

# SECO PRODUCT SUMMARY THREADING

## GLIDE CHIPS AWAY FROM THE CUTTING ZONE TTP2050 GRADE

Create a safer working environment and avoid unstable threading operations that can scrap parts. Seco's new TTP2050 threading grade with a new advanced coating delivers the security, reliability and most importantly the performance stability and predictability needed for critical threading operations.

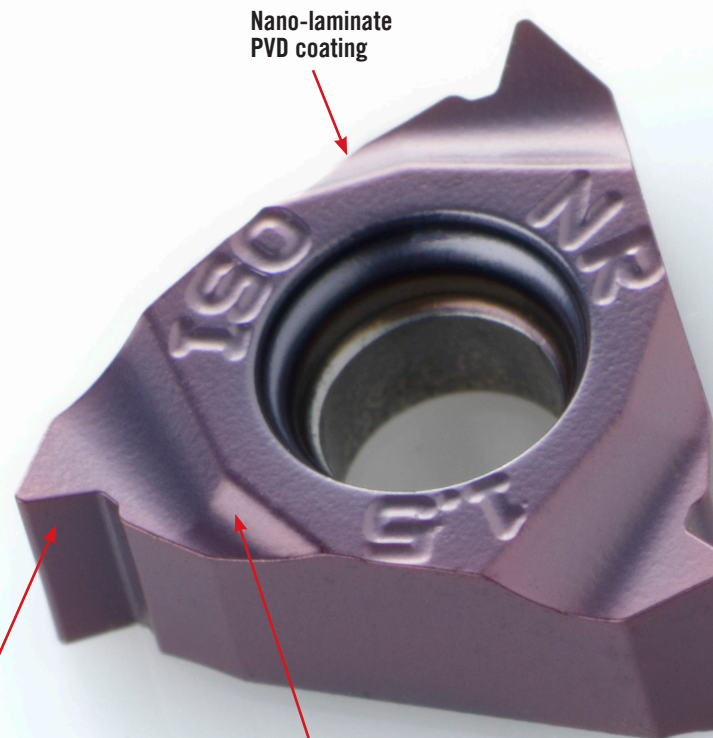
Gain longer tool life for potentially up to 30% process improvement. Different from typical used general-threading coatings, the TTP2050 has a nano-laminate PVD coating consisting of alternating TiAlN/TiSiN layers that are extremely wear resistant and useful for machining tool steels, stainless steels, other harder steels and cast irons.

### KEY BENEFITS

- Reliability and high performance from advanced grade and geometry
- Durability and exceptional wear resistance with new alternating coating

### RANGE OVERVIEW

- 44 different profiles and with -A geometry
- Sizes are 11 mm and 16 mm
- Both internal and external threading
- All standard/common thread types



More accurate  
thread gauging

Advanced tool  
geometry for  
reliable chip control

# SECO TTP2050 GRADE

## PRODUCT SUMMARY

# GAIN UP TO 30% PROCESS IMPROVEMENT

### INDUSTRY TARGETS

- **Automotive:** Many components are made from steel, cast iron and aluminum for transmissions, axles, and engines parts, and all end up requiring some form of threading. Some of these parts are difficult to fixture due to shape so cannot be run at high speed. This new threading grade allows you can run at slower speeds and obtain improved longer tool life with more accurate thread gauging.
- **Aerospace:** Various threaded components are used in this field in which optimum tool life and correct thread gauging is critical.
- **General Machining:** This threading insert intended for the general machining segment provides low edge cost but also high productivity in most materials.
- **Oil & Gas:** Both, above and below ground steel pipe for drilling, extracting and transferring product require multiple components that need to be threaded.

MATERIAL GROUPS
Steel P1-P11
Stainless Steel M1-M5
Cast Iron K1-K7
High Temp Alloys

FEATURES	ADVANTAGES	BENEFITS	INVOLVEMENT
PVD Coating	<ul style="list-style-type: none"> <li>• Extreme wear resistance</li> </ul>	<ul style="list-style-type: none"> <li>• Longer tool life</li> </ul>	<ul style="list-style-type: none"> <li>• How would you use a better tool to save costs and increase productivity?</li> <li>• Where and how will you benefit from maintaining thread gauging longer?</li> </ul>
Advanced -A Geometry	<ul style="list-style-type: none"> <li>• Reliable chip control</li> <li>• Safer working environment</li> </ul>	<ul style="list-style-type: none"> <li>• Part quality</li> <li>• Avoid recutting chips</li> </ul>	<ul style="list-style-type: none"> <li>• How important is it to provide a safe working environment?</li> </ul>