

## HAND TAPS (CONT.)

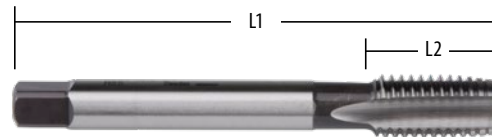
| Thread Size | Thread Form     | No. of Flutes | L2"     | L1"     | Limits | Taper Model No. | Plug Model No. | Bottoming Model No. | Price /Each | Sets   | Price /Each |
|-------------|-----------------|---------------|---------|---------|--------|-----------------|----------------|---------------------|-------------|--------|-------------|
| 9/16"-18    | Unified Fine    | 4             | 1-21/32 | 3-19/32 | H3     | TCQ259          | TCQ343         | TCQ423              | 36.20       | TCQ476 | 108.00      |
| 5/8"-11     | Unified Coarse  | 4             | 1-13/16 | 3-13/16 | H3     | TCQ260          | TCQ344         | TCQ424              | 43.70       | TCQ477 | 131.00      |
| 5/8"-18     | Unified Fine    | 4             | 1-13/16 | 3-13/16 | H3     | TCQ261          | TCQ345         | TCQ425              | 43.70       | TCQ478 | 131.00      |
| 11/16"-11   | Unified Special | 4             | 1-13/16 | 4-1/32  | H3     | -               | -              | -                   | -           | TCQ479 | 164.00      |
| 11/16"-16   | Unified Special | 4             | 1-13/16 | 4-1/32  | H3     | -               | -              | -                   | -           | TCQ480 | 164.00      |
| 3/4"-10     | Unified Coarse  | 4             | 2       | 4-1/4   | H3     | TCQ262          | TCQ346         | TCQ426              | 62.00       | TCQ481 | 185.00      |
| 3/4"-16     | Unified Fine    | 4             | 2       | 4-1/4   | H3     | TCQ263          | TCQ347         | TCQ427              | 62.00       | TCQ482 | 185.00      |
| 7/8"-9      | Unified Coarse  | 4             | 2-7/32  | 4-11/16 | H4     | TCQ264          | TCQ348         | TCQ428              | 84.70       | TCQ483 | 255.00      |
| 7/8"-14     | Unified Fine    | 4             | 2-7/32  | 4-11/16 | H4     | TCQ265          | TCQ349         | TCQ429              | 84.70       | TCQ484 | 255.00      |
| 1"-8        | Unified Coarse  | 4             | 2-1/2   | 5-1/8   | H4     | TCQ266          | TCQ350         | TCQ430              | 114.00      | TCQ485 | 339.00      |
| 1"-12       | Unified Fine    | 4             | 2-1/2   | 5-1/8   | H4     | TCQ267          | TCQ351         | TCQ431              | 115.00      | TCQ486 | 339.00      |
| 1"-14       | Unified Special | 4             | 2-1/2   | 5-1/8   | H4     | TCQ268          | TCQ352         | TCQ432              | 114.00      | TCQ487 | 339.00      |
| 1-1/8"-7    | Unified Coarse  | 4             | 2-9/16  | 5-7/16  | H4     | TCQ269          | TCQ353         | TCQ433              | 182.00      | TCQ488 | 539.00      |
| 1-1/8"-12   | Unified Fine    | 4             | 2-9/16  | 5-7/16  | H4     | TCQ270          | TCQ354         | TCQ434              | 196.00      | TCQ489 | 579.00      |
| 1-1/4"-7    | Unified Coarse  | 4             | 2-9/16  | 5-3/4   | H4     | TCQ271          | TCQ355         | TCQ435              | 239.00      | TCQ490 | 709.00      |
| 1-1/4"-12   | Unified Fine    | 6             | 2-9/16  | 5-3/4   | H4     | TCQ272          | TCQ356         | TCQ436              | 244.00      | TCQ491 | 719.00      |
| 1-3/8"-6    | Unified Coarse  | 4             | 3       | 6-1/16  | H4     | TCQ273          | TCQ357         | TCQ437              | 299.00      | TCQ492 | 899.00      |
| 1-3/8"-12   | Unified Fine    | 6             | 3       | 6-1/16  | H4     | TCQ274          | TCQ358         | TCQ438              | 299.00      | TCQ493 | 909.00      |
| 1-1/2"-6    | Unified Coarse  | 4             | 3       | 6-3/8   | H4     | TCQ275          | TCQ359         | TCQ439              | 339.00      | TCQ494 | 1039.00     |
| 1-1/2"-12   | Unified Fine    | 6             | 3       | 6-3/8   | H4     | TCQ276          | TCQ360         | TCQ440              | 349.00      | TCQ495 | 1059.00     |

## HAND TAPS

## E500 SERIES

- Versatile tap that can be used for both hand or machine tapping in a wide variety of materials
- Bright finish improves chip flow in soft or non-ferrous materials
- Material: High Speed Steel
- Manufacturing Standards: ISO 529
- Tolerance: 6H
- Cutting Direction: Right Hand

**Note:** ISO shank and square dimensions require metric holders



| Thread Size | Thread Form   | No. of Flutes | L2 mm | L1 mm | Taper Model No. | Plug Model No. | Bottoming Model No. | Price /Each | Sets   | Price /Each |
|-------------|---------------|---------------|-------|-------|-----------------|----------------|---------------------|-------------|--------|-------------|
| M1 x 0.25   | Metric Coarse | 2             | 4.5   | 38    | TCQ069          | TCQ111         | TCQ153              | 85.90       | -      | -           |
| M1.2 x 0.25 | Metric Coarse | 2             | 4.5   | 38    | TCQ070          | TCQ112         | TCQ154              | 73.50       | -      | -           |
| M1.4 x 0.3  | Metric Coarse | 2             | 6     | 40    | TCQ071          | TCQ113         | TCQ155              | 57.80       | -      | -           |
| M1.6 x 0.35 | Metric Coarse | 2             | 8     | 41    | TCQ072          | TCQ114         | TCQ156              | 33.10       | TCQ197 | 98.90       |
| M1.7 x 0.35 | Metric Coarse | 2             | 8     | 41    | TCQ073          | TCQ115         | TCQ157              | 39.40       | TCQ198 | 118.00      |
| M1.8 x 0.35 | Metric Coarse | 2             | 8     | 41    | TCQ074          | TCQ116         | TCQ158              | 39.00       | -      | -           |
| M2 x 0.4    | Metric Coarse | 3             | 8     | 41    | TCQ078          | TCQ120         | TCQ162              | 25.30       | TCQ202 | 76.00       |
| M2 x 0.45   | Metric Coarse | 3             | 8     | 41    | TCQ079          | TCQ121         | TCQ163              | 66.70       | -      | -           |
| M2.2 x 0.45 | Metric Coarse | 3             | 9.5   | 44.5  | TCQ080          | TCQ122         | TCQ164              | 32.70       | -      | -           |
| M2.3 x 0.45 | Metric Coarse | 3             | 9.5   | 44.5  | TCQ081          | TCQ123         | TCQ165              | 30.50       | -      | -           |
| M2.5 x 0.45 | Metric Coarse | 3             | 9.5   | 44.5  | TCQ082          | TCQ124         | TCQ166              | 24.60       | TCQ203 | 72.90       |
| M2.6 x 0.45 | Metric Coarse | 3             | 9.5   | 44.5  | TCQ083          | TCQ125         | TCQ167              | 32.20       | -      | -           |
| M3 x 0.5    | Metric Coarse | 3             | 12.5  | 48    | TCQ084          | TCQ126         | TCQ168              | 11.90       | TCQ204 | 35.50       |
| M3 x 0.6    | Metric Coarse | 3             | 12.5  | 48    | TCQ085          | TCQ127         | TCQ169              | 22.60       | -      | -           |
| M3.5 x 0.6  | Metric Coarse | 3             | 14    | 50    | TCQ086          | TCQ128         | TCQ170              | 10.80       | TCQ205 | 32.20       |
| M4 x 0.7    | Metric Coarse | 3             | 14    | 53    | TCQ087          | TCQ129         | TCQ171              | 10.80       | TCQ206 | 32.20       |
| M4 x 0.75   | Metric Coarse | 3             | 14    | 53    | TCQ088          | TCQ130         | TCQ172              | 22.10       | -      | -           |
| M4.5 x 0.75 | Metric Coarse | 3             | 9.5   | 53    | TCQ089          | TCQ131         | TCQ173              | 10.80       | TCQ207 | 32.20       |
| M5 x 0.8    | Metric Coarse | 3             | 11    | 58    | TCQ090          | TCQ132         | TCQ174              | 10.80       | TCQ208 | 32.20       |
| M5 x 0.9    | Metric Coarse | 3             | 11    | 58    | TCQ091          | TCQ133         | TCQ175              | 23.60       | -      | -           |
| M5.5 x 0.9  | Metric Coarse | 3             | 12    | 62    | TCQ092          | TCQ134         | TCQ176              | 11.60       | -      | -           |
| M6 x 1      | Metric Coarse | 3             | 13    | 66    | TCQ093          | TCQ135         | TCQ177              | 11.40       | TCQ209 | 34.20       |
| M7 x 1      | Metric Coarse | 3             | 13    | 66    | TCQ094          | TCQ136         | TCQ178              | 12.40       | TCQ210 | 37.10       |
| M8 x 1.25   | Metric Coarse | 3             | 16    | 72    | TCQ095          | TCQ137         | TCQ179              | 12.40       | TCQ211 | 37.10       |
| M9 x 1.25   | Metric Coarse | 3             | 16    | 72    | TCQ096          | TCQ138         | TCQ180              | 16.10       | TCQ212 | 48.30       |
| M10 x 1.5   | Metric Coarse | 3             | 18    | 80    | TCQ075          | TCQ117         | TCQ159              | 23.30       | TCQ199 | 69.80       |
| M11 x 1.5   | Metric Coarse | 3             | 19    | 85    | TCQ076          | TCQ118         | TCQ160              | 23.30       | TCQ200 | 69.80       |
| M12 x 1.75  | Metric Coarse | 3             | 22    | 89    | TCQ077          | TCQ119         | TCQ161              | 27.40       | TCQ201 | 82.20       |
| M14 x 2     | Metric Coarse | 4             | 24    | 95    | TCQ097          | TCQ139         | TCQ181              | 40.80       | TCQ213 | 123.00      |
| M16 x 2     | Metric Coarse | 4             | 24    | 102   | TCQ098          | TCQ140         | TCQ182              | 50.00       | TCQ214 | 150.00      |
| M18 x 2.5   | Metric Coarse | 4             | 29    | 112   | TCQ099          | TCQ141         | TCQ183              | 66.70       | TCQ215 | 202.00      |
| M20 x 2.5   | Metric Coarse | 4             | 29    | 112   | TCQ100          | TCQ142         | TCQ184              | 91.40       | TCQ216 | 275.00      |
| M22 x 2.5   | Metric Coarse | 4             | 29    | 118   | TCQ101          | TCQ143         | TCQ185              | 100.10      | TCQ217 | 299.00      |
| M24 x 3     | Metric Coarse | 4             | 35    | 130   | TCQ102          | TCQ144         | TCQ186              | 122.00      | TCQ218 | 359.00      |
| M27 x 3     | Metric Coarse | 4             | 35    | 135   | TCQ103          | TCQ145         | TCQ187              | 216.00      | -      | -           |
| M30 x 3.5   | Metric Coarse | 4             | 41    | 138   | TCQ104          | TCQ146         | TCQ188              | 284.00      | -      | -           |
| M33 x 3.5   | Metric Coarse | 4             | 41    | 151   | TCQ105          | TCQ147         | TCQ189              | 369.00      | -      | -           |
| M36 x 4     | Metric Coarse | 4             | 47    | 162   | TCQ106          | TCQ148         | TCQ190              | 409.00      | -      | -           |
| M39 x 4     | Metric Coarse | 4             | 47    | 170   | TCQ107          | TCQ149         | TCQ191              | 449.00      | -      | -           |
| M42 x 4.5   | Metric Coarse | 6             | 53    | 170   | TCQ108          | TCQ150         | TCQ192              | 579.00      | -      | -           |
| M45 x 4.5   | Metric Coarse | 6             | 54    | 187   | TCQ109          | TCQ151         | TCQ193              | 789.00      | -      | -           |
| M48 x 5     | Metric Coarse | 6             | 60    | 187   | TCQ110          | TCQ152         | TCQ194              | 839.00      | -      | -           |
| M52 x 5     | Metric Coarse | 6             | 60    | 200   | -               | -              | TCQ195              | 959.00      | -      | -           |
| M56 x 5.5   | Metric Coarse | 6             | 60    | 200   | -               | -              | TCQ196              | 1059.00     | -      | -           |