

HSS



Being the best through innovation



SCREW THREAD INSERT TAPS









- Tapping STI Threads of Soft Materials (HSS-E)

SELECTION GUIDE

SCREW THREAD INSERT TAPS

Tapping STI Threads of Soft Materials (HSS-E)

INCH

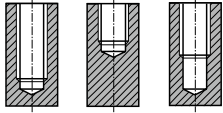
EDP No.	MODEL	Tool Material	Standard	Work Material	Dimensions	Tolerance	Chamfer	Thread Depth	Surface Treatment	Page
ST/SI		HSSE-V3	UNC/UNF	GS	USCTI 322	2B	1.5 ~ 2P	2.5D	Hardslick	471
T7406		HSS	UNC/UNF	GS	USCTI 322	H2~H4	1.5 ~ 2P		Bright	472
T7425		HSS	M/MF	GS	USCTI 322A	D2~D4	1.5 ~ 2P		Bright	473
ST/SI		HSSE-V3	UNC/UNF	GS	USCTI 322	2B	4 ~ 5P	3.0D	Hardslick	474
T7436		HSS	UNC/UNF	GS	USCTI 322	H1~H4	4 ~ 5P		Bright	475
T7415		HSS	M/MF	GS	USCTI 322A	D2~D4	4 ~ 5P		Bright	476
T7426		HSS	UNC/UNF	GS	USCTI 322	H1~H4	4 ~ 5P 1.5 ~ 2P	2.0D	Bright	477
T7405		HSS	M/MF	GS	USCTI 322A	D2~D4	4 ~ 5P 1.5 ~ 2P		Bright	478

YG SCREW THREAD INSERT TAPS

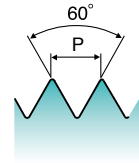
ST/SI SERIES

SPIRAL FLUTE TAPS SCREW THREAD INSERT for General Purpose

Hole type 2.5xD



USCTI



GS
HSSE-V3
UNC UNF
USCTI 322
2B
60°
1.5P~2P
Hardslick
R40

SIZE	Thread Per Inch		Limit	No. of Flute	EDP No.
	UNC	UNF			Hardslick
#4	40	—	2B	3	ST162
#4	—	48	2B	3	SI182
#5	40	—	2B	3	ST202
#5	—	44	2B	3	SI222
#6	32	—	2B	3	ST242
#6	—	40	2B	3	SI262
#8	32	—	2B	3	ST282
#8	—	36	2B	3	SI302
#10	24	—	2B	3	ST322
#10	—	32	2B	3	SI342
#12	24	—	2B	3	ST362
#12	—	28	2B	3	SI382
1/4	20	—	2B	3	ST402
1/4	—	28	2B	3	SI422
5/16	18	—	2B	3	ST442
5/16	—	24	2B	3	SI462
3/8	16	—	2B	3	ST482
3/8	—	24	2B	3	SI502
7/16	14	—	2B	3	ST522
7/16	—	20	2B	3	SI542
1/2	13	—	2B	3	ST562
1/2	—	20	2B	3	SI582
9/16	12	—	2B	4	ST602
9/16	—	18	2B	4	SI622
5/8	11	—	2B	4	ST642
5/8	—	18	2B	4	SI662
3/4	10	—	2B	4	ST702
3/4	—	16	2B	4	SI722

► For tapping depth on ANSI Length Taps, refer to MCTI 302 on page 499.

◎ : Excellent ○ : Good

P				M				K		
Low carbon steels/ Free machining carbon steels	Medium to high carbon steels/ Low alloyed steels	Steel castings & forgings / Heat-treatable alloy steels	Alloyed tool steels / Mold steels	Free machining stainless steels	Heat-and corrosionresistant stainless steels / Valve stainless steels	Stainless steel castings / Precipitation hardening stainless steels		Grey cast iron		
◎	◎	○						○		
K		N				S				
Nodular cast iron / Chilled cast iron / Meehanite iron / Ductile iron	Pure and alloyed copper	Free machining brass / Alloyed brass	Bronze	Pure Aluminum/ Aluminum alloy	Aluminum alloy castings	Zinc	Magnesium	718 & 625 INCO / Waspaloy / Hastelloy / Invar / Monel / Incoloy	718 Inconel / A286	Titanium
				○	○					

CARBIDE

THREAD MILLS

COMBO TAPS

SPIRAL FLUTE TAPS

SPIRAL POINT TAPS

STRAIGHT FLUTE TAPS

FORMING TAPS

SCREW THREAD INSERT TAPS

PIPE TAPS

TECHNICAL DATA

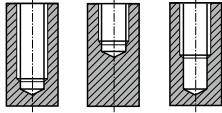


SCREW THREAD INSERT TAPS

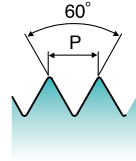
T7406 SERIES

SPIRAL FLUTE TAPS SCREW THREAD INSERT for General Purpose

Hole type 2.5×D



USCTI



GS
HSS
UNC UNF
USCTI 322
H2~H4
60°
1.5P~2P
Bright
R50

SIZE	Thread Per Inch		Limit	No. of Flute	EDP No.
	UNC	UNF			Bright
#2	56	—	H2	2	T7406082
#3	48	—	H2	2	T7406122
#4	40	—	H2	2	T7406162
#4	—	48	H2	3	T7406182
#6	32	—	H2	3	T7406242
#6	32	—	H3	3	T7406243
#6	—	40	H2	3	T7406262
#8	32	—	H2	3	T7406282
#8	32	—	H3	3	T7406283
#8	—	36	H2	3	T7406302
#10	24	—	H2	3	T7406322
#10	24	—	H3	3	T7406323
#10	—	32	H2	3	T7406342
#10	—	32	H3	3	T7406343
1/4	20	—	H2	3	T7406402
1/4	20	—	H3	3	T7406403
1/4	—	28	H2	3	T7406422
1/4	—	28	H3	3	T7406423
5/16	18	—	H3	3	T7406443
5/16	18	—	H4	3	T7406444
5/16	—	24	H2	3	T7406462
5/16	—	24	H3	3	T7406463
3/8	16	—	H3	3	T7406483
3/8	16	—	H4	3	T7406484
3/8	—	24	H2	3	T7406502
3/8	—	24	H3	3	T7406503
7/16	14	—	H3	4	T7406523
7/16	14	—	H4	4	T7406524
7/16	—	20	H3	3	T7406543
7/16	—	20	H4	3	T7406544
1/2	13	—	H3	4	T7406563
1/2	13	—	H4	4	T7406564
1/2	—	20	H3	4	T7406583
1/2	—	20	H4	4	T7406584

► For tapping depth on ANSI Length Taps, refer to MCTI 302 on page 499.

○ : Excellent ○ : Good

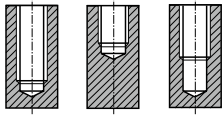
P				M				K		
Low carbon steels/ Free machining carbon steels	Medium to high carbon steels/ Low alloyed steels	Steel castings & forgings / Heat-treatable alloy steels	Alloyed tool steels / Mold steels	Free machining stainless steels	Heat and corrosion resistant stainless steels / Valve stainless steels	Stainless steel castings / Precipitation hardening stainless steels	Grey cast iron			
○	○						○			
K		N				S				
Nodular cast iron / Chilled cast iron / Meehanite iron / Ductile iron	Pure and alloyed copper	Free machining brass / Alloyed brass	Bronze	Pure Aluminum/ Aluminum alloy	Aluminum alloy castings	Zinc	Magnesium	718 & 625 INCO / Waspaloy / Hastelloy / Invar / Monel / Incoloy	718 Inconel / A286	Titanium
				○	○					

YG SCREW THREAD INSERT TAPS

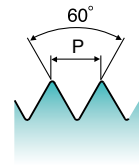
T7425 SERIES

METRIC SPIRAL FLUTE TAPS SCREW THREAD INSERT for General Purpose

Hole type 2.5×D



USCTI



GS
HSS
M MF
USCTI 322A
D2~D4
60°
1.5P~2P
Bright
R50

SIZE	Pitch	Limit	No. of Flute	EDP No.
				Bright
M2	0.40	D2	2	T7425132
M2.5	0.45	D2	2	T7425172
M3	0.50	D2	3	T7425202
M4	0.70	D3	3	T7425243
M5	0.80	D3	3	T7425283
M6	1.00	D3	3	T7425313
M8	1.25	D3	3	T7425363
M10	1.50	D4	3	T7425424
M12	1.75	D4	3	T7425504

► For tapping depth on ANSI Length Taps, refer to MCTI 302 on page 499.

◎ : Excellent ○ : Good

P				M				K		
Low carbon steels/ Free machining carbon steels	Medium to high carbon steels/ Low alloyed steels	Steel castings & forgings / Heat-treatable alloy steels	Alloyed tool steels / Mold steels	Free machining stainless steels	Heat-and corrosionresistant stainless steels / Valve stainless steels	Stainless steel castings / Precipitation hardening stainless steels		Grey cast iron		
○	○							○		
K		N				S				
Nodular cast iron / Chilled cast iron / Meehanite iron / Ductile iron	Pure and alloyed copper	Free machining brass / Alloyed brass	Bronze	Pure Aluminum/ Aluminum alloy	Aluminum alloy castings	Zinc	Magnesium	718 & 625 INCO / Waspaloy / Hastelloy / Invar / Monel / Incoloy	718 Inconel / A286	Titanium
				○	○					

HSS

CARBIDE

THREAD
MILLS

COMBO
TAPS

SPIRAL
FLUTE TAPS

SPIRAL
POINT TAPS

STRAIGHT
FLUTE TAPS

FORMING
TAPS

SCREW
THREAD
INSERT TAPS

PIPE TAPS

TECHNICAL
DATA

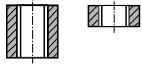


SCREW THREAD INSERT TAPS

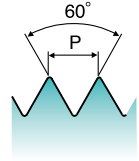
ST/SI SERIES

SPIRAL POINT TAPS SCREW THREAD INSERT for General Purpose

Hole type 3.0×D



USCTI



GS
HSSE-V3
UNC UNF
USCTI 322
2B
60°
4P~5P
Hardslick

SIZE	Thread Per Inch		Limit	No. of Flute	EDP No.
	UNC	UNF			Hardslick
#4	40	—	2B	3	SI162
#4	—	48	2B	3	ST182
#6	32	—	2B	3	SI242
#6	—	40	2B	3	ST262
#8	32	—	2B	3	SI282
#8	—	36	2B	3	ST302
#10	24	—	2B	3	SI322
#10	—	32	2B	3	ST342
1/4	20	—	2B	3	SI402
1/4	—	28	2B	3	ST422
5/16	18	—	2B	3	SI442
5/16	—	24	2B	3	ST462
3/8	16	—	2B	3	SI482
3/8	—	24	2B	3	ST502
7/16	14	—	2B	3	SI522
7/16	—	20	2B	3	ST542
1/2	13	—	2B	3	SI562
1/2	—	20	2B	3	ST582
9/16	12	—	2B	3	SI602
9/16	—	18	2B	3	ST622
5/8	11	—	2B	3	SI642
5/8	—	18	2B	3	ST662
3/4	10	—	2B	3	SI702
3/4	—	16	2B	3	ST722

► For tapping depth on ANSI Length Taps, refer to MCTI 302 on page 499.

◎ : Excellent ○ : Good

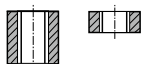
P				M				K		
Low carbon steels/ Free machining carbon steels	Medium to high carbon steels/ Low alloyed steels	Steel castings & forgings / Heat-treatable alloy steels	Alloyed tool steels / Mold steels	Free machining stainless steels	Heat and corrosion resistant stainless steels / Valve stainless steels	Stainless steel castings / Precipitation hardening stainless steels	Grey cast iron			
◎	◎	○					○			
K		N				S				
Nodular cast iron / Chilled cast iron / Meehanite iron / Ductile iron	Pure and alloyed copper	Free machining brass / Alloyed brass	Bronze	Pure Aluminum/ Aluminum alloy	Aluminum alloy castings	Zinc	Magnesium	718 & 625 INCO / Waspaloy / Hastelloy / Invar / Monel / Incoloy	718 Inconel / A286	Titanium
				○	○					

YG SCREW THREAD INSERT TAPS

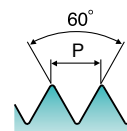
T7436 SERIES

SPIRAL POINT TAPS SCREW THREAD INSERT for General Purpose

Hole type 3.0×D



USCTI



GS
HSS
UNC UNF
USCTI 322
H1~H4
60°
4P~5P
Bright

SIZE	Thread Per Inch		Limit	No. of Flute	EDP No.
	UNC	UNF			Bright
#2	56	—	H2	2	T7436082
#3	48	—	H2	2	T7436122
#4	40	—	H1	2	T7436161
#4	40	—	H2	2	T7436162
#4	—	48	H2	2	T7436182
#5	40	—	H2	2	T7436202
#6	32	—	H2	2	T7436242
#6	32	—	H3	2	T7436243
#6	—	40	H2	2	T7436262
#8	32	—	H2	2	T7436282
#8	32	—	H3	2	T7436283
#8	—	36	H2	2	T7436302
#10	24	—	H2	2	T7436322
#10	24	—	H3	2	T7436323
#10	—	32	H2	2	T7436342
#10	—	32	H3	2	T7436343
1/4	20	—	H2	3	T7436402
1/4	20	—	H3	3	T7436403
1/4	—	28	H2	3	T7436422
1/4	—	28	H3	3	T7436423
5/16	18	—	H3	3	T7436443
5/16	18	—	H4	3	T7436444
5/16	—	24	H2	3	T7436462
5/16	—	24	H3	3	T7436463
3/8	16	—	H3	3	T7436483
3/8	16	—	H4	3	T7436484
3/8	—	24	H2	3	T7436502
3/8	—	24	H3	3	T7436503
7/16	14	—	H3	3	T7436523
7/16	14	—	H4	3	T7436524
7/16	—	20	H3	3	T7436543
7/16	—	20	H4	3	T7436544
1/2	13	—	H3	4	T7436563
1/2	13	—	H4	4	T7436564
1/2	—	20	H3	4	T7436583
1/2	—	20	H4	4	T7436584

► For tapping depth on ANSI Length Taps, refer to MCTI 302 on page 499.

○ : Excellent ○ : Good

P				M				K		
Low carbon steels/ Free machining carbon steels	Medium to high carbon steels/ Low alloyed steels	Steel castings & forgings / Heat-treatable alloy steels	Alloyed tool steels / Mold steels	Free machining stainless steels	Heat-and corrosionresistant stainless steels / Valve stainless steels	Stainless steel castings / Precipitation hardening stainless steels	Grey cast iron			
○	○						○			
K		N				S				
Nodular cast iron / Chilled cast iron / Meehanite iron / Ductile iron	Pure and alloyed copper	Free machining brass / Alloyed brass	Bronze	Pure Aluminum/ Aluminum alloy	Aluminum alloy castings	Zinc	Magnesium	718 & 625 INCO / Waspaloy / Hastelloy / Invar / Monel / Incoloy	718 Inconel / A286	Titanium
				○	○					

HSS

CARBIDE

THREAD
MILLS

COMBO
TAPS

SPIRAL
FLUTE TAPS

SPIRAL
POINT TAPS

STRAIGHT
FLUTE TAPS

FORMING
TAPS

SCREW
THREAD
INSERT TAPS

PIPE TAPS

TECHNICAL
DATA

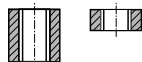


SCREW THREAD INSERT TAPS

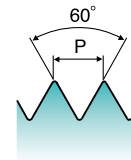
T7415 SERIES

METRIC SPIRAL POINT TAPS SCREW THREAD INSERT for General Purpose

Hole type 3.0×D



USCTI



GS
HSS
M MF
USCTI 322A
D2~D4
60°
4P~5P
Bright

SIZE	Pitch	Limit	No. of Flute	EDP No.
				Bright
M2	0.4	D2	2	T7415132
M2.5	0.45	D2	2	T7415172
M3	0.5	D2	3	T7415202
M4	0.7	D3	3	T7415243
M5	0.8	D3	3	T7415283
M6	1.0	D3	3	T7415313
M8	1.25	D3	3	T7415363
M10	1.5	D4	3	T7415424
M12	1.75	D4	3	T7415504

► For tapping depth on ANSI Length Taps, refer to MCTI 302 on page 499.

◎ : Excellent ○ : Good

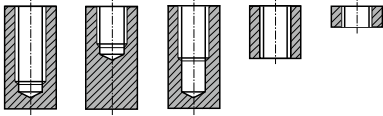
P				M				K		
Low carbon steels/ Free machining carbon steels	Medium to high carbon steels/ Low alloyed steels	Steel castings & forgings / Heat-treatable alloy steels	Alloyed tool steels / Mold steels	Free machining stainless steels	Heat and corrosion resistant stainless steels / Valve stainless steels	Stainless steel castings / Precipitation hardening stainless steels	Grey cast iron			
○	○						○			
K		N				S				
Nodular cast iron / Chilled cast iron / Meehanite iron / Ductile iron	Pure and alloyed copper	Free machining brass / Alloyed brass	Bronze	Pure Aluminum/ Aluminum alloy	Aluminum alloy castings	Zinc	Magnesium	718 & 625 INCO / Waspaloy / Hastelloy / Invar / Monel / Incoloy	718 Inconel / A286	Titanium
				○	○					

YG SCREW THREAD INSERT TAPS

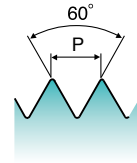
T7426 SERIES

STRAIGHT FLUTE TAPS SCREW THREAD INSERT for General Purpose

Hole type 2.0xD



USCTI



GS
HSS
UNC UNF
USCTI 322
H1~H4
60°
4P~5P Plug
1.5P~2P Bottoming
Bright

SIZE	Thread Per Inch		Limit	No. of Flute	EDP No.	
	UNC	UNF			Plug	Bottoming
#2	56	—	H2	3	T7426087	T7426088
#3	48	—	H2	3	T7426127	T7426128
#4	40	—	H1	3	T7426167H1	T7426168H1
#4	40	—	H2	3	T7426167	T7426168
#4	—	48	H2	3	T7426187	T7426188
#5	40	—	H2	3	T7426207	T7426208
#6	32	—	H2	3	T7426247H2	T7426248H2
#6	32	—	H3	3	T7426247	T7426248
#6	—	40	H2	3	T7426267	T7426268
#8	32	—	H2	3	T7426287H2	T7426288H2
#8	32	—	H3	3	T7426287	T7426288
#8	—	36	H2	3	T7426307	T7426308
#10	24	—	H2	3	T7426327H2	T7426328H2
#10	24	—	H3	3	T7426327	T7426328
#10	—	32	H2	3	T7426347H2	T7426348H2
#10	—	32	H3	3	T7426347	T7426348
1/4	20	—	H2	3	T7426407H2	T7426408H2
1/4	20	—	H3	3	T7426407	T7426408
1/4	—	28	H2	3	T7426427H2	T7426428H2
1/4	—	28	H3	3	T7426427	T7426428
5/16	18	—	H3	4	T7426447	T7426448
5/16	18	—	H4	4	T7426447H4	T7426448H4
5/16	—	24	H2	4	T7426467H2	T7426468H2
5/16	—	24	H3	4	T7426467	T7426468
3/8	16	—	H3	4	T7426487	T7426488
3/8	16	—	H4	4	T7426487H4	T7426488H4
3/8	—	24	H2	4	T7426507H2	T7426508H2
3/8	—	24	H3	4	T7426507	T7426508
7/16	14	—	H3	4	T7426527	T7426528
7/16	14	—	H4	4	T7426527H4	T7426528H4
7/16	—	20	H3	4	T7426547	T7426548
7/16	—	20	H4	4	T7426547H4	T7426548H4
1/2	13	—	H3	4	T7426567	T7426568
1/2	13	—	H4	4	T7426567H4	T7426568H4
1/2	—	20	H3	4	T7426587	T7426588
1/2	—	20	H4	4	T7426587H4	T7426588H4

► For tapping depth on ANSI Length Taps, refer to MCTI 302 on page 498.

◎ : Excellent ○ : Good

P				M				K		
Low carbon steels/ Free machining carbon steels	Medium to high carbon steels/ Low alloyed steels	Steel castings & forgings / Heat-treatable alloy steels	Alloyed tool steels / Mold steels	Free machining stainless steels	Heat-and corrosionresistant stainless steels / Valve stainless steels	Stainless steel castings / Precipitation hardening stainless steels	Grey cast iron		○	
○	○								○	
K		N				S				
Nodular cast iron / Chilled cast iron / Meehanite iron / Ductile iron	Pure and alloyed copper	Free machining brass / Alloyed brass	Bronze	Pure Aluminum/ Aluminum alloy	Aluminum alloy castings	Zinc	Magnesium	718 & 625 INCO / Waspaloy / Hastelloy / Invar / Monel / Incoloy	718 Inconel / A286	Titanium
				○	○					

CARBIDE

THREAD MILLS

COMBO TAPS

SPIRAL FLUTE TAPS

SPIRAL POINT TAPS

STRAIGHT FLUTE TAPS

FORMING TAPS

SCREW THREAD INSERT TAPS

PIPE TAPS

TECHNICAL DATA

HSS

CARBIDE

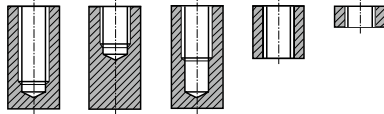


SCREW THREAD INSERT TAPS

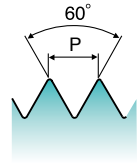
T7405 SERIES

METRIC STRAIGHT FLUTE TAPS SCREW THREAD INSERT for General Purpose

Hole type 2.0×D



USCTI



GS
HSS
M
USCTI 322A
D2~D4
4P~5P Plug
1.5P~2P Bottoming
60°
Bright

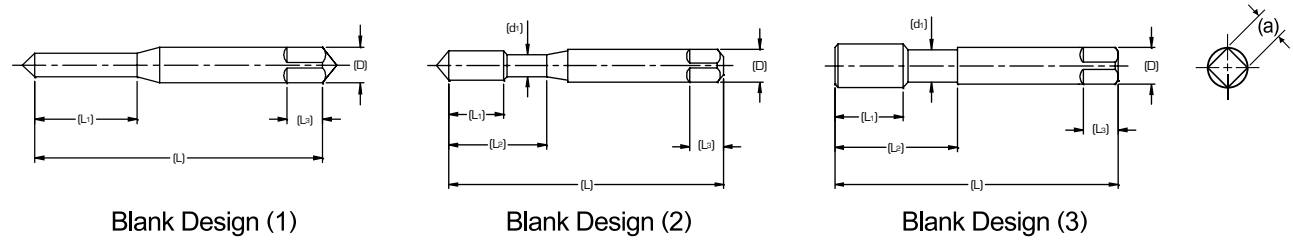
SIZE	Pitch	Limit	No. of Flute	EDP No.	
				Plug	Bottoming
M2	0.4	D2	2	T7405137	T7405138
M2.5	0.45	D2	2	T7405177	T7405178
M3	0.5	D2	3	T7405207	T7405208
M4	0.7	D3	3	T7405247	T7405248
M5	0.8	D3	3	T7405287	T7405288
M6	1.0	D3	3	T7405317	T7405318
M8	1.25	D3	3	T7405367	T7405368
M10	1.5	D4	3	T7405427	T7405428
M12	1.75	D4	3	T7405507	T7405508

► For tapping depth on ANSI Length Taps, refer to MCTI 302 on page 498.

◎ : Excellent ○ : Good

P				M				K		
Low carbon steels/ Free machining carbon steels	Medium to high carbon steels/ Low alloyed steels	Steel castings & forgings / Heat-treatable alloy steels	Alloyed tool steels / Mold steels	Free machining stainless steels	Heat and corrosion resistant stainless steels / Valve stainless steels	Stainless steel castings / Precipitation hardening stainless steels		Grey cast iron		
○	○							○		
K		N				S				
Nodular cast iron / Chilled cast iron / Meehanite iron / Ductile iron	Pure and alloyed copper	Free machining brass / Alloyed brass	Bronze	Pure Aluminum/ Aluminum alloy	Aluminum alloy castings	Zinc	Magnesium	718 & 625 INCO / Waspaloy / Hastelloy / Invar / Monel / Incoloy	718 Inconel / A286	Titanium
				○	○					

10 STI SPIRAL FLUTE & SPIRAL POINT TAP DIMENSION



STI Tap blank (Inch)

Nominal Size (STI)	Threads per Inch		Overall Length (L)	Thread Length		Neck Length (L ₂)	Shank Diameter (D)	Square Length (L ₃)	Square Size (a)	Blank Design No.	Table 302 Blank Equivalent
	UNC	UNF		SP	SF						
#2	56	-	1.88	.335	.236	.56	.141	.190	.110	1	No.4
#2		64	1.88	.335	.236	.56	.141	.190	.110	1	No.4
#3	48	-	1.94	.374	.236	.63	.141	.190	.110	1	No.5
#3		56	1.94	.374	.236	.63	.141	.190	.110	1	No.5
#4	40	-	2.00	.413	.276	.68	.141	.190	.110	1	No.6
#4		48	2.00	.413	.276	.68	.141	.190	.110	1	No.6
#5	40	-	2.13	.453	.276	.75	.168	.250	.131	1	No.8
#6	32	-	2.38	.531	.354	.88	.194	.250	.152	1	No.10
#6		40	2.13	.453	.276	.75	.168	.250	.131	1	No.8
#8	32	-	2.38	.571	.354	.94	.220	.280	.165	1	No.12
#8		36	2.38	.571	.354	.94	.220	.280	.165	1	No.12
#10	24	-	2.50	.591	.433	1.0	.255	.310	.191	2	1/4
#10		32	2.50	.591	.433	1.0	.255	.310	.191	2	1/4
#12	24	-	2.72	.669	.472	1.13	.318	.380	.238	2	5/16
1/4	20	-	2.72	.669	.472	1.13	.318	.380	.238	2	5/16
1/4		28	2.72	.669	.472	1.13	.318	.380	.238	2	5/16
5/16	18	-	2.94	.748	.551	1.25	.381	.440	.286	2	3/8
5/16		24	2.94	.748	.551	1.25	.381	.440	.286	2	3/8
3/8	16	-	3.38	.984	.630	1.66	.367	.440	.275	3	1/2
3/8		24	3.16	.866	.591	1.44	.323	.410	.242	3	7/16
7/16	14	-	3.59	.984	.709	1.66	.429	.500	.322	3	9/16
7/16		20	3.38	.984	.630	1.66	.367	.440	.275	3	1/2
1/2	13	-	3.81	1.083	.748	1.81	.480	.560	.360	3	5/8
1/2		20	3.59	.984	.709	1.66	.429	.500	.322	3	9/16

STI Tap blank (Metric)

Nominal Size (STI)	Thread Pitch (mm)	Overall Length (L)	Thread Length		Neck Length (L ₂)	Shank Diameter (D)	Square Length (L ₃)	Square Size (a)	Blank Design No.	Table 302 Blank Equivalent
			SP	SF						
M2	0.4	1.81	.295	.236	.56	.141	.190	.110	1	No.3
M2.5	0.45	1.94	.374	.197	.63	.141	.190	.110	1	No.5
M3	0.5	2.00	.413	.276	.69	.141	.190	.110	1	No.6
M4	0.7	2.38	.531	.354	.93	.194	.250	.152	1	No.10
M5	0.8	2.50	.591	.433	1.0	.255	.310	.191	2	1/4
M6	1	2.72	.669	.433	1.13	.318	.380	.238	2	5/16
M8	1.25	2.94	.748	.512	1.25	.381	.440	.286	2	3/8
M10	1.5	3.38	.984	.591	2.07	.367	.440	.275	3	1/2
M12	1.75	3.59	.984	.709	2.07	.429	.500	.322	3	9/16