

STRUCTURAL, PLAIN CARBON & LOW ALLOY STEELS

YELLOW SHARK



- **SURFACE TREATMENT**
  Hard chrome plating (Cr) with an additional edge treatment prevents built up edge when tapping in materials prone to sticking to the cutting edges.
- **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.
- **THREAD FORMS**
  Metric and Metric Fine
- **PRODUCT CODES**
  E297, E298, E299, E300

YELLOW SHARK 3×D



- **SURFACE TREATMENT**
  TiAlN-Top coating with an additional edge treatment.
- **FLUTE GEOMETRY**
  Spiral flute angle of 48° facilitates smooth and fast chip evacuation, making it suitable for threading deep blind holes (3×D). The increased thread relief also enables higher cutting speeds in high strength steels.
- **CUTTING GEOMETRY**
  The special three radii profile with a constant rake angle along the flute length leads to a better control of cutting properties and prevents nest formation of chips.
- **BACK TAPERED**
  Back taper further facilitates chip evacuation, reducing chipping on the last threads of the taps and also reducing torque when the tap reverses.
- **TAPPING ATTACHMENT (RECOMMENDATION)**
  When using 48° spiral flute Yellow Shark taps, it is recommended to use a tool holder with minimal float or soft start.
- **THREAD FORMS**
  Metric
- **PRODUCT CODE**
  E412



STAINLESS STEELS

BLUE SHARK



- **SURFACE TREATMENT**
  Steam-tempered or Super-B (TiAlN + WC/C) coated with an additional edge treatment.
- **FLUTE GEOMETRY**
  Available in spiral point for through holes and spiral flute (40° angle) for blind holes.
- **BACK TAPERED**
  Back taper on spiral flute taps further facilitates chip evacuation, reducing chipping on the last threads of the taps and also reducing torque when the tap reverses.
- **THREAD FORMS**
  Metric, Metric Fine and G(BSP)
- **PRODUCT CODES**
  E238, E239, E240, E241, E382, E383, E384

BLUE SHARK 3×D



- **SURFACE TREATMENT**
  Super-B (TiAlN + WC/C) coating with an additional edge treatment.
- **FLUTE GEOMETRY**
  Spiral flute angle of 48° facilitates smooth and fast chip evacuation, making it suitable for threading deep blind holes (3×D). The increased thread relief ensures process security when tapping resilient materials such as stainless steel.
- **CUTTING GEOMETRY**
  The special three radii profile with a constant rake angle along the flute length leads to a better control of cutting properties and prevents nest formation of chips.
- **BACK TAPERED**
  Back taper further facilitates chip evacuation, reducing chipping on the last threads of the taps and also reducing torque when the tap reverses.
- **TAPPING ATTACHMENT (RECOMMENDATION)**
  When using 48° spiral flute Blue Shark taps, it is recommended to use a tool holder with minimal float or soft start.
- **THREAD FORMS**
  Metric
- **PRODUCT CODE**
  E414

SHARK

MATERIAL SPECIFIC APPLICATION TAPS



ALLOY STEELS

RED SHARK



- **SURFACE TREATMENT**
  Bright or TiAlN-Top coated with an additional edge treatment.
- **FLUTE GEOMETRY**
  Available in spiral point for through holes and spiral flute (45° angle) for blind holes.
- **BACK TAPERED**
  Back taper on spiral flute taps further facilitates chip evacuation, reducing chipping on the last threads of the taps and also reducing torque when the tap reverses.
- **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 spiral flute Red Shark taps, it is recommended to use a tool holder with minimal float or soft start.
- **THREAD FORMS**
  Metric
- **PRODUCT CODES**
  E255, E256, E260, E261

HIGH STRENGTH STEELS

BLACK SHARK

NEW



- **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**
  Metric
- **PRODUCT CODES**
  E334, E335

SHARK

MATERIAL SPECIFIC APPLICATION TAPS



NON-FERROUS MATERIALS

GREEN SHARK



- **SURFACE TREATMENT**
  Bright or Super-B (TiAlN + WC/C) coated.
- **FLUTE GEOMETRY**
  Available in spiral point for through holes and spiral flute (35° angle) for blind holes.
- **CUTTING GEOMETRY (SPIRAL FLUTE TAPS)**
  The special three radii profile with a constant rake angle along the flute length leads to a better control of cutting properties and prevents nest formation of chips.
- **THREAD FORMS**
  Metric
- **PRODUCT CODES**
  E471, E472, E473, E474

CAST IRONS

WHITE SHARK



- **SURFACE TREATMENT**
  Steam-tempered or TiAlN-Top coated.
- **FLUTE GEOMETRY**
  Straight flute design gives excellent performance when threading both through and blind holes in short chipping materials.
- **THREAD FORMS**
  Metric
- **PRODUCT CODES**
  E201, E252, E390