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Blue, Red, Yellow & Green Ring Taps

Yellow Ring – For high tensile materials: Tool Steels, Titanium, Nickel Alloys

Red Ring – For high tensile materials: Tool Steels, Titanium, Nickel Alloys

Blue Ring – For general ductile materials: Low & Medium Carbon Steel, Brass, Copper & Cast Iron, Aluminum

Green Ring – For non-ferrous materials: Pure/low Aluminum, Die Cast Aluminum, Steels

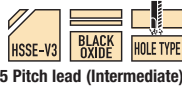
Yellow Ring HSSE-V3 Spiral Point Taps

HSSE-V3% Vanadium

- Superior performance in hardened tool steels such as 4140, 4340, H13, D2.
- Up to 35 HRC



Designed for high-speed tapping applications. Developed to withstand the high stress and high heat associated with high-speed CNC production tapping. Features a unique free-cutting design with a special tempering and geometry which contributes to extra tool life.



| Tap | No. Flutes | Thread Limits | Overall Length (in.) | Thread Length (in.) | Code No. | Price \$ |
|---------------|------------|---------------|----------------------|---------------------|----------|----------|
| Inch | | | | | | |
| 7/16-14 | 3 | H5 | 3-5/32 | 0.866 | 122576 | 25.54 |
| 7/16-20 | 3 | H5 | 3-5/32 | 0.866 | 122578 | 25.54 |
| 5/16-24 | 3 | H7 | 2-23/32 | 0.748 | 122664 | 16.24 |
| 3/8-24 | 3 | H7 | 2-15/16 | 0.748 | 122668 | 19.58 |
| Metric | | | | | | |
| M2.5 x .45 | 2 | D3 | 1-13/16 | 0.512 | 123504 | 12.95 |
| M8 x 1 | 3 | D5 | 2-23/32 | 0.748 | 123512 | 13.05 |
| M14 x 1.5 | 3 | D7 | 3-19/32 | 0.984 | 123519 | 30.67 |

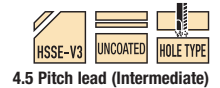
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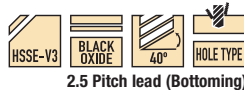


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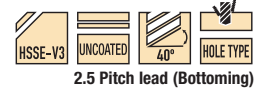
| Tap | No. Flutes | Thread Limits | Overall Length (in.) | Thread Length (in.) | Code No. | Price \$ |
|---------------|------------|---------------|----------------------|---------------------|----------|----------|
| Inch | | | | | | |
| 6-40 | 3 | H3 | 2 | 0.512 | 123334B | 2.99 |
| 1-1/8-12 | 4 | H4 | 5-7/16 | 1.732 | 123365B | 50.99 |
| Metric | | | | | | |
| M8 x 1 | 3 | D5 | 2-23/32" | 0.748 | 123512B | 3.99 |
| M14 x 1.5 | 3 | D7 | 3-19/32" | 0.984 | 123519B | 9.99 |

Yellow Ring HSSE-V3 Spiral Flute Taps



| Tap | No. Flutes | Thread Limits | Overall Length (in.) | Thread Length (in.) | Code No. | Price \$ |
|-------------|------------|---------------|----------------------|---------------------|----------|----------|
| Inch | | | | | | |
| 1/4-20 | 3 | H5 | 2-1/2 | 0.500 | 122516 | 14.08 |
| 7/16-20 | 3 | H5 | 3-5/32 | 0.714 | 122530 | 29.68 |
| 3/8-24 | 3 | H7 | 2-15/16 | 0.625 | 122618 | 22.20 |

Yellow Ring HSSE-V3 Spiral Flute Taps



| Tap | No. Flutes | Thread Limits | Overall Length (in.) | Thread Length (in.) | Code No. | Price \$ |
|---------------|------------|---------------|----------------------|---------------------|----------|----------|
| Inch | | | | | | |
| 1/4-28 | 3 | H3 | 2-1/2 | 0.500 | 123384B | 3.99 |
| 5/16-24 | 3 | H3 | 2-23/32 | 0.556 | 123386B | 4.99 |
| 3/8-24 | 3 | H3 | 2-15/16 | 0.625 | 123388B | 5.99 |
| 7/16-14 | 3 | H3 | 3-5/32 | 0.714 | 123378B | 6.99 |
| 3/4-10 | 4 | H3 | 4-1/4 | 1.000 | 123454B | 20.99 |
| 1-1/8-7 | 4 | H4 | 5-7/16 | 1.429 | 123471B | 50.99 |
| Metric | | | | | | |
| M7 x 1 | 3 | D5 | 2-23/32 | 0.394 | 123657B | 4.99 |
| M16 x 2 | 3 | D7 | 3-13/16 | 0.787 | 123669B | 12.99 |
| M22 x 2.5 | 4 | D6 | 4-11/16 | 0.984 | 123675B | 29.99 |

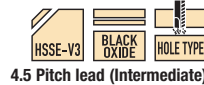
Red Ring P-HSS Spiral Point Taps

P-HSS - Powdered Metal

Powdered Metal taps offer superior toughness and lubricity and are made of premium-grade, super hard powder high speed steel. These taps have a special geometry for tougher applications.



- Used for heat resistant materials, titanium alloys as well as other high tensile steels and alloys including tool steel and nickel alloys
- Up to 48 HRC



| Tap | No. Flutes | Thread Limits | Overall Length (in.) | Thread Length (in.) | Code No. | Price \$ |
|---------------|------------|---------------|----------------------|---------------------|----------|----------|
| Inch | | | | | | |
| 5-40 | 3 | H2 | 1-15/16 | 0.433 | 124105 | 23.11 |
| 6-32 | 3 | H3 | 2 | 0.512 | 124110 | 19.31 |
| 10-24 | 3 | H3 | 2-3/8 | 0.512 | 124120 | 19.76 |
| 3/8-16 | 3 | H3 | 2-15/16 | 0.748 | 124150 | 31.41 |
| 5/8-18 | 3 | H3 | 3-13/16 | 1.102 | 124185 | 78.14 |
| Metric | | | | | | |
| M3 x 0.5 | 3 | D3 | 1-15/16 | 0.433 | 124500 | 26.62 |
| M3 X 0.5 | 3 | - | 2 | 0.5 | 124501 | 8.99 |

Red Ring P-HSS Spiral Flute Taps

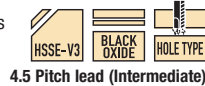


| Tap | No. Flutes | Thread Limits | Overall Length (in.) | Thread Length (in.) | Code No. | Price \$ |
|---------------|------------|---------------|----------------------|---------------------|----------|----------|
| Inch | | | | | | |
| 4-40 | 2 | H2 | 1-7/8 | 0.250 | 124250 | 30.59 |
| 10-32 | 3 | H3 | 2-3/8 | 0.417 | 124270 | 25.72 |
| Metric | | | | | | |
| M3 x .5 | 3 | D3 | 1-15/16 | 0.197 | 124550 | 33.66 |

Blue Ring HSSE-V3 Spiral Point Taps

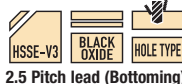
Designed for high-speed tapping applications. Developed to withstand the high stress and high heat associated with high-speed CNC production or conventional tapping. Features a unique free-cutting design with a special tempering and geometry which contributes to extra tool life.

- Used in general machine tapping applications for mild carbon steels such as 1018, 1010, 1035, 1045, 1050 and 1065
- Up to 25 HRC



| Tap | Threads Per Inch | No. of Flutes | Thread Limits | Overall Length (in.) | Thread Length | Code No. | Price \$ |
|---------------|------------------|---------------|---------------|----------------------|---------------|----------|----------|
| Inch | | | | | | | |
| 4 | 40 | 2 | H2 | 1-7/8 | 0.433 | 119700 | 7.22 |
| 6 | 40 | 3 | H2 | 2 | 0.512 | 119722 | 6.95 |
| 8 | 32 | 3 | H3 | 2-1/8 | 0.512 | 119702 | 6.04 |
| 10 | 24 | 2 | H3 | 2-3/8 | 0.512 | 119703 | 6.52 |
| 10 | 24 | 3 | H3 | 2-3/8 | 0.512 | 119704 | 6.52 |
| 10 | 32 | 3 | H3 | 2-3/8 | 0.512 | 119724 | 6.52 |
| 1/4 | 20 | 3 | H3 | 2-1/2 | 0.630 | 119707 | 7.48 |
| 1/4 | 28 | 2 | H3 | 2-1/2 | 0.630 | 119725 | 7.48 |
| 5/16 | 18 | 2 | H3 | 2-23/32 | 0.748 | 119708 | 10.53 |
| 5/16 | 24 | 3 | H3 | 2-23/32 | 0.748 | 119728 | 10.53 |
| 3/8 | 16 | 2 | H3 | 2-15/16 | 0.748 | 119710 | 10.37 |
| 3/8 | 16 | 3 | H3 | 2-15/16 | 0.748 | 119711 | 10.37 |
| 5/8 | 18 | 3 | H3 | 3-13/16 | 1.102 | 119733 | 46.20 |
| 1-3/8 | 6 | 4 | H4 | 6-1/16 | 2.000 | 119720 | 262.85 |
| 1-1/2 | 12 | 4 | H4 | 6-3/8 | 2.000 | 119740 | 337.12 |
| Metric | | | | | | | |
| M3 x .5 | | 3 | D3 | 1-15/16 | 0.433 | 119752 | 9.93 |
| M4 x .7 | | 3 | D4 | 2-1/8 | 0.512 | 119754 | 8.57 |
| M4.5 x .75 | | 3 | D4 | 2-3/8 | 0.512 | 119755 | 11.73 |
| M8 x 1 | | 3 | D5 | 2-23/32 | 0.748 | 119759 | 12.09 |
| M10 x 1.25 | | 3 | D5 | 2-15/16 | 0.748 | 119761 | 13.54 |
| M10 x 1.5 | | 3 | D6 | 2-15/16 | 0.748 | 119762 | 16.42 |
| M14 x 1.5 | | 3 | D6 | 3-19/32 | 0.984 | 119765 | 37.27 |
| M14 x 2 | | 3 | D7 | 3-19/32 | 0.984 | 119766 | 37.27 |
| M16 x 1.5 | | 3 | D6 | 3-13/16 | 1.102 | 119767 | 37.54 |
| M22 x 1.5 | | 3 | D6 | 4-11/16 | 1.339 | 119773 | 90.41 |
| M27 x 1.5 | | 4 | D7 | 5-1/8 | 1.181 | 119777 | 171.72 |
| M30 x 1.5 | | 4 | D7 | 5-7/16 | 1.378 | 119779 | 199.87 |

Blue Ring HSSE-V3 Spiral Flute Taps

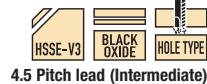


| Tap | Threads Per Inch | No. of Flutes | Thread Limits | Overall Length (in.) | Thread Length | Code No. | Price \$ |
|---------------|------------------|---------------|---------------|----------------------|---------------|----------|----------|
| Inch | | | | | | | |
| 4 | 40 | 2 | H2 | 1-7/8 | 0.433 | 119800 | 12.54 |
| 10 | 24 | 3 | H3 | 2-3/8 | 0.512 | 119803 | 10.20 |
| 10 | 32 | 3 | H3 | 2-3/8 | 0.512 | 119817 | 10.20 |
| 1/4 | 20 | 3 | H3 | 2-3/8 | 0.630 | 119804 | 11.10 |
| 1/4 | 28 | 3 | H3 | 2-1/2 | 0.630 | 119818 | 11.10 |
| 3/8 | 16 | 3 | H3 | 2-23/32 | 0.748 | 119806 | 15.79 |
| 1-1/8 | 7 | 4 | H4 | 5-7/16 | 1.732 | 119813 | 171.72 |
| 1-3/8 | 12 | 4 | H4 | 6-1/16 | 2.000 | 119828 | 262.85 |
| Metric | | | | | | | |
| M3 x .5 | | 3 | D3 | 1-15/16 | 0.433 | 119840 | 14.44 |
| M3.5 x .6 | | 3 | D4 | 2 | 0.512 | 119841 | 9.83 |
| M6 x 1 | | 3 | D5 | 2-1/2 | 0.630 | 119844 | 12.73 |
| M7 x 1 | | 3 | D5 | 2-23/32 | 0.630 | 119845 | 12.09 |
| M10 x 1.25 | | 3 | D5 | 2-15/16 | 0.748 | 119848 | 13.54 |
| M10 x 1.5 | | 3 | D6 | 2-15/16 | 0.748 | 119849 | 27.17 |
| M12 x 1.75 | | 3 | D6 | 3-3/8 | 0.945 | 119851 | 32.58 |
| M18 x 2.5 | | 4 | D7 | 4-1/32 | 1.102 | 119857 | 58.47 |
| M22 x 1.5 | | 4 | D6 | 4-11/16 | 1.339 | 119860 | 100.70 |
| M24 x 3 | | 4 | D7 | 4-29/32 | 1.339 | 119863 | 135.98 |

HSSE-V3 + 0.005" Spiral Point Taps

- Steam oxide
- ANSI

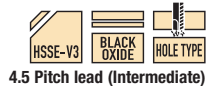
Features a unique free-cutting design with a special tempering and geometry which contributes to extra tool life.



| Tap | Threads per Inch | No. of Flutes | Overall Length (in.) | Thread Length | Code No. | Price \$ |
|-------------|------------------|---------------|----------------------|---------------|----------|----------|
| Inch | | | | | | |
| 6 | 32 | 3 | 2 | 0.512 | 119925 | 11.10 |
| 5/16 | 24 | 3 | 2-23/32 | 0.748 | 119935 | 15.70 |
| 3/8 | 16 | 3 | 2-15/16 | 0.748 | 119929 | 11.91 |
| 3/8 | 24 | 3 | 2-15/16 | 0.748 | 119936 | 11.91 |
| 7/16 | 14 | 3 | 3-5/32 | 0.866 | 119930 | 17.60 |
| 1/2 | 13 | 3 | 3-3/8 | 0.945 | 119931 | 21.30 |
| 1/2 | 20 | 3 | 3-3/8 | 0.945 | 119938 | 21.30 |
| 5/8 | 11 | 3 | 3-13/16 | 1.102 | 119932 | 36.37 |

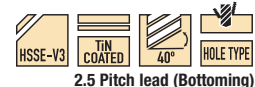
Blue-Gold HSSE-V3 Spiral Point Taps

Blue Gold Titanium Nitride Taps can provide an increase in tool life of 2 to 6 times depending on the application. The extremely hard and durable surface and high lubricity delivers long tool life, reduces friction and galling allowing higher speeds for higher productivity and less down time.



| Tap | No. of Flutes | Thread Limits | Overall Length (in.) | Thread Length | Code No. | Price \$ |
|-------------|---------------|---------------|----------------------|---------------|----------|----------|
| Inch | | | | | | |
| 1/4-28 | 3 | H3 | 2-1/2 | 0.630 | 119884 | 5.99 |
| 5/8-11 | 3 | H3 | 3-13/16 | 1.102 | 119879 | 20.99 |
| 3/4-10 | 3 | H3 | 4-1/4 | 1.220 | 119880 | 38.99 |

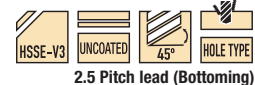
Blue-Gold HSSE-V3 Spiral Flute Taps



| Tap | No. of Flutes | Thread Limits | Overall Length (in.) | Thread Length | Code No. | Price \$ |
|-------------|---------------|---------------|----------------------|---------------|----------|----------|
| Inch | | | | | | |
| 10-24 | 3 | H3 | 2-3/8 | 0.413 | 119903 | 5.99 |
| 5/16-24 | 3 | H3 | 2-23/32 | 0.551 | 119915 | 7.99 |
| 3/8-24 | 3 | H3 | 2-15/16 | 0.630 | 119916 | 9.99 |
| 1/2-13 | 3 | H3 | 3-3/8 | 0.768 | 119908 | 62.08 |

HSSE-V3 S.T.I. 45° Spiral Flute Taps

STI taps combine special geometry & surface finish for tapping in Aluminum and other non-ferrous materials for screw thread insert applications.



| Tap | No. of Flutes | Overall Length (in.) | Thread Length (in.) | Code No. | Price \$ |
|-------------|---------------|----------------------|---------------------|----------|----------|
| Inch | | | | | |
| 10-24 | 2 | 2-3/8 | 0.417 | 124056 | 11.15 |
| 3/8-24 | 2 | 2-15/16 | 0.625 | 124070 | 18.13 |