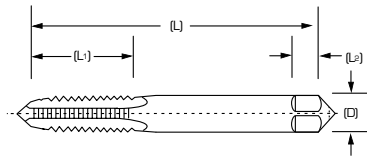
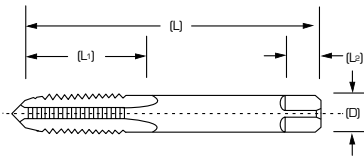
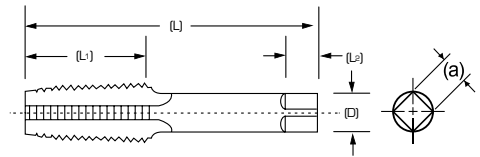



STI STRAIGHT TAP DIMENSION


Blank Design (1)



Blank Design (2)



Blank Design (3)

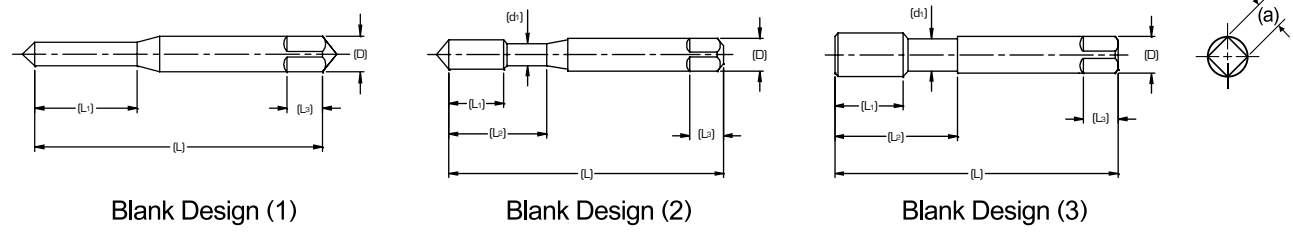
STI Tap blank (Inch)

| Nominal Size (STI) | Threads per Inch | | Overall Length (L) | Thread Length (L ₂) | Shank Diameter (D) | Square Length (L ₃) | Square Size (a) | Blank Design No. | Table 302 Blank Equivalent |
|--------------------|------------------|-----|-----------------------|------------------------------------|-----------------------|------------------------------------|--------------------|------------------|----------------------------|
| | UNC | UNF | | | | | | | |
| #2 | 56 | - | 1.88 | .560 | .141 | .190 | .110 | 1 | No.4 |
| #2 | | 64 | 1.88 | .560 | .141 | .190 | .110 | 1 | No.4 |
| #3 | 48 | - | 1.94 | .630 | .141 | .190 | .110 | 1 | No.5 |
| #3 | | 56 | 1.94 | .630 | .141 | .190 | .110 | 1 | No.5 |
| #4 | 40 | - | 2.00 | .690 | .141 | .190 | .110 | 1 | No.6 |
| #4 | | 48 | 2.00 | .690 | .141 | .190 | .110 | 1 | No.6 |
| #5 | 40 | - | 2.13 | .750 | .168 | .250 | .131 | 1 | No.8 |
| #6 | 32 | - | 2.38 | .880 | .194 | .250 | .152 | 1 | No.10 |
| #6 | | 40 | 2.13 | .750 | .168 | .250 | .131 | 1 | No.8 |
| #8 | 32 | - | 2.38 | .940 | .220 | .280 | .165 | 1 | No.12 |
| #8 | | 36 | 2.38 | .940 | .220 | .280 | .165 | 1 | No.12 |
| #10 | 24 | - | 2.50 | 1.000 | .255 | .310 | .191 | 2 | 1/4 |
| #10 | | 32 | 2.50 | 1.000 | .255 | .310 | .191 | 2 | 1/4 |
| #12 | 24 | - | 2.72 | 1.130 | .318 | .380 | .238 | 2 | 5/16 |
| 1/4 | 20 | - | 2.72 | 1.130 | .318 | .380 | .238 | 2 | 5/16 |
| 1/4 | | 28 | 2.72 | 1.130 | .318 | .380 | .238 | 2 | 5/16 |
| 5/16 | 18 | - | 2.94 | 1.250 | .381 | .440 | .286 | 2 | 3/8 |
| 5/16 | | 24 | 2.94 | 1.250 | .381 | .440 | .286 | 2 | 3/8 |
| 3/8 | 16 | - | 3.38 | 1.660 | .367 | .440 | .275 | 3 | 1/2 |
| 3/8 | | 24 | 3.16 | 1.440 | .323 | .410 | .242 | 3 | 7/16 |
| 7/16 | 14 | - | 3.59 | 1.660 | .429 | .500 | .322 | 3 | 9/16 |
| 7/16 | | 20 | 3.38 | 1.660 | .367 | .440 | .275 | 3 | 1/2 |
| 1/2 | 13 | - | 3.81 | 1.810 | .480 | .560 | .360 | 3 | 5/8 |
| 1/2 | | 20 | 3.59 | 1.660 | .429 | .500 | .322 | 3 | 9/16 |

STI Tap blank (Metric)

| Nominal Size (STI) | Thread Pitch (mm) | Overall Length (L) | Thread Length (L ₂) | Shank Diameter (D) | Square Length (L ₃) | Square Size (a) | Blank Design No. | Table 302 Blank Equivalent |
|--------------------|-------------------|-----------------------|------------------------------------|-----------------------|------------------------------------|--------------------|------------------|----------------------------|
| | | | | | | | | |
| M2.5 | 0.45 | 1.94 | .630 | .141 | .190 | .110 | 1 | No.5 |
| M3 | 0.5 | 2.00 | .690 | .141 | .190 | .110 | 1 | No.6 |
| M4 | 0.7 | 2.38 | .880 | .194 | .250 | .152 | 1 | No.10 |
| M5 | 0.8 | 2.50 | 1.000 | .255 | .310 | .191 | 2 | 1/4 |
| M6 | 1 | 2.72 | 1.130 | .318 | .380 | .238 | 2 | 5/16 |
| M8 | 1.25 | 2.94 | 1.250 | .381 | .440 | .286 | 2 | 3/8 |
| M10 | 1.5 | 3.38 | 1.660 | .367 | .440 | .275 | 3 | 1/2 |
| M12 | 1.75 | 3.59 | 1.660 | .429 | .500 | .322 | 3 | 9/16 |

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 |