

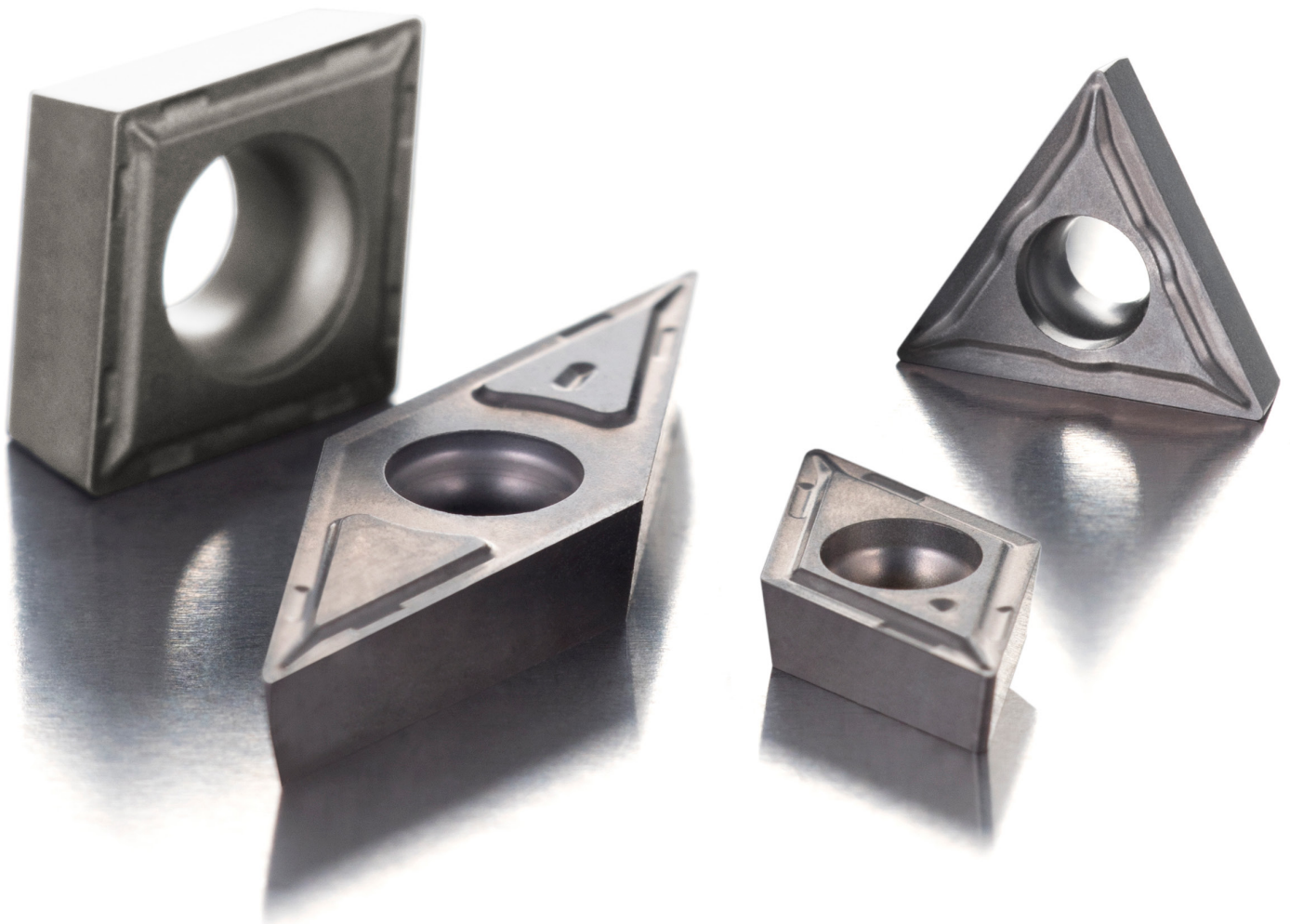


EXPLORE
TT010 ONLINE

CERMET

GRADE TT010

A Range of **High-Performance** Uncoated Cermet
Turning Inserts



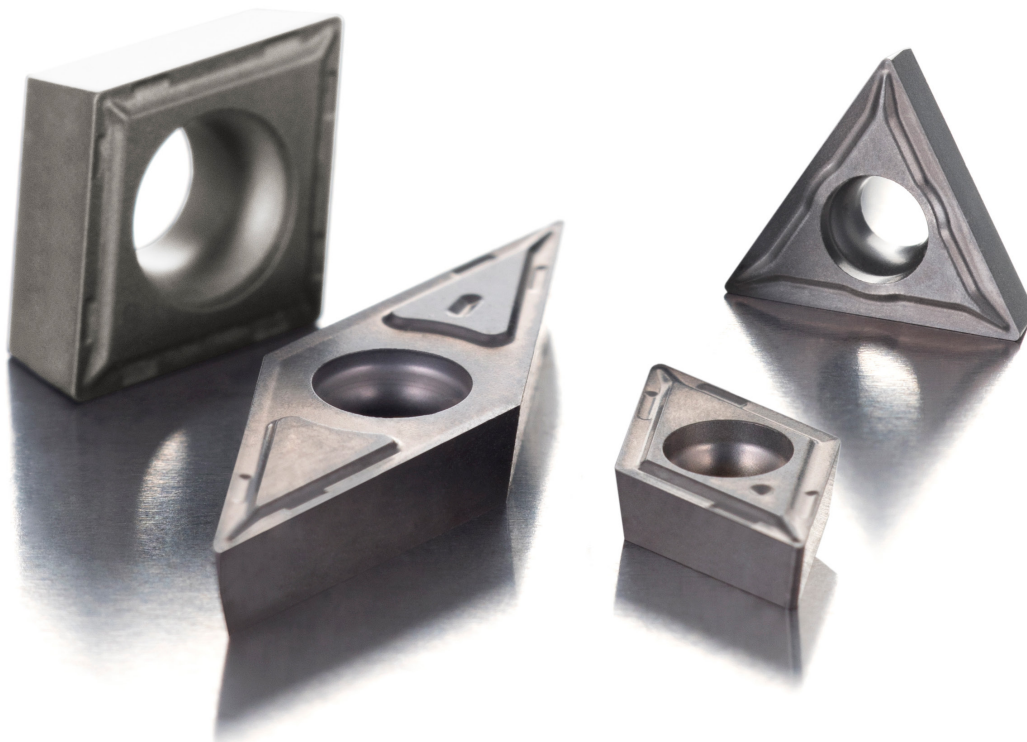
*For a consultation on the range of cermet products suitable for your application,
please contact your local Dormer Pramet sales representative.*

INTRODUCTION

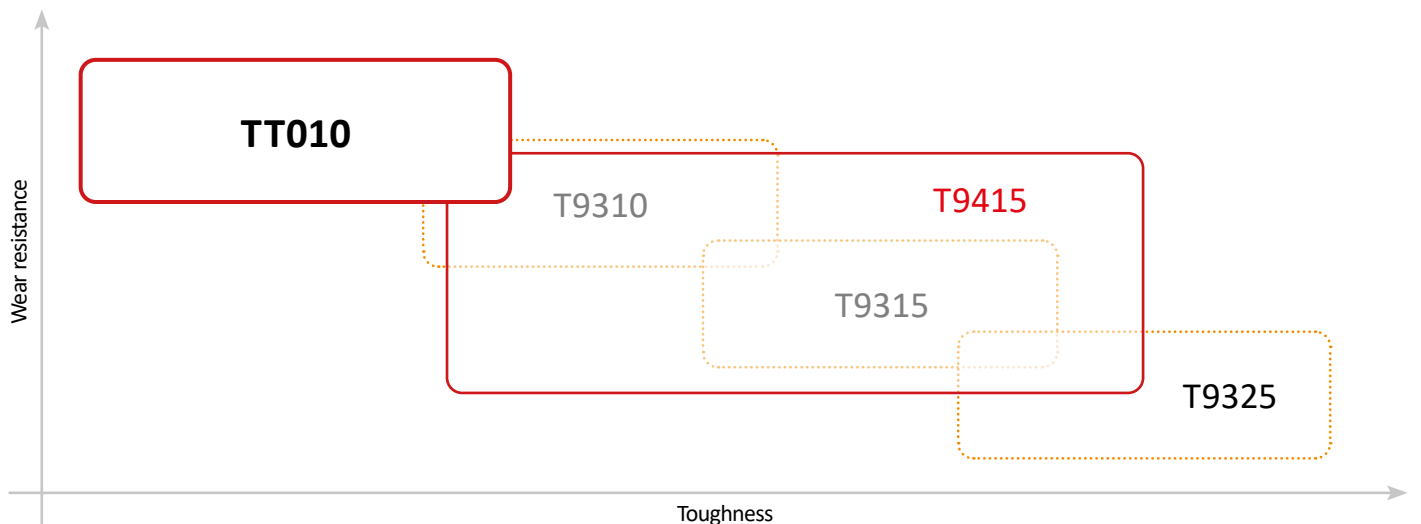
Dormer Pramet highlights a range of high-performance cermet turning inserts, featuring chipbreakers and radii on positive inserts optimized for final finishing operations on steel and stainless steel. The uncoated cermet grade TT010 offers high wear resistance, enabling high cutting speeds and low feeds resulting in high standard surface finish. Pramet TT010 provides excellent dimensional stability, ideal for high-volume production batches. The comprehensive range of cermet turning inserts offers customers the best possible solutions for their needs.



GET MORE INFORMATION



APPLICATION AREA OF PRAMET TT010 TURNING GRADE



FEATURES & BENEFITS

- ▶ **HIGHLY WEAR RESISTANT**
cermet grade ideal for mass production
- ▶ **HARD CERMET GRADE**
applicable in high cutting speeds and low feeds
- ▶ **OPTIMIZED CHIP-BREAKERS**
on positive inserts assortment
- ▶ **DIMENSIONAL STABILITY**
throughout the whole tool life
- ▶ **HIGH SURFACE QUALITY**
of machined steel and stainless steel workpieces
- ▶ **CHIP FORMING**
under control in most scenarios

SUCCESS STORIES

Insert	VCGT 130304E-NF2:TT010
Toolholder	SVJCL 2525 M13
Material	X17U4 (stainless steel) 320 HB
Operation	Longitudinal turning operation – final finishing
Workpiece	ø8.0 mm / Lg: 200 mm
Coolant	Yes



Result with TT010:
Tool life / cutting edge: +/- 40 minutes
Objective: Ra < 0,6



Dormer Pramet solution

VCGT 130304E-NF2:TT010

Machining data

v_c (m/min)	f_n (mm/r)	a_p (mm)
45	0,07	0,12

Insert	VCGT 130304E-NF2:TT010
Toolholder	SVJCL 2525 M13
Material	36SMnPb14 (steel) 210 HB
Operation	Profiling turning operation – final finishing
Workpiece	Hose connection (ø50 mm / Lg: 110 mm)
Coolant	Yes



Result with TT010:
Less frequent checks of workpiece dimensions
Objective: Ra < 0,6



Dormer Pramet solution

VCGT 130304E-NF2:TT010

Machining data

v_c (m/min)	f_n (mm/r)	a_p (mm)
280	0,15	0,8



The customers switched to our cermet grade Pramet TT010 inserts after testing other carbide grades, due to achieving a better workpiece roughness and longer tool life. The high wear resistance of the cermet grade also allows for less frequent checks of workpiece dimensions and eliminates the need for correction of the machining program.

SIMPLY RELIABLE

As a professional you can judge the quality of work by just looking at the chip. Our chip is a clean and uncomplicated shape that in itself tells a story. It is a clear and consistent signal and that's why we use it as a symbol for being **Simply Reliable**.

DORMER PRAMET

www.dormerpramet.com



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