72.80	72.80	72.80	72.80	72.80	67.10
+ .127mm HAND TAP	11	PLATING	4	20721	20722	61.10	61.10	55.90	55.90	55.90	55.90	55.90	50.30
TIN COAT / HAND TAP	8	6H	4	55007		82.30	82.30	76.30	76.30	76.30	76.30	76.30	71.10
R.H. ROUND DIE 50.8mm OD				13604		90.60	80.10	75.60	72.90	72.90	72.90	66.40	66.00
L.H. ROUND DIE 50.8mm OD				13605		90.60	80.10	75.60	72.90	72.90	72.90	66.40	66.00
GAGE - Taperlock Style		6H		25143		149.60							

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BACK TO INDEX

SIZE / DESCRIPTION	D#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
M24 x 3.0					<i>See Previous Page for Recommended Hole Size</i>								
GAGE - Ring-Go		6g		25340		250.60							
GAGE - Ring-NoGo		6g		25341		250.60							
GAGE - L.H. Taperlock Style		6H		21533		196.90							
GAGE - L.H. Taperlock Style		4H		21534		196.90							
GAGE - L.H. Ring-Go		4g		21535		224.40							
GAGE - L.H. Ring-NoGo		4g		21536		224.40							
GAGE - L.H. Ring-Go		6g		21537		224.40							
GAGE - L.H. Ring-NoGo		6g		21538		224.40							
M24 x 2.0					<i>Recommended Hole Size Based on 75% Thread = 22mm</i>								
HAND TAP	7	6H	4	20731	20732	66.30	66.30	60.30	60.30	60.30	60.30	60.30	55.10
HAND TAP	4	4H	4	20726	20727	104.00	69.00	53.10	53.10	53.10	53.10	53.10	47.70
L.H. HAND TAP	7	6H	4	20736	20737	81.00	81.00	72.80	72.80	72.80	72.80	72.80	67.10
R.H. ROUND DIE 50.8mm OD				13606		90.60	80.10	75.60	72.90	72.90	72.90	66.40	66.00
L.H. ROUND DIE 50.8mm OD				13607		90.60	80.10	75.60	72.90	72.90	72.90	66.40	66.00
GAGE - Taperlock Style		6H		25148		149.60							
GAGE - Ring-Go		6g		25345		250.60							
GAGE - Ring-NoGo		6g		25346		250.60							
GAGE - L.H. Taperlock Style		6H		21539		181.50							
GAGE - L.H. Taperlock Style		4H		21540		181.50							
GAGE - L.H. Ring-Go		4g		21541		229.90							
GAGE - L.H. Ring-NoGo		4g		21542		229.90							
GAGE - L.H. Ring-Go		6g		21543		229.90							
GAGE - L.H. Ring-NoGo		6g		21544		229.90							
M24 x 1.5					<i>Recommended Hole Size Based on 75% Thread = 22.5mm</i>								
HAND TAP	6	6H	4	20917	20918	66.30	66.30	60.30	60.30	60.30	60.30	60.30	55.10
GAGE - Taperlock Style		6H		21545		181.50							
GAGE - Ring-Go		6g		21546		232.10							
GAGE - Ring-NoGo		6g		21547		232.10							
M25 x 1.5					<i>Recommended Hole Size Based on 75% Thread = 23.5mm</i>								
HAND TAP	6	6H	4	21031	21032	109.80	100.20	93.40	85.70	85.70	78.20	78.20	75.40
GAGE - Taperlock Style		6H		21548		157.30							
GAGE - Ring-Go		6g		21549		254.10							
GAGE - Ring-NoGo		6g		21550		254.10							
GAGE - L.H. Taperlock Style		6H		21551		181.50							
GAGE - L.H. Taperlock Style		4H		21552		181.50							
GAGE - L.H. Ring-Go		4g		21553		229.90							
GAGE - L.H. Ring-NoGo		4g		21554		229.90							
GAGE - L.H. Ring-Go		6g		21555		229.90							
GAGE - L.H. Ring-NoGo		6g		21556		229.90							
M26 x 1.5					<i>Recommended Hole Size Based on 75% Thread = 24.5mm</i>								
HAND TAP	6	6H	6	20981	20982	144.70	119.10	114.60	94.30	79.80	72.40	66.80	59.40
GAGE - Taperlock Style		6H		21557		193.60							
GAGE - Ring-Go		6g		21558		260.70							
GAGE - Ring-NoGo		6g		21559		260.70							
GAGE - L.H. Taperlock Style		6H		21560		196.90							
GAGE - L.H. Taperlock Style		4H		21561		196.90							
GAGE - L.H. Ring-Go		4g		21562		229.90							
GAGE - L.H. Ring-NoGo		4g		21563		229.90							
GAGE - L.H. Ring-Go		6g		21564		229.90							
GAGE - L.H. Ring-NoGo		6g		21565		229.90							
M27 x 3.0					<i>Recommended Hole Size Based on 75% Thread = 24mm</i>								
HAND TAP	8	6H	4	20746	20747	100.00	100.00	81.00	81.00	81.00	81.00	81.00	71.30
HAND TAP	5	4H	4	20741	20742	100.00	100.00	81.00	81.00	81.00	81.00	81.00	71.30
L.H. HAND TAP	8	6H	4	20751	20752	100.00	100.00	81.00	81.00	81.00	81.00	81.00	71.30

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METRIC POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	D#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
M27 x 3.0				<i>See Previous Page for Recommended Hole Size</i>									
R.H. ROUND DIE 63.5mm OD				13614		129.50	110.10	107.60	105.30	105.30	105.30	96.40	95.70
GAGE - Taperlock Style		6H		25158		184.80							
GAGE - Ring-Go		6g		25350		262.50							
GAGE - Ring-NoGo		6g		25351		262.50							
GAGE - L.H. Taperlock Style		6H		21566		196.90							
GAGE - L.H. Taperlock Style		4H		21567		196.90							
GAGE - L.H. Ring-Go		4g		21568		229.90							
GAGE - L.H. Ring-NoGo		4g		21569		229.90							
GAGE - L.H. Ring-Go		6g		21570		229.90							
GAGE - L.H. Ring-NoGo		6g		21571		229.90							
M27 x 2.0				<i>Recommended Hole Size Based on 75% Thread = 25mm</i>									
HAND TAP	7	6H	4	20761	20762	100.00	100.00	81.00	81.00	81.00	81.00	81.00	71.30
HAND TAP	5	4H	4	20756	20757	100.00	100.00	81.00	81.00	81.00	81.00	81.00	71.30
R.H. ROUND DIE 63.5mm OD				13616		129.50	110.10	107.60	105.30	105.30	105.30	96.40	95.70
GAGE - Taperlock Style		6H		25163		184.80							
GAGE - Ring-Go		6g		25355		262.50							
GAGE - Ring-NoGo		6g		25356		262.50							
GAGE - L.H. Taperlock Style		6H		21572		196.90							
GAGE - L.H. Taperlock Style		4H		21573		196.90							
GAGE - L.H. Ring-Go		4g		21574		229.90							
GAGE - L.H. Ring-NoGo		4g		21575		229.90							
GAGE - L.H. Ring-Go		6g		21576		229.90							
GAGE - L.H. Ring-NoGo		6g		21577		229.90							
M27 x 1.5				<i>Recommended Hole Size Based on 75% Thread = 25.5mm</i>									
HAND TAP	6	6H	6	21057	21058	144.70	119.10	114.60	94.30	79.80	72.40	66.80	59.40
GAGE - Taperlock Style		6H		21578		193.60							
GAGE - Ring-Go		6g		21579		229.90							
GAGE - Ring-NoGo		6g		21580		229.90							
M30 x 3.5				<i>Recommended Hole Size Based on 75% Thread = 26.5mm</i>									
HAND TAP	9	6H	4	20776	20777	159.00	120.20	105.30	100.20	98.90	95.90	95.50	86.60
HAND TAP	5	4H	4	20771	20772	159.00	120.20	105.30	100.20	98.90	95.90	95.50	86.60
L.H. HAND TAP	9	6H	4	20781	20782	159.00	120.20	105.30	100.20	98.90	95.90	95.50	86.60
R.H. ROUND DIE 63.5mm OD				13624		129.50	110.10	107.60	105.30	105.30	105.30	96.40	95.70
L.H. ROUND DIE 63.5mm OD				13625		129.50	110.10	107.60	105.30	105.30	105.30	96.40	95.70
GAGE - Taperlock Style		6H		25168		206.70							
GAGE - Ring-Go		6g		25360		284.40							
GAGE - Ring-NoGo		6g		25361		284.40							
GAGE - L.H. Taperlock Style		6H		21581		246.40							
GAGE - L.H. Taperlock Style		4H		21582		246.40							
GAGE - L.H. Ring-Go		4g		21583		314.60							
GAGE - L.H. Ring-NoGo		4g		21584		314.60							
GAGE - L.H. Ring-Go		6g		21585		314.60							
GAGE - L.H. Ring-NoGo		6g		21586		314.60							
M30 x 2.0				<i>Recommended Hole Size Based on 75% Thread = 28mm</i>									
HAND TAP	7	6H	4	20791	20792	159.00	120.20	105.30	100.20	98.90	95.90	95.50	86.60
HAND TAP	5	4H	4	20786	20787	159.00	120.20	105.30	100.20	98.90	95.90	95.50	86.60
R.H. ROUND DIE 63.5mm OD				13626		129.50	110.10	107.60	105.30	105.30	105.30	96.40	95.70
GAGE - Taperlock Style		6H		25173		206.70							
GAGE - Ring-Go		6g		25365		284.40							
GAGE - Ring-NoGo		6g		25366		284.40							
GAGE - L.H. Taperlock Style		6H		21587		198.00							
GAGE - L.H. Taperlock Style		4H		21588		198.00							
GAGE - L.H. Ring-Go		4g		21589		242.00							
GAGE - L.H. Ring-NoGo		4g		21590		242.00							
GAGE - L.H. Ring-Go		6g		21591		242.00							
GAGE - L.H. Ring-NoGo		6g		21592		242.00							

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METRIC POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	D#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
M30 x 1.5					<i>Recommended Hole Size Based on 75% Thread = 28.5mm</i>								
HAND TAP	6	6H	6	20898	20899	161.40	156.60	133.40	121.00	105.70	90.40	82.90	77.30
GAGE - Taperlock Style		6H		21593		195.80							
GAGE - Ring-Go		6g		21594		254.10							
GAGE - Ring-NoGo		6g		21595		254.10							
GAGE - L.H. Taperlock Style		6H		21596		198.00							
GAGE - L.H. Taperlock Style		4H		21597		198.00							
GAGE - L.H. Ring-Go		4g		21598		242.00							
GAGE - L.H. Ring-NoGo		4g		21599		242.00							
GAGE - L.H. Ring-Go		6g		21600		242.00							
GAGE - L.H. Ring-NoGo		6g		21601		242.00							
M32 x 2.0					<i>Recommended Hole Size Based on 75% Thread = 30mm</i>								
HAND TAP	7	6H	6	21199	21200	168.20	126.90	111.00	106.00	106.00	101.50	101.50	91.40
GAGE - Taperlock Style		6H		21602		232.10							
GAGE - Ring-Go		6g		21603		278.30							
GAGE - Ring-NoGo		6g		21604		278.30							
GAGE - L.H. Taperlock Style		6H		21605		207.90							
GAGE - L.H. Taperlock Style		4H		21606		207.90							
GAGE - L.H. Ring-Go		4g		21607		254.10							
GAGE - L.H. Ring-NoGo		4g		21608		254.10							
GAGE - L.H. Ring-Go		6g		21609		254.10							
GAGE - L.H. Ring-NoGo		6g		21610		254.10							
M32 x 1.5					<i>Recommended Hole Size Based on 75% Thread = 30.5mm</i>								
HAND TAP	6	6H	6	21060	21061	168.20	163.20	141.70	128.40	113.60	99.00	89.10	83.40
GAGE - Taperlock Style		6H		21611		232.10							
GAGE - Ring-Go		6g		21612		278.30							
GAGE - Ring-NoGo		6g		21613		278.30							
GAGE - L.H. Taperlock Style		6H		21614		207.90							
GAGE - L.H. Taperlock Style		4H		21615		207.90							
GAGE - L.H. Ring-Go		4g		21616		254.10							
GAGE - L.H. Ring-NoGo		4g		21617		254.10							
GAGE - L.H. Ring-Go		6g		21618		254.10							
GAGE - L.H. Ring-NoGo		6g		21619		254.10							
M33 x 3.5					<i>Recommended Hole Size Based on 75% Thread = 29.5mm</i>								
HAND TAP	9	6H	4	20806	20807	174.10	169.40	149.80	125.30	121.30	113.90	111.70	102.40
HAND TAP	5	4H	4	20801	20802	174.10	169.40	149.80	125.30	121.30	113.90	111.70	102.40
GAGE - Taperlock Style		6H		25178		221.40							
GAGE - Ring-Go		6g		25370		294.70							
GAGE - Ring-NoGo		6g		25371		294.70							
GAGE - L.H. Taperlock Style		6H		21620		256.30							
GAGE - L.H. Taperlock Style		4H		21621		256.30							
GAGE - L.H. Ring-Go		4g		21622		314.60							
GAGE - L.H. Ring-NoGo		4g		21623		314.60							
GAGE - L.H. Ring-Go		6g		21624		314.60							
GAGE - L.H. Ring-NoGo		6g		21625		314.60							
M33 x 2.0					<i>Recommended Hole Size Based on 75% Thread = 31mm</i>								
HAND TAP	7	6H	4	20821	20822	174.10	169.40	149.80	125.30	121.30	113.90	111.70	102.40
HAND TAP	5	4H	4	20816	20817	174.10	169.40	149.80	125.30	121.30	113.90	111.70	102.40
R.H. ROUND DIE 63.5mm OD				13634		129.50	110.10	107.60	105.30	105.30	105.30	96.40	95.70
GAGE - Taperlock Style		6H		25183		221.40							
GAGE - Ring-Go		6g		25375		294.70							
GAGE - Ring-NoGo		6g		25376		294.70							
GAGE - L.H. Taperlock Style		6H		21626		207.90							
GAGE - L.H. Taperlock Style		4H		21627		207.90							
GAGE - L.H. Ring-Go		4g		21628		254.10							
GAGE - L.H. Ring-NoGo		4g		21629		254.10							
GAGE - L.H. Ring-Go		6g		21630		254.10							
GAGE - L.H. Ring-NoGo		6g		21631		254.10							

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METRIC POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	D#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
M35 x 1.5					<i>Recommended Hole Size Based on 75% Thread = 33.5mm</i>								
HAND TAP	6	6H	6	20957	20958	174.10	169.40	149.80	125.30	121.30	107.50	98.50	98.00
GAGE - Taperlock Style		6H		21632		207.90							
GAGE - Ring-Go		6g		21633		297.00							
GAGE - Ring-NoGo		6g		21634		297.00							
GAGE - L.H. Taperlock Style		6H		21635		220.00							
GAGE - L.H. Taperlock Style		4H		21636		220.00							
GAGE - L.H. Ring-Go		4g		21637		272.80							
GAGE - L.H. Ring-NoGo		4g		21638		272.80							
GAGE - L.H. Ring-Go		6g		21639		272.80							
GAGE - L.H. Ring-NoGo		6g		21640		272.80							
M36 x 4.0					<i>Recommended Hole Size Based on 75% Thread = 32mm</i>								
HAND TAP	9	6H	4	20836	20837	216.90	175.30	153.50	149.90	145.80	140.70	127.70	114.50
HAND TAP	5	4H	4	20831	20832	216.90	175.30	153.50	149.90	145.80	140.70	127.70	114.50
R.H. ROUND DIE 63.5mm OD				13638		129.50	110.10	107.60	105.30	105.30	105.30	96.40	95.70
GAGE - Taperlock Style		6H		25188		244.90							
GAGE - Ring-Go		6g		25380		328.40							
GAGE - Ring-NoGo		6g		25381		328.40							
GAGE - L.H. Taperlock Style		6H		21641		268.40							
GAGE - L.H. Taperlock Style		4H		21642		268.40							
GAGE - L.H. Ring-Go		4g		21643		314.60							
GAGE - L.H. Ring-NoGo		4g		21644		314.60							
GAGE - L.H. Ring-Go		6g		21645		314.60							
GAGE - L.H. Ring-NoGo		6g		21646		314.60							
M36 x 3.0					<i>Recommended Hole Size Based on 75% Thread = 33mm</i>								
HAND TAP	8	6H	4	20851	20852	216.90	175.30	153.50	149.90	145.80	140.70	127.70	114.50
HAND TAP	5	4H	4	20846	20847	216.90	175.30	153.50	149.90	145.80	140.70	127.70	114.50
R.H. ROUND DIE 63.5mm OD				13640		129.50	110.10	107.60	105.30	105.30	105.30	96.40	95.70
GAGE - Taperlock Style		6H		25193		244.90							
GAGE - Ring-Go		6g		25385		328.40							
GAGE - Ring-NoGo		6g		25386		328.40							
GAGE - L.H. Taperlock Style		6H		21647		220.00							
GAGE - L.H. Taperlock Style		4H		21648		220.00							
GAGE - L.H. Ring-Go		4g		21649		272.80							
GAGE - L.H. Ring-NoGo		4g		21650		272.80							
GAGE - L.H. Ring-Go		6g		21651		272.80							
GAGE - L.H. Ring-NoGo		6g		21652		272.80							
M36 x 2.0					<i>Recommended Hole Size Based on 75% Thread = 34mm</i>								
HAND TAP	7	6H	6	20921	20922	216.90	175.30	153.50	149.90	145.80	140.70	127.70	114.50
GAGE - Taperlock Style		6H		21653		220.00							
GAGE - Ring-Go		6g		21654		302.50							
GAGE - Ring-NoGo		6g		21655		302.50							
GAGE - L.H. Taperlock Style		6H		21656		220.00							
GAGE - L.H. Taperlock Style		4H		21657		220.00							
GAGE - L.H. Ring-Go		4g		21658		272.80							
GAGE - L.H. Ring-NoGo		4g		21659		272.80							
GAGE - L.H. Ring-Go		6g		21660		272.80							
GAGE - L.H. Ring-NoGo		6g		21661		272.80							
M36 x 1.5					<i>Recommended Hole Size Based on 75% Thread = 34.5mm</i>								
HAND TAP	6	6H	6	20961	20962	188.20	183.80	162.40	146.40	133.10	119.70	111.70	102.40
GAGE - Taperlock Style		6H		21662		220.00							
GAGE - Ring-Go		6g		21663		302.50							
GAGE - Ring-NoGo		6g		21664		302.50							

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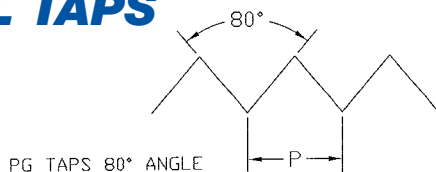


METRIC POPULAR SPECIAL: TAPS, DIES & GAGES

BACK TO INDEX

SIZE / DESCRIPTION	D#	CLASS OF FIT	# FLUTE	EDP PLUG	EDP BOTTOM	1	2	3	6	9	12	24	48
M39 x 4.0					<i>Recommended Hole Size Based on 75% Thread = 35mm</i>								
HAND TAP	9	6H	6	20866	20867	249.90	213.00	195.00	188.30	185.00	180.60	170.30	153.50
HAND TAP	6	4H	6	20861	20862	249.90	213.00	195.00	188.30	185.00	180.60	170.30	153.50
GAGE - Tri-Lock Style		6H		25198		259.60							
GAGE - Ring-Go		6g		25390		360.60							
GAGE - Ring-NoGo		6g		25391		360.60							
GAGE - L.H. Taperlock Style		6H		21665		283.80							
GAGE - L.H. Taperlock Style		4H		21666		283.80							
GAGE - L.H. Ring-Go		4g		21667		326.70							
GAGE - L.H. Ring-NoGo		4g		21668		326.70							
GAGE - L.H. Ring-Go		6g		21669		326.70							
GAGE - L.H. Ring-NoGo		6g		21670		326.70							
M39 x 3.0					<i>Recommended Hole Size Based on 75% Thread = 36mm</i>								
HAND TAP	8	6H	6	20881	20882	249.90	213.00	195.00	188.30	185.00	180.60	170.30	153.50
HAND TAP	6	4H	6	20876	20877	249.90	213.00	195.00	188.30	185.00	180.60	170.30	153.50
R.H. ROUND DIE 76.2mm OD				13648		177.30	170.30	165.80	105.30	105.30	105.30	96.40	95.70
GAGE - Tri-Lock Style		6H		25203		259.60							
GAGE - Ring-Go		6g		25395		360.60							
GAGE - Ring-NoGo		6g		25396		360.60							
GAGE - L.H. Taperlock Style		6H		21671		249.70							
GAGE - L.H. Taperlock Style		4H		21672		249.70							
GAGE - L.H. Ring-Go		4g		21673		284.90							
GAGE - L.H. Ring-NoGo		4g		21674		284.90							
GAGE - L.H. Ring-Go		6g		21675		284.90							
GAGE - L.H. Ring-NoGo		6g		21676		284.90							
M40 x 1.5					<i>Recommended Hole Size Based on 75% Thread = 38.5mm</i>								
HAND TAP	6	6H	6	20972	20973	245.90	204.40	183.40	168.60	156.30	152.50	148.80	133.50
M42 x 4.5					<i>Recommended Hole Size Based on 75% Thread = 37.5mm</i>								
HAND TAP	10	6H	6	20965	20966	308.10	284.40	255.00	246.10	237.40	220.40	200.90	187.40
M42 x 1.5					<i>Recommended Hole Size Based on 75% Thread = 40.5mm</i>								
HAND TAP	6	6H	6	21063	21064	250.10	208.70	187.70	173.00	160.50	156.80	153.20	137.90

PRICING TABLES: SPECIAL TAPS



CONDUIT THREAD TAPS
Per DIN STD. #40430 • 80° Included Angle
'PG' Series To Tables 302/303

TYPE	SIZE	# of Flutes	EDP# Plug	EDP# Bottom	LIST PRICE IN QUANTITIES OF						
					1	2	3	6	9	12	24
PG 7	M12.5 x 1.27	4	20992	20993	207.20	153.70	109.90	76.40	58.10	47.10	39.90
PG 9	M15.2 x 1.41	4	20995	20996	221.60	165.60	121.50	91.70	77.00	62.20	54.60
PG 11	M18.6 x 1.41	4	20998	20999	236.50	183.30	139.00	109.40	91.70	76.40	66.90
PG 13.5	M20.4 x 1.41	4	21001	21002	251.30	192.20	150.70	121.20	100.40	82.40	76.40
PG 16	M22.5 x 1.41	4	21004	21005	263.10	204.00	162.70	133.00	110.80	94.80	88.50
PG 21	M28.3 x 1.588	6	21007	21008	291.00	226.40	185.00	155.50	133.00	115.00	106.70
PG 29	M37 x 1.588	6	21010	21011	375.30	304.30	261.60	228.40	208.50	188.80	173.50
PG 36	M47 x 1.588	6	21013	21014	487.50	440.20	383.90	339.80	316.20	292.60	262.10
PG 42	M54 x 1.588	6	21016	21017	614.70	572.50	492.80	452.70	427.30	401.70	365.90
PG 48	M59.3 x 1.588	6	21019	21020	691.40	662.00	587.40	545.50	523.60	502.00	454.90

Refer to page 122 for tap dimensions.



H.S.S. SPECIAL SPIRAL FLUTE TAPS

PLUG & BOTTOM STYLE - INCLUDING METRIC SIZES TO TABLE 302

These taps are available in a variety of helix angles from 'low' through 'medium' to 'high' spiral. • For L.H. low spiral, add 10%

SIZE INCHES	MAX. TPI	SIZE MM	MIN. PITCH MM	LIST PRICE IN QUANTITIES OF									LH 52° SPFL ADD
				1	2	3-5	6-8	9-11	12-23	24-47	48-71	72-95	
#3	100	M2.3, M2.5 M2.6	0.3	136.20	100.60	71.10	47.50	38.70	29.70	25.70	23.40	21.50	6.60
#4	100	-----	-----	130.30	94.80	65.30	43.40	33.90	26.30	21.80	19.80	19.00	6.60
#5	100	M3	0.3	130.30	94.80	65.30	43.40	33.90	26.30	21.80	19.80	19.00	6.60
#6	100	M3.5	0.3	128.10	92.70	63.10	40.20	31.20	24.10	19.80	17.10	16.50	7.30
#8	100	M4	0.3	128.10	92.70	63.10	40.20	31.20	24.10	19.80	17.10	16.50	7.30
#10	100	M4.5, M5	0.3	128.10	92.70	63.10	40.20	31.20	24.10	19.80	17.10	16.50	7.30
#12	100	M5.5	0.3	131.90	96.20	66.50	43.10	32.90	25.30	21.50	18.70	17.20	7.30
#14	80	M6	0.3	132.20	96.50	67.00	43.40	33.30	25.70	21.50	19.10	17.60	7.30
1/4	80	M6	0.3	132.20	96.50	67.00	43.40	33.30	25.70	21.50	19.10	17.60	7.30
5/16	80	M7, M8	0.3	133.30	98.40	67.90	45.50	35.00	27.30	22.30	19.80	18.20	7.30
3/8	80	M9, M10	0.3	138.10	102.50	73.00	49.30	38.50	29.70	25.70	21.80	20.80	7.30
7/16	80	M11	0.3	141.90	107.60	77.00	53.20	43.30	33.60	29.70	25.70	23.80	7.30
1/2	80	M12	0.3	145.80	111.70	80.80	59.40	48.40	38.50	33.50	29.70	27.80	8.20
9/16	64	M14	0.4	155.80	118.40	86.80	63.10	52.30	41.80	37.30	33.40	31.60	9.00
5/8	64	M16	0.4	161.60	125.00	94.80	71.10	60.20	49.30	43.40	40.10	37.60	9.00
11/16	64	M18	0.4	169.40	131.60	100.10	78.80	67.00	55.40	49.30	45.50	43.40	9.70
3/4	64	-----	0.4	175.40	140.00	116.30	86.70	74.00	61.20	56.90	53.40	49.30	9.70
13/16	64	M20	-----	187.90	150.60	124.00	98.40	85.10	71.90	66.90	63.00	58.50	14.60
7/8	64	M22	0.4	197.20	157.60	128.10	106.70	92.70	78.90	73.00	69.00	64.00	14.60
15/16	64	M24	-----	211.60	172.10	141.60	121.00	106.70	90.60	86.50	82.40	76.70	14.60
1"	64	M25	-----	220.80	179.70	149.90	133.90	115.10	99.90	94.30	90.70	84.10	14.60

Refer to page 122 for tap dimensions.

H.S.S. SPECIAL HAND TAPS

RIGHT AND LEFT HAND INCLUDING METRIC SIZES TO TABLE 302

MAX. SIZE	MACH. SCREW AND FRACT.		METRIC		LIST PRICE IN QUANTITIES OF									SP. PT. ADD
	SIZE	MAX. TPI	SIZE MM	MIN. PITCH MM	1	2	3-5	6-8	9-11	12-23	24-47	48-71	72-95	
.065	0	100	M1.5, M1.6	0.3	136.20	100.60	71.20	49.30	36.70	30.70	25.00	22.70	20.50	2.20
.078	1	100	M1.8	0.3	135.80	100.10	70.80	48.90	36.50	30.20	24.70	22.20	19.80	1.90
.091	2	100	M2, M2.2	0.3	133.90	98.60	69.10	47.50	36.50	28.60	22.80	20.80	19.00	1.90
.104	3	100	M2.3, M2.5 M2.6	0.3	128.10	92.70	64.80	42.70	31.90	24.80	20.50	18.10	15.90	1.50
.117	4	100	-----	---	123.00	88.90	60.40	38.50	28.10	21.70	18.20	15.80	12.40	1.50
.130	5	100	M3	0.3	123.00	88.90	60.40	38.50	28.10	21.70	18.20	15.80	12.40	1.50
.145	6	100	M3.5	0.3	120.20	86.00	58.00	35.40	25.00	19.40	16.40	13.90	11.70	1.30
.171	8	100	M4	0.3	120.20	86.00	58.00	35.40	25.00	19.40	16.40	13.90	11.70	1.30
.197	10	100	M4.5, M5	0.3	120.20	86.00	58.00	35.40	25.00	19.40	16.40	13.90	11.70	1.30
.223	12	100	M5.5	0.3	123.80	88.90	61.10	38.70	27.30	21.10	17.30	14.30	12.50	1.30
.260	14	80	M6	0.3	124.70	90.20	61.90	40.20	29.20	22.50	18.40	15.90	13.80	1.40
.260	1/4	80	M6	0.3	124.70	90.20	61.90	40.20	29.20	22.50	18.40	15.90	13.80	1.40
.323	5/16	80	M7, M8	0.3	126.10	91.60	62.90	41.50	31.60	23.50	18.50	16.40	14.10	1.50
.385	3/8	80	M9, M10	0.3	130.40	94.80	67.00	44.70	34.40	25.70	20.80	18.00	15.90	1.50
.448	7/16	80	M11	0.3	133.60	98.60	70.80	46.90	37.80	29.20	23.30	20.80	19.70	1.60
.510	1/2	80	M12	0.3	138.20	102.50	73.20	51.00	39.00	31.70	26.70	23.10	21.40	2.20
.573	9/16	64	M14	0.4	140.30	104.40	75.30	54.30	44.50	34.80	29.30	25.00	24.10	2.80
.635	5/8	64	M16	0.4	145.00	110.20	81.00	61.20	51.30	41.60	35.80	32.60	29.70	2.90
.709	11/16	64	M18	0.4	151.70	116.30	86.70	67.00	56.30	45.50	40.20	36.50	33.70	3.90
.760	3/4	64	-----	---	156.90	122.30	92.70	73.00	61.20	50.40	44.70	40.90	37.90	4.60
.823	13/16	64	M20	0.4	167.00	128.10	100.60	80.80	67.00	54.80	50.40	46.80	43.10	5.80
.885	7/8	64	M22	0.4	174.40	128.50	108.60	88.90	73.90	63.10	58.60	54.50	50.30	6.20
.948	15/16	64	M24	0.4	177.00	140.30	112.50	92.70	79.90	67.90	62.10	57.00	53.80	6.60
1.010	1"	64	M25	0.4	193.30	154.60	126.30	106.70	92.70	79.60	72.80	66.80	61.40	8.10

Refer to page 122 for tap dimensions.

H.S.S. SPECIAL HAND TAPS

RIGHT AND LEFT HAND INCLUDING METRIC SIZES TO TABLES 302-303

INCHES SIZE	METRIC MAX. TPI	METRIC SIZE MM	METRIC MIN. PITCH MM	Length Overall	Length of Full Thread	TAP DIMEN. TABLE	* NUMBER OF FLUTES	LIST PRICE IN QUANTITIES OF							
								1	2	3-5	6-8	9-11	12-23	24-47	48-71
1 1/16	13	M27	2	5 1/8	2 1/2	302	4-6	212.10	172.00	142.90	122.10	101.60	91.30	84.90	79.00
	55	M27	0.5	4	1 1/2	303	6-8-10	193.00	151.40	123.60	101.70	87.70	75.60	69.70	66.40
1 1/8	13	M28	2	5 7/16	2 9/16	302	4-6	216.10	175.90	147.00	126.30	105.80	95.10	89.00	83.10
	55	M28	0.5	4	1 1/2	303	6-8-10	194.40	152.60	124.70	102.90	89.00	77.00	71.10	67.80
1 3/16	13	M30	2	5 7/16	2 9/16	302	4-6	237.00	196.20	167.80	147.20	125.10	113.90	105.80	99.80
	55	M30	0.5	4	1 1/2	303	6-8-10	212.30	170.80	142.40	121.00	105.30	90.60	85.40	80.60
1 1/4	13	M32	2	5 3/4	2 9/16	302	4-6	240.90	200.10	171.80	151.20	129.30	118.10	109.60	103.60
	55	M32	0.5	4	1 1/2	303	6-8-10	215.10	173.40	144.70	122.70	107.50	93.40	87.70	82.40
1 5/16	13	M33	2	5 3/4	2 9/16	302	4-6	264.70	224.30	194.50	154.90	144.80	132.20	116.10	110.90
	55	M33	0.5	4	1 1/2	303	6-8-10	228.40	183.50	154.90	134.50	121.20	107.60	98.70	84.60
1 3/8	13	M35	2	6 1/16	3	302	4-6	268.10	227.60	197.30	162.50	147.60	133.80	118.00	112.70
	55	M35	0.5	4	1 1/2	303	6-8-10	230.60	186.20	157.30	136.30	122.60	109.40	100.00	87.30
1 7/16	13	M36	2	6 1/16	3	302	4-6	301.70	275.30	236.40	205.70	182.60	156.70	135.80	128.50
	55	M36	0.5	4	1 1/2	303	6-8-10	246.40	198.00	170.70	149.80	136.30	123.00	114.10	102.50
1 1/2	13	M38	2	6 3/8	3	302	4-6	304.60	279.30	238.10	214.70	185.30	157.90	137.30	130.30
	55	M38	0.5	4	1 1/2	303	6-8-10	250.30	202.00	172.50	151.40	138.00	124.70	115.40	108.80
1 5/8	9	M39	3	6 11/16	3 3/16	302	6	332.90	305.60	265.90	237.00	221.30	201.60	176.30	163.80
	55	M39	0.5	5	2	303	6-8-10	295.60	264.50	224.60	197.30	180.40	164.80	142.40	131.30
1 3/4	9	M42	3	7	3 3/16	302	6	372.50	323.90	284.40	254.30	238.90	223.80	201.60	187.50
	55	M42	0.5	5	2	303	6-8-10	311.50	280.90	240.70	212.10	196.50	180.40	161.10	139.40
1 7/8	9	M45	3	7 5/16	3 9/16	302	6	402.00	378.40	326.00	298.80	282.50	266.70	240.60	228.70
	55	M45	0.5	5	2	303	6-8-10	325.20	296.50	258.30	228.40	212.30	196.40	174.90	163.20
2"	9	M48	3	7 5/8	3 9/16	302	6	421.60	396.30	343.60	316.70	300.50	284.40	258.50	250.70
	47	M48	0.5	5	2	303	6-8-10	340.90	312.60	272.40	244.80	230.20	215.90	191.00	181.10
2 1/8	9	M54	3	8	3 9/16	302	6	461.10	433.00	380.20	350.30	335.10	319.90	294.00	286.30
	47	M54	0.5	5 1/4	2	303	6	409.90	382.40	329.40	301.90	285.70	267.70	244.00	234.70
2 1/4	9	M56	3	8 1/4	3 9/16	302	6	569.30	540.50	476.10	428.40	409.00	390.00	363.70	349.00
	47	M56	0.5	5 1/4	2	303	6	437.30	417.20	370.50	338.40	322.50	306.50	280.90	265.50
2 3/8	9	M60	3	8 1/2	4	302	6	596.90	570.70	504.30	458.20	436.20	413.90	385.80	375.30
	47	M60	0.5	5 1/4	2	303	6	461.10	441.40	391.60	363.70	349.20	334.80	303.30	286.30
2 1/2	9	M63	3	8 3/4	4	302	6	634.20	608.90	539.40	492.50	473.20	454.50	428.30	414.70
	47	M63	0.5	5 1/4	2	303	6	553.70	516.40	454.10	405.90	384.60	363.70	337.30	314.10
2 5/8	9	M64	3	8 3/4	4	302	6	673.70	653.90	585.00	538.90	518.90	499.20	473.00	**
	47	M64	0.5	5 1/2	2	303	6	577.30	545.90	477.90	430.00	413.90	398.00	368.00	**
2 3/4	9	M70	3	9 1/4	4	302	6	835.20	765.40	663.20	609.20	589.80	570.40	544.20	**
	47	M70	0.5	5 1/2	2	303	6	601.00	571.50	510.20	457.80	438.40	418.90	392.90	**
2 7/8	9	M72	3	9 1/4	4	302	6	868.80	812.20	700.90	649.90	627.40	607.00	580.70	**
	47	M72	0.5	5 1/2	2	303	6	624.50	601.00	533.50	487.10	467.90	448.50	422.80	**
3"	9	M76	3	9 3/4	4 9/16	302	6	922.10	864.20	752.20	**	**	**	**	**
	47	M76	0.5	5 1/2	2	303	8	659.90	636.50	570.50	**	**	**	**	**
3 1/8	9	M79	3	9 3/4	4 9/16	302	6	1046.90	970.10	951.80	**	**	**	**	**
	35	M79	0.7	5 3/4	2"	303	8	849.90	779.70	761.50	**	**	**	**	**
3 1/4	9	M82	3	10"	4 9/16	302	6	1087.00	1006.90	986.70	**	**	**	**	**
	35	M82	0.7	5 3/4	2"	303	6-8	895.10	820.00	799.90	**	**	**	**	**
3 1/2	9	M89	3	10 1/4	4 15/16	302	6	1285.60	1205.50	1185.50	**	**	**	**	**
	35	M89	0.7	5 3/4	2"	303	6-8	1036.90	961.90	943.40	**	**	**	**	**
3 5/8	9	M92	3	10 1/4	4 15/16	302	8	2188.30	2157.90	2135.00	**	**	**	**	**
	35	M92	0.7	6"	2"	303	8	1732.40	1702.10	1682.30	**	**	**	**	**
3 3/4	9	M95	3	10 1/2	5 5/16	302	10	2294.60	2267.30	2246.00	**	**	**	**	**
	35	M95	0.7	6"	2"	303	10	1762.90	1740.00	1729.40	**	**	**	**	**
3 7/8	9	M98	3	10 1/2	5 5/16	302	10	2370.70	2343.40	2337.20	**	**	**	**	**
	35	M98	0.7	6"	2"	303	10	1800.90	1782.50	1781.10	**	**	**	**	**
4"	9	M101	3	10 1/2	5 5/16	302	10	2408.60	2381.20	2378.10	**	**	**	**	**
	35	M101	0.7	6"	2"	303	10	1838.80	1816.00	**	**	**	**	**	**

† Refer to pages 122, 123, 125 for tap dimensions of Tables 302, 303.

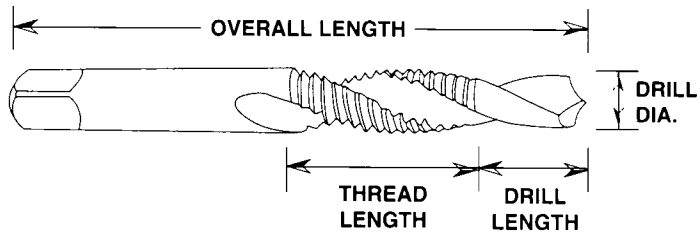
TABLE 302 = LONG SERIES BLANK

TABLE 303 = SHORT SERIES BLANK

* NOTE: 303 Blanks 1 1/16" through 4", number of flutes used will depend on TPI.

**Consult factory for pricing.

COST CUTTER™ Drill & Tap
ENGINEERING DATA AND DIMENSIONS



COST CUTTER

Combination Drill & Tap

INCH SIZES

SIZE	PITCH	LIMIT	EDP#	OVERALL LENGTH	THREAD LENGTH	DRILL LENGTH	DRILL DIAMETER	PRICE EACH
4	40 NC	GH-2	29000	1 7/8	3/8	1/4	.091	14.20
6	32 NC	GH-3	29004	2	7/16	5/16	.112	14.00
8	32 NC	GH-3	29006	2 1/8	1/2	3/8	.138	14.00
10	24 NC	GH-3	29008	2 3/8	5/8	13/32	.155	14.00
10	32 NF	GH-3	29009	2 3/8	5/8	13/32	.164	14.00
12	24 NC	GH-3	29010	2 3/8	21/32	15/32	.180	14.00
1/4	20 NC	GH-3	29012	2 1/2	25/32	17/32	.208	14.00
1/4	28 NF	GH-3	29013	2 1/2	25/32	17/32	.220	14.30
5/16	18 NC	GH-3	29014	2 23/32	15/16	11/16	.266	21.30
5/16	24 NF	GH-3	29015	2 23/32	15/16	11/16	.277	21.30
3/8	16 NC	GH-3	29016	2 15/16	1 1/8	13/16	.322	25.70
3/8	24 NF	GH-3	29017	2 15/16	1 1/8	13/16	.340	25.70
7/16	14NC	GH-3	29018	3 3/4	1 1/4	1	.377	30.80
7/16	20NF	GH-3	29019	3 3/4	1 1/4	1	.395	30.80
1/2	13NC	GH-3	29020	4 1/16	1 3/8	1 1/8	.435	34.80
1/2	20NF	GH-3	29022	4 1/16	1 3/8	1 1/8	.458	34.80
5/8	11 NC	GH-3	29036	5 1/16	1 3/4	1 1/2	.548	108.60

METRIC SIZES

SIZE	PITCH	LIMIT	EDP#	OVERALL LENGTH	THREAD LENGTH	DRILL LENGTH	DRILL DIAMETER	PRICE EACH
M3	.5	D3	29024	1 15/16	13/32	9/32	.102	14.60
M3.5	.6	D4	29025	2	7/16	5/16	.120	14.00
M4	.7	D4	29026	2 1/8	1/2	3/8	.134	14.00
M4.5	.75	D4	29027	2 3/8	5/8	13/32	.152	14.00
M5	.8	D4	29028	2 3/8	5/8	13/32	.172	14.00
M6	1	D5	29029	2 1/2	25/32	17/32	.203	14.00
M7	1	D5	29030	2 23/32	15/16	11/16	.242	21.30
M8	1.25	D5	29031	2 23/32	15/16	11/16	.274	21.30
M10	1.50	D6	29032	2 15/16	1 1/8	13/16	.344	25.70
M12	1.75	D6	29033	4 1/16	1 3/8	1 1/8	.414	34.80

PIPE SIZES (NPT/F)

SIZE	PITCH	EDP#	OVERALL LENGTH	THREAD LENGTH	DRILL LENGTH	DRILL DIAMETER	PRICE EACH
1/16	27	29040	2 13/16	11/16	11/16	.242	61.40
1/8	27	29041	2 7/8	3/4	3/4	.332	72.40
1/4	18	29042	3 5/16	1 1/16	7/8	.438	84.70
3/8	18	29043	3 1/2	1 1/16	15/16	.562	103.60
1/2	14	29044	4 3/8	1 3/8	1 1/4	.703	153.40
3/4	14	29045	4 9/16	1 3/8	1 5/16	.906	209.40
1	11 1/2	29046	5 3/8	1 3/4	1 5/8	1.141	308.50

NOTES

- For use on through-hole applications only.
- Drill point must break through part prior to threading.
- Stock Cost Cutters are designed to drill and tap 'through-holes' up to 2X the nominal diameter.
- Spindle speeds should be set at normal speed for tapping specific material being machined; as with any tapping operation, a reversing spindle is required.

- *Significantly increases part throughput in production runs.*
- *Drill designed with a split point, which eliminates a center-drilling/punching operation.*
- *Available as popular specials in inch, metric and pipe sizes; blueprint specials to exact specifications also available.*

TRU-FLO® THREAD FORMING TAPS
TO TABLE 302-A

SIZE	SIZE MM	LIST PRICE IN QUANTITIES OF								MULTI LEAD
		1	2	3-5	6-8	9-11	12-23	24-47	48-71	
#0	M1.5, M1.6	159.40	118.80	85.10	59.30	46.60	36.80	31.60	27.40	13.40
#1	M1.8	158.30	117.90	84.10	59.30	44.70	35.40	30.10	25.90	13.40
#2	M2, M2.2	157.30	116.80	83.00	56.50	43.70	34.50	29.20	25.00	13.40
#3	M2.3, M2.5, M2.6	149.80	110.30	75.60	50.10	38.50	29.90	24.80	21.70	13.40
#4	-----	144.30	104.20	71.20	45.10	34.60	26.70	21.50	16.80	11.70
#5	M3	144.30	104.20	71.20	45.10	34.60	26.70	21.50	16.80	11.70
#6	M3.5	140.70	100.80	68.10	43.10	31.70	24.50	19.30	14.80	10.20
#8	M4	140.70	100.80	68.10	43.10	31.70	24.50	19.30	14.80	10.20
#10	M4.5, M5	140.70	100.80	68.10	43.10	31.70	24.50	19.30	14.80	10.20
#12	M5.5	145.60	105.90	72.00	46.40	33.30	25.70	21.50	16.80	10.20
1/4	M6	146.50	106.70	72.80	47.50	35.70	27.00	21.80	16.80	10.20
5/16	M7, M8	147.30	107.50	74.10	48.70	36.50	27.80	22.60	19.70	10.20
3/8	M9, M10	152.80	112.60	78.80	52.60	39.20	30.30	25.20	21.10	11.70
7/16	M11	157.60	117.00	83.20	56.80	43.60	34.60	29.30	23.80	12.60
1/2	M12	162.00	120.90	86.80	61.30	48.60	38.70	32.10	27.80	14.30
9/16	M14	165.20	124.00	90.10	65.40	52.30	41.80	35.40	31.50	15.20
5/8	M16	171.80	130.30	97.30	72.20	58.60	48.70	42.10	38.50	15.20
11/16	M18	177.70	136.10	101.70	79.50	64.00	53.50	47.20	42.70	16.20
3/4	-----	184.10	143.20	110.20	86.70	70.80	59.60	53.00	48.90	16.80
13/16	M20	196.30	151.20	118.70	95.50	78.10	65.50	59.30	55.20	18.50
7/8	M22	204.60	160.20	128.40	104.90	87.40	74.40	68.70	64.10	19.30
15/16	M24	208.50	164.70	132.70	109.50	91.30	79.50	70.70	66.50	20.10
1"	M25	226.00	180.30	147.60	125.00	107.00	93.10	85.20	79.90	21.70

Refer to page 124 for tap dimensions.

Multiple leads, special chamfer, and spiral lobes are available.

"TRU-FLO" Thread Forming Taps are available in SOLID CARBIDE. Call for pricing.

COOLANT-THROUGH TAPS
TO TABLE 302-A



SIZE	METRIC	MAX THD.	LIST PRICE IN QUANTITIES OF							
			1	2	3-5	6-8	9-11	12-23	24-47	48-71
1/4	M6	80	136.30	103.10	75.40	54.40	43.60	36.80	32.10	27.70
5/16	M8	80	137.80	103.80	76.50	55.20	44.90	37.10	32.30	27.70
3/8	M10	80	138.80	134.60	77.20	55.50	45.50	37.10	32.50	29.50
		80	138.80	134.60	77.20	55.50	45.50	37.10	32.50	29.50
7/16	M11	80	142.50	108.70	81.60	58.60	49.80	41.50	35.70	33.30
1/2	M12	80	148.00	113.20	84.90	63.20	51.40	44.60	39.90	36.10
9/16	M14	64	152.90	118.00	89.60	69.10	58.50	50.20	44.90	41.60
5/8	M16	64	157.60	122.50	94.20	74.80	65.40	55.90	50.20	47.10
3/4		64	169.90	136.20	107.40	88.50	76.90	66.50	60.80	57.20
7/8	M22	64	279.30	211.50	172.30	156.50	137.20	121.00	110.90	103.30
1"	M25	64	290.30	223.70	185.00	170.10	137.80	122.10	112.80	106.30

Refer to page 124 for tap dimensions.

H.S.S. SPECIAL PIPE TAPS - NPS, NPT & BSPP, BSPT
RIGHT AND LEFT HAND • FULL OR INTERRUPTED THREAD *TO TABLE 311*

BRITISH STRAIGHT PIPE (BSP)

Also referred to as British Gas, British Pipe Parallel or Parallel Fastening Thread. Various Symbols: BSP, BSPP, BSPP1, BSPPF, BSPG, PS, R,G, R_p

BRITISH TAPER PIPE (BSPT)

Also referred to as British Standard Taper Pipe, or Pipe Taper, or Conical Thread. Various Symbols: BSPT, BSPT_r, PT, KR, Rc.

NPS NPT PIPE	BSPP BSPT PIPE	EQUIV. HAND TAP SIZE	MIN. PROJ.	# OF FLUTES	FULL OR NPT INT. THD.	LIST PRICE IN QUANTITIES OF						
						1	2	3-5	6-8	9-11	12-23	24-47
1/16-27	1/16-28	5/16	.060	4	NPS FULL THD	130.90	96.20	66.90	44.00	32.90	25.10	20.60
					NPT FULL THD	132.80	98.30	68.80	45.90	34.80	27.00	22.50
					NPT INT THD	137.30	102.80	73.40	50.40	39.30	31.60	27.00
1/8-27	1/8-28	7/16	.060	4	NPS FULL THD	134.00	99.40	70.00	47.20	37.00	28.20	24.00
					NPT FULL THD	136.30	101.70	72.40	49.30	39.20	30.60	26.30
					NPT INT THD	141.50	106.90	77.50	54.50	44.40	35.70	31.20
1/4-18	1/4-19	9/16	.120	4	NPS FULL THD	140.70	106.00	77.00	54.70	45.00	35.00	30.40
					NPT FULL THD	144.10	109.40	80.60	58.20	48.60	38.70	33.90
					NPT INT THD	151.60	116.90	88.00	65.70	56.00	46.00	41.50
3/8-18	3/8-19	11/16	.140	4	NPS FULL THD	149.80	113.80	85.10	64.90	54.20	43.50	38.70
					NPT FULL THD	153.40	117.70	88.90	68.70	57.90	47.50	42.40
					NPT INT THD	161.40	125.40	96.80	76.60	65.70	55.30	50.30
1/2-14	1/2-14	7/8	.260	4	NPS FULL THD	171.20	133.90	107.40	86.30	76.70	67.30	56.00
					NPT FULL THD	175.30	138.20	111.60	90.20	80.80	71.50	60.20
					NPT INT THD	185.10	147.80	121.20	100.00	90.50	81.00	69.70
3/4-14	3/4-14	1 1/16	.245	5	NPS FULL THD	185.50	147.10	119.50	99.80	86.80	73.60	68.10
					NPT FULL THD	190.90	152.50	124.80	105.00	92.30	78.90	73.60
					NPT INT THD	202.70	164.20	136.40	116.80	104.10	90.60	85.20
1"-11 1/2	1"-11	1 5/16	.310	5	NPS FULL THD	223.10	179.50	151.80	131.90	124.50	107.00	98.40
					NPT FULL THD	229.80	186.20	158.90	138.60	131.30	113.80	105.20
					NPT INT THD	246.70	203.00	175.70	155.50	148.00	130.50	121.90
1 1/4-11 1/2	1 1/4-11	1 11/16	.370	5	NPS FULL THD	286.50	260.20	222.10	194.60	180.10	164.10	142.40
					NPT FULL THD	295.80	269.50	231.30	203.80	189.40	173.10	151.50
					NPT INT THD	319.20	292.90	254.60	227.20	212.80	196.40	175.10
1 1/2-11 1/2	1 1/2-11	2"	.380	7	NPS FULL THD	333.10	310.90	272.40	245.10	231.60	214.90	193.50
					NPT FULL THD	343.90	321.60	282.90	255.90	242.30	225.50	204.10
					NPT INT THD	373.90	351.70	313.10	285.70	272.40	255.60	234.20
2"-11 1/2	2"-11	2 1/2	.380	7	NPS FULL THD	427.60	399.30	352.50	316.20	303.00	284.00	258.40
					NPT FULL THD	439.80	411.40	364.70	328.40	315.00	296.10	270.50
					NPT INT THD	479.90	451.50	404.70	368.30	355.00	336.00	310.70
2 1/2-8	2 1/2-11	3"	.525	7	NPS FULL THD	641.70	587.80	535.70	PRICE ON APPLICATION			
					NPT FULL THD	659.90	605.90	553.90				
					NPT INT THD	735.10	681.30	629.00				

Refer to page 128 for tap dimensions.

H.S.S. SPECIAL ACME HAND TAPS TO TABLE 302

For your special application needs, consult us for tap design and layout. Please furnish specific material being tapped, type of hole (through, blind or cleared) and depth of hole before threading.

SIZE	LIST PRICE IN QUANTITIES OF							MULTI LEAD (EA)
	1	2	3-5	6-8	9-11	12-23	24-47	
1/4	146.80	106.90	72.80	47.20	37.10	27.20	23.30	13.00
5/16	147.60	107.70	73.60	48.40	38.00	27.70	26.00	19.30
3/8	153.20	109.80	78.90	52.60	41.60	30.30	26.80	19.30
7/16	158.20	111.00	83.20	56.80	45.60	34.60	30.20	29.10
1/2	162.40	112.80	86.80	61.30	52.60	38.70	35.10	38.80
9/16	165.60	116.10	90.10	65.40	56.50	42.10	38.70	38.80
5/8	172.50	121.40	97.00	72.20	60.50	48.70	43.10	38.80
11/16	175.30	122.80	99.20	79.50	65.70	53.50	47.10	38.80
3/4	177.80	126.30	102.00	82.50	69.00	56.30	49.80	38.80
13/16	182.00	130.40	106.70	86.60	77.20	66.30	62.70	51.60
7/8	191.90	140.40	113.20	94.20	80.30	73.20	68.70	64.50
15/16	194.20	158.20	124.70	103.30	88.20	80.30	76.70	64.40
1"	212.20	171.90	138.50	112.10	95.50	87.20	83.50	64.50
1 1/8	239.40	203.50	175.20	150.70	144.10	133.70	125.10	77.40
1 1/4	254.00	214.80	186.30	165.30	162.30	159.30	156.50	77.40
1 3/8	282.00	236.10	197.90	176.80	173.70	170.90	168.00	77.40
1 1/2	311.60	280.20	234.90	214.00	211.00	208.10	205.00	77.40

Refer to page 122 for tap dimensions.

Taps shown in above table are designed for blind or through holes in free machining steels, cast iron, zinc and aluminum die cast where the length of the hole does not exceed 1-1/2 times the diameter and the threads per inch are not coarser than the standard 60 degree NC threads.

H.S.S. SPECIAL TANDEM STYLE ACME TAPS
RIGHT AND LEFT HAND • CLASS OF FIT OTHER THAN 2G

SIZE	LIST PRICE IN QUANTITIES OF							MULTI LEAD (EA)
	1	2	3-5	6-8	9-11	12-23	24-47	
1/4	210.50	176.70	146.20	133.00	116.90	108.20	92.70	25.90
5/16	210.50	176.70	146.20	133.00	116.90	108.20	92.70	25.90
3/8	224.10	189.50	154.70	138.10	124.20	110.30	96.80	32.30
1/2	224.10	189.50	154.70	138.10	124.20	110.30	96.80	48.30
5/8	236.50	207.00	174.60	160.50	148.90	137.10	118.60	77.30
3/4	273.90	243.90	212.60	199.40	186.60	174.40	156.70	87.10
7/8	283.80	254.70	222.90	207.90	196.30	184.30	165.00	115.90
1"	373.30	338.50	299.80	262.90	250.30	237.90	212.60	141.50
1 1/8	423.30	376.90	325.00	288.00	280.00	271.00	250.30	141.50
1 1/4	431.10	386.80	338.50	317.10	306.50	300.20	294.50	141.50
1 3/8	489.10	433.10	375.10	355.80	PRICE ON APPLICATION			154.30
1 1/2	548.90	489.10	410.30	388.70				154.30
1 3/4	643.40	564.70	482.60	436.70				231.40
2"	765.90	664.60	558.70	500.70				292.30

Refer to page 131 for tap dimensions.

SOLID CARBIDE TAPS - INCH
TO TABLE 302-A

Size	H Limit	# of Flutes	EDP# Plug	EDP# Bottom	Price Each in Quantities of						
					1	2	3	6	9	12	24
#0-80	H2	2	41579	41580	80.10	73.20	69.20	67.40	67.00	59.20	57.20
#2-56	H2	2	41536	41537	80.10	73.20	69.20	67.40	67.00	59.20	57.20
#2-56 SPPT	H2	2	41538		82.20	75.30	71.30	69.50	69.10	61.30	59.30
#4-40	H2	2	41007	41008	80.10	73.20	69.20	67.40	67.00	59.20	57.20
#4-40 SPPT	H2	2	41009		82.60	75.70	71.70	69.90	69.50	61.70	59.70
#4-48	H2	2	41017	41018	80.10	73.20	69.20	67.40	67.00	59.20	57.20
#4-48 SPPT	H2	2	41019		82.60	75.70	71.70	69.90	69.50	61.70	59.70
#5-40	H2	3	41034	41035	80.10	73.20	69.20	67.40	67.00	59.20	57.20
#5-40 SPPT	H2	2	41032		82.30	75.40	71.40	69.60	69.20	60.70	58.70
#6-32	H3	3	41074	41075	61.30	61.30	61.30	61.30	61.30	53.50	52.20
#6-32 SPPT	H3	2	41072		63.50	63.50	63.50	63.50	63.50	55.00	53.70
#6-40	H2	3	41092	41093	61.30	61.30	61.30	61.30	61.30	53.50	52.20
#8-32	H3	4	41125	41126	62.50	62.50	62.50	62.50	62.50	54.70	53.40
#8-32 SPPT	H3	2	41120		64.70	64.70	64.70	64.70	64.70	56.20	54.90
#8-36	H2	4	41147	41148	62.50	62.50	62.50	62.50	62.50	54.70	53.40
#10-24	H3	4	41180	41181	63.70	63.70	63.70	63.70	63.70	55.90	54.60
#10-24 SPPT	H3	2	41175		65.90	65.90	65.90	65.90	65.90	57.40	56.10
#10-32	H3	4	41213	41214	63.70	63.70	63.70	63.70	63.70	55.90	54.60
#10-32 SPPT	H3	2	41208		65.90	65.90	65.90	65.90	65.90	57.40	56.10
#12-24	H3	4	41246	41247	64.80	64.80	64.80	64.80	64.80	57.00	55.70
#12-24 SPPT	H3	2	41241		67.00	67.00	67.00	67.00	67.00	58.50	57.20
#12-28	H3	4	41279	41280	64.80	64.80	64.80	64.80	64.80	57.00	55.70
#12-28 SPPT	H3	2	41274		67.00	67.00	67.00	67.00	67.00	58.50	57.20
1/16-27 NPT/F		4	41800		138.20	138.20	138.20	125.80	118.40	114.10	108.50
1/8-27 NPT		4	41801		176.00	176.00	176.00	176.00	170.30	166.40	160.60
1/8-27 NPSF		4	41807		148.10	148.10	148.10	148.10	143.10	139.20	133.40
1/4-18 NPT		4	41802		229.90	229.90	229.90	229.90	219.50	203.00	197.10
1/4-20	H3	4	41312	41313	72.60	72.60	72.60	72.60	72.60	63.80	61.90
1/4-20 SPPT	H3	2	41307		74.80	74.80	74.80	74.80	74.80	65.30	63.40
1/4-28	H3	4	41345	41346	72.60	72.60	72.60	72.60	72.60	63.80	61.90
1/4-28 SPPT	H3	2	41340		74.80	74.80	74.80	74.80	74.80	65.30	63.40
5/16-18	H3	4	41378	41379	83.70	83.70	83.70	83.70	83.70	72.80	71.20
5/16-18 SPPT	H3	2	41373		85.90	85.90	85.90	85.90	85.90	74.30	72.70
5/16-24	H3	4	41411	41412	83.70	83.70	83.70	83.70	83.70	72.80	71.20
3/8-16	H3	4	41444	41445	104.50	94.10	89.00	83.70	81.60	78.50	75.40
3/8-16 SPPT	H3	3	41442		107.70	97.30	92.20	85.20	83.10	80.00	76.90
3/8-24	H3	4	41476	41477	104.50	94.10	89.00	83.70	81.60	78.50	75.40
7/16-14	H3	4	41520	41521	141.30	130.90	124.60	119.50	114.50	102.30	95.40
7/16-14 SPPT	H3	3	41522		144.50	134.10	127.80	121.00	116.00	103.80	96.90
7/16-20	H3	4	41524	41525	141.30	130.90	124.60	119.50	114.50	102.30	95.40
7/16-20 SPPT	H3	3	41526		144.50	134.10	127.80	121.00	116.00	103.80	96.90
1/2-13	H3	4	41528	41529	158.60	158.60	158.60	153.40	139.00	136.80	127.80
1/2-13 SPPT	H3	3	41530		161.80	161.80	161.80	154.90	140.50	138.30	129.30
1/2-20	H3	4	41532	41533	163.60	163.60	163.60	158.40	144.00	141.80	132.80
1/2-20 SPPT	H3	3	41534		166.80	166.80	166.80	159.90	145.50	143.30	134.30

Refer to page 124 for tap dimensions

SOLID CARBIDE TAPS - METRIC
TO TABLE 302-A

Size	H Limit	# of Flutes	EDP# Plug	EDP# Bottom	Price Each in Quantities of						
					1	2	3	6	9	12	24
M3 x .5	D3	3	43001	43002	67.20	67.20	67.20	67.20	64.50	58.30	56.60
M3 x .5 SPPT	D3	2	43003		69.40	69.40	69.40	69.40	66.70	59.80	58.10
M3.5 x 0.6	D4	3	43005	43006	67.20	67.20	67.20	67.20	64.50	58.30	56.60
M3.5 x 0.6 SPPT	D4	2	43007		69.40	69.40	69.40	69.40	66.70	59.80	58.10
M4 x 0.7	D4	4	43009	43010	62.20	62.20	62.20	62.20	59.50	53.80	52.10
M4 x 0.7 SPPT	D4	2	43011		64.70	64.70	64.70	64.70	62.00	56.30	54.60
M4.5 x 0.75	D4	4	43013	43014	62.20	62.20	62.20	62.20	59.50	53.80	52.10
M4.5 x 0.75 SPPT	D4	2	43015		64.70	64.70	64.70	64.70	62.00	56.30	54.60
M5 x 0.8	D4	4	43017	43018	64.70	64.70	64.70	64.70	62.00	56.30	54.60
M5 x 0.8 SPPT	D4	2	43019		67.20	67.20	67.20	67.20	64.50	58.80	57.10
M6 x 1.0	D5	4	43021	43022	63.80	63.80	63.80	63.80	63.80	61.20	59.90
M6 x 1.0 SPPT	D5	2	43023		66.00	66.00	66.00	66.00	66.00	61.70	60.40
M7 x 1.0	D5	4	43025	43026	83.70	83.70	83.70	83.70	83.70	81.70	80.10
M7 x 1.0 SPPT	D5	2	43027		85.90	85.90	85.90	85.90	85.90	83.20	81.60
M8 x 1.25	D5	4	43029	43030	83.70	83.70	83.70	83.70	83.70	81.70	80.10
M8 x 1.25 SPPT	D5	2	43031		85.90	85.90	85.90	85.90	85.90	83.20	81.60
M8 x 1.0	D5	4	43033	43034	83.70	83.70	83.70	83.70	83.70	81.70	80.10
M10 x 1.5	D6	4	43037	43038	104.50	94.10	89.00	83.70	81.60	78.50	75.40
M10 x 1.5 SPPT	D6	3	43039		107.70	97.30	92.20	85.20	83.10	80.00	76.90
M12 x 1.75	D6	4	43045	43046	158.60	158.60	158.60	153.40	139.00	136.80	127.80
M12 x 1.75 SPPT	D6	3	43047		161.80	161.80	161.80	154.90	140.50	138.30	129.30

Refer to page 124 for tap dimensions.

CARB-I-SERT™
CARBIDE INSERT TAPS

Size	# of Flutes	EDP# Plug	EDP# Bottom	Price Each in Quantities of						
				1	2	3	6	9	12	24
3/8-18 NPT/F	4	41808		400.00	363.20	329.40	306.20	285.70	275.70	264.60
1/2-14 NPT/F	4	41809		414.90	378.90	355.50	328.80	320.30	305.30	288.10
9/16-12	4	41540	41541	271.30	271.30	271.30	249.40	245.30	237.60	235.80
9/16-18	4	41543	41544	271.30	271.30	271.30	249.40	245.30	237.60	235.80
5/8-11	4	41546	41547	320.30	320.30	320.30	303.60	292.90	272.60	256.90
5/8-18	4	41549	41550	320.30	320.30	320.30	303.60	292.90	272.60	256.90
3/4-10	4	41552	41553	349.80	349.80	349.80	328.80	322.70	310.10	305.30
3/4-14 NPT/F	4	41810		579.20	571.50	451.20	410.20	402.30	388.30	366.30
3/4-16	4	41555	41556	349.80	349.80	349.80	328.80	322.70	310.10	305.30
7/8-9	4	41558	41559	383.60	369.60	363.30	344.80	342.70	338.20	334.30
7/8-14	4	41561	41562	383.60	369.60	363.30	344.80	342.70	338.20	334.30
1"-8	4	41564	41565	437.50	429.20	414.90	385.80	382.10	374.20	358.60
1"-11-1/2 NPT/F	6	41811		732.50	718.50	610.50	563.80	549.50	521.40	501.00
1"-12	4	41567	41568	437.50	429.20	414.90	385.80	382.10	374.20	358.60
1-1/4-7	4	41570	41571	520.70	516.50	508.90	499.40	482.10	465.00	457.30
1-3/8-12	4	41573	41574	579.20	560.50	547.10	524.50	516.60	502.50	483.80
1-1/2-8	4	41576	41577	585.60	577.40	560.50	535.40	524.50	507.10	493.80

SPECIAL DIES AND ADAPTERS

ROUND ADAPTERS

EDP #	DESCRIPTION	PRICE EACH
13656	Die O.D. = 1" / Adapter O.D. = 1-1/2"	40.50
13657	Die O.D. = 1" / Adapter O.D. = 2"	50.60
13658	Die O.D. = 1 1/2" / Adapter O.D. = 2"	50.60
13659	Die O.D. = 1 1/2" / Adapter O.D. = 2 1/2"	57.70
13660	Die O.D. = 2" / Adapter O.D. = 2 1/2"	57.70
13661	Die O.D. = 2 1/2" / Adapter O.D. = 3"	75.70

HEX ADAPTERS

EDP #	DESCRIPTION	PRICE EACH
13650	Die OD 1"	40.50
13651	Die OD 1-1/2"	50.60
13652	Die OD 2"	57.70
13653	Die OD 2-1/2"	75.70
13654	(Fine) Die OD 3"	112.10
13655	(Coarse) Die OD 3"	112.10

HEX DIES

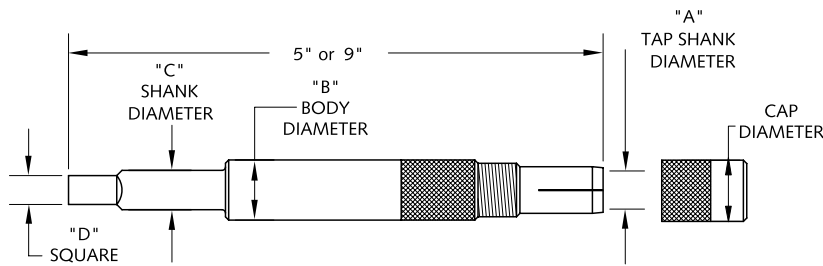
SIZE	METRIC	PRICE EACH IN QUANTITIES OF			
		1	2	3	6
1/4	M6	98.70	68.20	46.00	33.70
5/16	M8	103.60	72.50	50.30	37.90
3/8, 7/16	M11	108.80	77.40	55.40	42.40
1/2, 9/16	M14	142.40	100.40	70.90	54.20
5/8	M16	153.40	110.30	80.80	63.80
11/16, 3/4	M18	163.60	119.90	90.00	72.40
7/8	M22	174.80	129.60	100.80	82.20
1"	M25	220.20	161.40	122.50	86.70
1 1/8	M28	241.40	192.90	144.70	91.50
1 1/4	M31	270.20	219.10	168.20	127.10
1 3/8	M33	292.50	242.60	192.90	144.50
1 1/2	M38	301.70	247.70	202.80	157.30
1 5/8, 1 3/4, 1 7/8	M45	419.50	352.00	283.60	203.80
2", 2 1/8, 2 1/4	M56	481.40	408.00	340.20	253.40
2 3/8, 2 1/2, 2 5/8, 2 3/4	M69	730.10	532.60	460.70	POA
2 7/8, 3", 3 1/4, 3 3/8, 3 1/2	M88	797.50	600.10	513.50	POA

ROUND ADJUSTABLE DIES

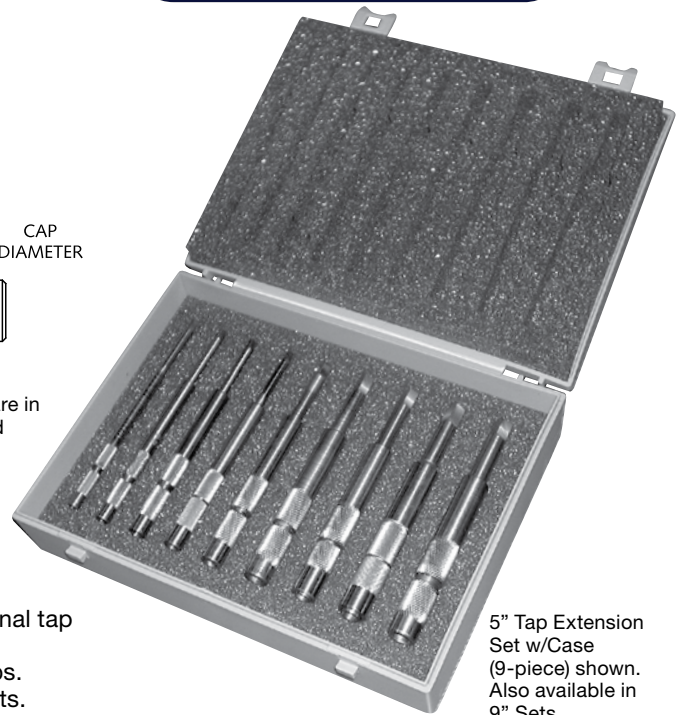
SIZE	METRIC	OD	MAX TPI	PRICE EACH IN QUANTITIES OF			
				1	2	3	6
#4 - 3/8"	M3 - M9	1"	80	97.50	79.00	57.20	42.20
7/16" - 5/8"	M10 - M18	1 1/2"	40	142.80	118.70	78.40	68.80
11/16" - 1 1/16"	M19 - M27	2"	40	223.20	188.30	118.30	102.90
1 1/8" - 1 1/2"	M30 - M38	2 1/2"	28	275.60	239.50	166.50	146.10
1 9/16" - 2"	M39 - M48	3"	28	328.00	290.90	266.40	189.20

TAP EXTENSIONS: for ANSI STANDARD TAPS

BACK TO INDEX



The tap shank enters the hole and is locked into a square in the bottom of the hole. The tap is then secured by hand tightening the compression cap.



5" Tap Extension Set w/Case (9-piece) shown. Also available in 9" Sets.

- Hand Tap Extensions 5" & 9" Length
- Made from tool steel.
- Internal square drive for positive tap drive.
- Compression cap for easy tightening. No wrench required.
- A very effective tool at low cost.
- The slim profile lets you fit into places not accessible to conventional tap extensions.
- Eliminates the need for purchasing expensive extended length taps.
- Integral compression collet eliminates the need for bulky collet nuts.

EDP No.	List Price	Nominal Tap Size	Metric Tap Size ASME/ANSI B94.9 - 1987	"A" Dia. of Tap Shank (inch)	"B" Ext Dia. (inch)	"C" Shank Dia. (inch)	"D" Square Size (inch)	Depth Tap Enters
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5" TAP EXTENSIONS (CAP Diameter = "B" Body Diameter)

21700	46.40	#0-#6	M1.6-M3.5	.141	1/4"	.194	.152	7/8"
21701	46.40	#8	M4	.168	5/16"	.194	.152	7/8"
21702	46.40	#10	M4.5-M5	.194	3/8"	.194	.152	1"
21703	46.40	#12		.220	3/8"	.194	.152	1"
21704	46.40	1/4"	M6-M6.3	.255	7/16"	.255	.191	1"
21705	56.90	5/16"	M7 & M8	.318	1/2"	.318	.238	1-1/16"
21706	56.90	3/8"	M10	.381	9/16"	.381	.286	1-1/8"
21707	56.90	7/16"		.323	1/2"	.323	.242	1-1/16"
21708	56.90	1/2"	M12	.367	9/16"	.367	.275	1-1/8"
21709	56.90	1/16 & 1/8 RS NPT		.312	1/2"	.312	.234	1"
21796	432.60	5" Tap Extension Set w/Case (9-piece set includes No. 21700 thru 21708)						

9" TAP EXTENSIONS (CAP Diameter = "B" Body Diameter)

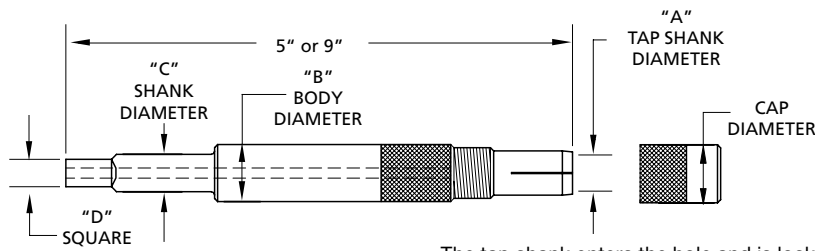
21805	48.90	#0-#6	M1.6-M3.5	.141	1/4"	.194	.152	7/8"
21710	48.90	#8	M4	.168	5/16"	.194	.152	7/8"
21711	48.90	#10	M4.5-M5	.194	3/8"	.194	.152	1"
21712	48.90	#12		.220	3/8"	.194	.152	1"
21713	48.90	1/4"	M6	.255	7/16"	.255	.191	1"
21714	60.10	5/16"	M7 & M8	.318	1/2"	.318	.238	1-1/16"
21715	60.10	3/8"	M10	.381	9/16"	.381	.286	1-1/8"
21716	60.10	7/16"		.323	1/2"	.323	.242	1-1/16"
21717	60.10	1/2"	M12	.367	9/16"	.367	.275	1-1/8"
21718	60.10	1/16 & 1/8 RS NPT		.312	1/2"	.312	.234	1"
21797	451.20	9" Tap Extension Set w/Case (9-piece set includes No. 21805 thru 21717)						

6" TAP EXTENSIONS (For Taps Larger Than 1/2") (CAP Diameter = 1/8" Greater than "B" Body Diameter)

21719	85.10	9/16"		.429	3/4"	.429	.320	1-1/4"
21720	85.10	1/8 NPT		.437	3/4"	.437	.328	1"
21721	85.10	5/8"	M16	.480	3/4"	.480	.360	1-1/4"
21722	97.30	11/16"		.542	7/8"	.542	.406	1-1/4"
21723	106.30	1/4 NPT		.562	7/8"	.562	.420	1"
21724	97.30	3/4"		.590	7/8"	.590	.440	1-3/8"
21725	97.30	7/8"		.697	1"	.697	.520	1-3/8"
21726	97.30	3/8 NPT		.700	1"	.700	.530	1-3/16"
21727	97.30	1/2 NPT		.687	1"	.687	.515	1-1/4"
21798	97.30	1"		.800	1"	.800	.600	1-1/2"

Specify quantity, EDP number, tap size and extension length.





The tap shank enters the hole and is locked into a square in the bottom of the hole. The tap is then secured by hand tightening the compression cap.

- Coolant-Through Hand Tap Extensions 5" & 9" Length
- Made from tool steel.
- Internal square drive for positive tap drive.
- Compression cap for easy tightening. No wrench required.
- A very effective tool at low cost.
- The slim profile lets you fit into places not accessible to conventional tap extensions.
- Eliminates the need for purchasing expensive extended length taps.
- Integral compression collet eliminates the need for bulky collet nuts.



EDP No.	List Price	Nominal Tap Size	Metric Tap Size ASME/ANSI B94.9 - 1987	"A" Dia. of Tap Shank (inch)	"B" Ext Dia. (inch)	"C" Shank Dia. (inch)	"D" Square Size (inch)	Depth Tap Enters	Coolant Hole Dia.
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5" COOLANT-THROUGH TAP EXTENSIONS (CAP Diameter = "B" Body Diameter)

21728	137.50	#0-#6	M1.6-M3.5	.141	1/4"	.194	.152	7/8"	7/64
21729	137.50	#8	M4	.168	5/16"	.194	.152	7/8"	7/64
21730	137.50	#10	M4.5-M5	.194	3/8"	.194	.152	1"	7/64
21731	137.50	#12		.220	3/8"	.194	.152	1"	7/64
21732	107.80	1/4"	M6-M6.3	.255	7/16"	.255	.191	1"	3/32
21733	107.80	5/16"	M7 & M8	.318	1/2"	.318	.238	1-1/16"	5/32
21734	107.80	3/8"	M10	.381	9/16"	.381	.286	1-1/8"	5/32
21735	107.80	7/16"		.323	1/2"	.323	.242	1-1/16"	5/32
21736	107.80	1/2"	M12	.367	9/16"	.367	.275	1-1/8"	5/32
21799	107.80	1/16 & 1/8 RS NPT		.312	1/2"	.312	.234	1"	5/32

9" COOLANT-THROUGH TAP EXTENSIONS (CAP Diameter = "B" Body Diameter)

21737	192.50	#0-#6	M1.6-M3.5	.141	1/4"	.194	.152	7/8"	7/64
21738	192.50	#8	M4	.168	5/16"	.194	.152	7/8"	7/64
21739	192.50	#10	M4.5-M5	.194	3/8"	.194	.152	1"	7/64
21740	192.50	#12		.220	3/8"	.194	.152	1"	7/64
21741	192.50	1/4"	M6	.255	7/16"	.255	.191	1"	3/32
21742	192.50	5/16"	M7 & M8	.318	1/2"	.318	.238	1-1/16"	5/32
21743	192.50	3/8"	M10	.381	9/16"	.381	.286	1-1/8"	5/32
21744	192.50	7/16"		.323	1/2"	.323	.242	1-1/16"	5/32
21745	192.50	1/2"	M12	.367	9/16"	.367	.275	1-1/8"	5/32
21800	192.50	1/16 & 1/8 RS NPT		.312	1/2"	.312	.234	1"	5/32

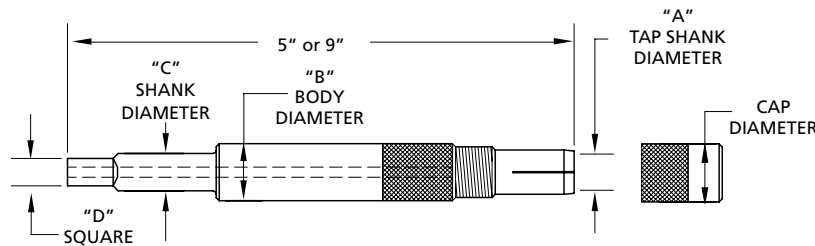
6" COOLANT-THROUGH TAP EXTENSIONS (For Taps Larger Than 1/2") (CAP Diameter = 1/8" Greater than "B" Body Diameter)

21746	220.00	9/16"		.429	3/4"	.429	.320	1-1/4"	3/16
21747	220.00	1/8 NPT		.437	3/4"	.437	.328	1"	3/16
21748	220.00	5/8"	M16	.480	3/4"	.480	.360	1-1/4"	3/16
21749	220.00	11/16"		.542	7/8"	.542	.406	1-1/4"	3/16
21750	220.00	1/4 NPT		.562	7/8"	.562	.420	1"	3/16
21751	220.00	3/4"		.590	7/8"	.590	.440	1-3/8"	3/16
21752	220.00	7/8"		.697	1"	.697	.520	1-3/8"	3/16
21753	220.00	3/8 NPT		.700	1"	.700	.530	1-3/16"	3/16
21754	220.00	1/2 NPT		.687	1"	.687	.515	1-1/4"	3/16
21755	220.00	1"		.800	1"	.800	.600	1-1/2"	3/16

Specify quantity, EDP number, tap size and extension length.

TAP EXTENSIONS: for DIN STANDARD TAPS

BACK TO INDEX



The tap shank enters the hole and is locked into a square in the bottom of the hole. The tap is then secured by hand tightening the compression cap.

- Metric DIN Hand Tap Extensions 5" & 9" Length
- All popular DIN metric sizes.
- All the most popular sizes available for coolant-through taps.
- Made from tool steel.
- Internal square drive for positive tap drive.
- Compression cap for easy tightening. No wrench required.
- A very effective tool at low cost.
- The slim profile lets you fit into places not accessible to conventional tap extensions.
- Eliminates the need for purchasing expensive extended length taps.
- Integral compression collet eliminates the need for bulky collet nuts.

EDP No.	List Price	Taps with DIN 371 Shanks	Taps with DIN 374/376 Shanks	"A" Dia. of Tap Shank (mm) (inch)		Depth Tap Enters	"B" Ext. Dia. (inch)	"C" Shank Dia. (mm) (inch)		"D" Square Size (mm) (inch)		With Coolant Hole		
												EDP No.	List Price	Coolant Hole Size
5" (127mm) LONG TAP EXTENSIONS (CAP Diameter = "B" Body Diameter)														
21756	114.70	M2-M2.6	M4	2.8mm (.110)	7/8"	1/4"	6mm (.236)	4.9mm (.193)	21776	169.70	2.36mm			
21757	114.70	M3	M4.5-M5	3.5mm (.137)	7/8"	5/16"	6mm (.236)	4.9mm (.193)	21777	169.70	2.36mm			
21758	114.70	M3.5	M5.5	4.0mm (.157)	7/8"	3/8"	6mm (.236)	4.9mm (.193)	21778	169.70	2.36mm			
21759	114.70	M4	M6	4.5mm (.177)	7/8"	3/8"	6mm (.236)	4.9mm (.193)	21779	169.70	2.36mm			
21760	114.70	M4.5-M6	M8	6.0mm (.236)	1"	7/16"	7mm (.275)	5.5mm (.216)	21780	169.70	3.96mm			
21761	114.70	M7	M9-M10	7.0mm (.275)	1"	1/2"	7mm (.275)	5.5mm (.216)	21781	169.70	3.96mm			
21762	114.70	M8	M11	8.0mm (.315)	1-1/8"	1/2"	8mm (.315)	6.2mm (.244)	21782	169.70	3.96mm			
21763	114.70	M9	M12	9.0mm (.354)	1-3/16"	5/8"	9mm (.354)	7mm (.275)	21783	169.70	3.96mm			
21764	114.70	M10		10.0mm (.393)	1-1/4"	5/8"	10mm (.393)	8mm (.315)	21784	169.70	3.96mm			
21765	114.70		M14	11.0mm (.433)	1-3/8"	3/4"	11mm (.433)	9mm (.354)	21785	169.70	3.96mm			
21801	114.70	M12	M16	12.0mm (.472)	1-3/8"	3/4"	12mm (.472)	9mm (.354)	21803	169.70	3.96mm			

9" (228.6mm) TAP EXTENSIONS (CAP Diameter = "B" Body Diameter)

21766	152.70	M2-M2.6	M4	2.8mm (.110)	7/8"	1/4"	6mm (.236)	4.9mm (.193)	21786	244.50	2.36mm
21767	152.70	M3	M4.5-M5	3.5mm (.137)	7/8"	5/16"	6mm (.236)	4.9mm (.193)	21787	244.50	2.36mm
21768	152.70	M3.5	M5.5	4.0mm (.157)	7/8"	3/8"	6mm (.236)	4.9mm (.193)	21788	244.50	2.36mm
21769	152.70	M4	M6	4.5mm (.177)	7/8"	3/8"	6mm (.236)	4.9mm (.193)	21789	244.50	2.36mm
21770	152.70	M4.5-M6	M8	6.0mm (.236)	1"	7/16"	7mm (.275)	5.5mm (.216)	21790	244.50	3.96mm
21771	152.70	M7	M9-M10	7.0mm (.275)	1"	1/2"	7mm (.275)	5.5mm (.216)	21791	244.50	3.96mm
21772	152.70	M8	M11	8.0mm (.315)	1-1/8"	1/2"	8mm (.315)	6.2mm (.244)	21792	244.50	3.96mm
21773	152.70	M9	M12	9.0mm (.354)	1-3/16"	5/8"	9mm (.354)	7mm (.275)	21793	244.50	3.96mm
21774	152.70	M10		10.0mm (.393)	1-1/4"	5/8"	10mm (.393)	8mm (.315)	21794	244.50	3.96mm
21775	152.70		M14	11.0mm (.433)	1-3/8"	3/4"	11mm (.433)	9mm (.354)	21795	244.50	3.96mm
21802	152.70	M12	M16	12.0mm (.472)	1-3/8"	3/4"	12mm (.472)	9mm (.354)	21804	244.50	3.96mm

Specify quantity, EDP number, tap size and extension length.



**INDUSTRIAL CUTTING FLUIDS,
CLEANERS/DEGREASERS,
RUST PREVENTATIVES**

DESCRIPTION	EDP Each	EDP Case	Each	Case	Case Qty
Smart Cut™ Tapping & Drilling Fluid					
Smart Cut 16 Ounce Bottle	FL110	FL115	10.30	114.70	12
Smart Cut Gallon Container	FL120	FL125	62.90	242.90	4
Smart Cut 5 Gallon Bucket	FL130		246.10		
Smart Cut 55 Gallon Drum	FL135		2,536.30		
Smart Clean Cleaner Degreaser					
Smart Clean Quart Spray Bottle w/Trigger Grip	FL200	FL205	11.60	138.60	12
Smart Clean Gallon Container	FL210	FL215	15.20	60.80	4
Smart Clean/A Aqueous Parts Washer					
Smart Clean Gallon Container	FL300	FL305	22.40	89.40	4
Smart Pro Rust Preventative					
Smart Pro Quart Spray Bottle w/Trigger Grip	FL400	FL405	20.40	244.20	12
Smart Pro Gallon Container	FL410	FL415	52.80	211.20	4

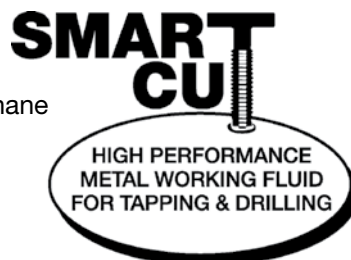
SMART CUT™: TAPPING, DRILLING, CUTTING FLUID



An extreme duty drilling, tapping, cutting fluid which is considered environmentally safe. Smart Cut is thick, like honey, and will stick to the tool throughout the cutting operation. Ideal for machining stainless steel, carbon steel, inconel, monel, hastalloy, titanium, aluminum and other alloys and exotic metals. Originally designed as a tapping and drilling fluid, but works well for sawing and other machining/metalcutting operations.

Advantages:

- Increases Productivity
- Greatly extends tool life
- Reduces torque
- Improves finish and size
- Mild pleasant aroma
- Does not contain 1,1,1 Trichloroethane
- Environmentally smart!



**INDUSTRIAL CUTTING FLUIDS,
CLEANERS/DEGREASERS, RUST PREVENTATIVES****NEW!****SMART CLEAN: INDUSTRIAL CLEANER / DEGREASER**

A safe alternative to the ever growing problem of toxic chemical use. This concentrated all purpose cleaner is ideal for maintenance/shop needs...machinery, metallic surfaces, metal parts, walls, windows, floors, vinyl, plastic, engine degreasing. It will not harm any surface not harmed by water. May be diluted up to 1 ounce per gallon. Formulated to a balanced blend of detergents, chelating agents and builders to cut through any grease, dirt, soil, grime and suspended soil. Unique chemical technology works to quickly penetrate, detach and lift soils and greases to leave surfaces clean and residue free. This product is non-hazardous, non-corrosive and biodegradable.



Advantages:

- Non-toxic
- Concentrated formula
- Safe, multi-purpose cleaner
- Removes all greases, grimes and soils
- Phenol-free
- Biodegradable
- Ideal for general cleaning or heavy duty cleaning
- Environmentally smart!

NEW!**SMART CLEAN / A: AQUEOUS PARTS WASHER**

Smart Clean/A aqueous parts washer is a specially formulated water-soluble alkaline cleaner specifically designed for high pressure and high temperature parts washers. It will cut oil and sludge from machined parts and provide in-process rust protection to prevent flash rusting. A safe alternative to the ever growing problem of toxic chemical use. It will not harm any surface not harmed by water. May be diluted up to 1 ounce per gallon. Formulated to a balanced blend of detergents, chelating agents and builders to cut through any grease, dirt, soil, grime and suspended soil. Leaves surfaces clean and sparkling with a fresh aroma. Excellent also as a general purpose cleaner for walls and windows.



Advantages:

- Superior cleaning
- Easily removes grease and oil
- Good rust protection
- Will not harm paint at proper dilutions
- Breaks down sludge
- Environmentally smart!

NEW!**SMART PRO: RUST PREVENTATIVE**

Smart Pro is an evaporative, water displacing, non-staining rust preventative and lubricant that leaves behind a thin, non-greasy film. Provides intermediate-term salt spray rust protection and provides short-term outdoor rust protection. Can be applied by spraying, brushing or submersion. Individual tests should be run to check compatibility of rust preventative to paint or other type of coating. Remove by wiping with a light petroleum distillate (i.e. mineral spirits) or other commercial degreaser.



Advantages:

- Superior rust prevention
- Excellent salt spray protection
- Water displacing
- Non-greasy film residue
- Moderate outdoor protection

[BACK TO INDEX](#)

SPECIAL TAPS, DIES AND GAGES. QUALITY. QUICK.



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