


Shark Taps




FOR STRUCTURAL, PLAIN CARBON & LOW ALLOY STEELS

- SURFACE TREATMENT**
 TiAlN-Top coating with an additional edge treatment.
- FLUTE GEOMETRY**
 Available in spiral point for through holes and spiral flute (40° angle) for blind holes. Special flute geometry on Yellow Shark spiral flute taps prevents nest formation of chips, reducing the risk of re-cutting chips on reversal.



FOR STAINLESS STEELS

- SURFACE TREATMENT**
 Super-B (TiAlN + WC/C) coating with an additional edge treatment.
- FLUTE GEOMETRY**
 Available in spiral point for through holes and spiral flute (40° angle) for blind holes.
- BACK TAPERED**
 The back taper on the E812, E912, E628 and E768 spiral flute Blue Shark facilitates chip evacuation, reducing chipping on the last threads of the taps and also reducing torque when the tap reverses.

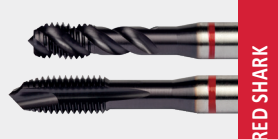


FOR CAST IRONS

- SURFACE TREATMENT**
 TiAlN-Top coating.
- FLUTE GEOMETRY**
 Straight flute design gives excellent performance when threading both through and blind holes in short chipping materials.
- INTERNAL COOLANT WITH AXIAL OUTLET**
 Reduces interruptions of the production process by providing optimum chip evacuation in both horizontal and vertical blind hole machining.


Internal coolant with axial coolant outlet
(White Shark Form E taps only):

- Improved tool life
- Optimum chip evacuation when threading short chipping materials
- Extremely beneficial in horizontal blind hole machining



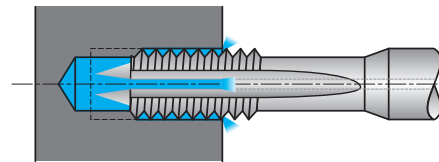
FOR ALLOY STEELS

- SURFACE TREATMENT**
 TiAlN-Top coating with an additional edge treatment.
- FLUTE GEOMETRY**
 Available in spiral point for through holes and spiral flute (45° angle) for blind holes. Special flute geometry on Red Shark spiral flute taps prevents nest formation of chips, reducing the risk of re-cutting chips on reversal.
- BACK TAPERED**
 The back taper on spiral flute Red Shark further facilitates chip evacuation, reducing chipping on the last threads of the taps and also reducing torque when the tap reverses.
- TOOL HOLDING Recommendation**
 When using spiral flute Red Shark taps, it is recommended to use a tool holder with minimal float or soft start.



FOR HIGH STRENGTH STEELS

- SURFACE TREATMENT**
 TiAlN-Top coating with an additional edge treatment.
- FLUTE GEOMETRY**
 Spiral point or low helix spiral flute geometries with low rake angle for good chip control and edge strength.
- CUTTING GEOMETRY (SPIRAL FLUTE TAPS)**
 The special three-radii profile with a constant rake angle along the flute length leads to better control of cutting properties and prevents nest formation of chips.
- TAPPING ATTACHMENT (RECOMMENDATION)**
 When using Black Shark taps, it is recommended to use synchronized (rigid) tapping.
- THREAD FORMS**
 UNC, UNF, Metric and Metric Fine
- PRODUCT CODES**
 E805, E806, E816, E817, E905, E906, E916, E917



FEATURES AND BENEFITS

- COLOR RING CODING**
 The color ring on the tool shank identifies suitability for specific materials and enables quick and easy tool selection.
- ADVANCED GEOMETRY**
 Significant reduction in axial forces and torque compared to conventional taps. This ensures problem-free threading of blind and through holes in the selected material.
- DIN/ANSI STANDARD**
 Standard ANSI shank and square with DIN overall length, for extra reach and compatibility with Inch Standard Tap Holding.
- EDGE TREATMENT (Red, Yellow, Blue Shark)**
 Spiral flute taps incorporate a special edge treatment to increase strength and reduce the chance of micro-chipping on the cutting edges. This considerably improves performance and tool life.