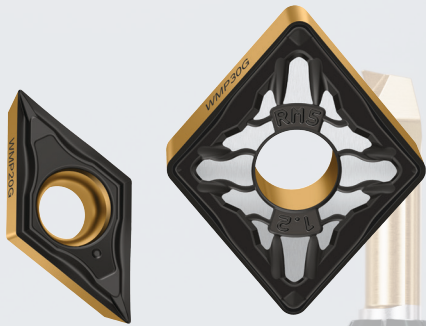


Tiger-tec® Gold - Turning WMP20G/WMP30G Inserts



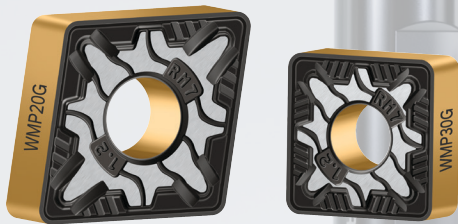
WMP20G

- First choice for austenitic, duplex and ferritic/martensitic stainless materials
- Universal one for medium and high cutting speeds
- Problem solver on steel (where standard steel turning grades tend to fracture)
- Primary application: Stainless steel (ISO M); steel (ISO P);
Secondary application: difficult-to-machine materials (ISO S)

WMP30G

- Austenitic, duplex and ferritic/martensitic stainless materials
- Out-of-round or difficult to machine components (e.g. weld seams, armor plate)
- Large workpieces or single part manufacture
- Can be used at medium and low cutting speeds
- Primary applications: Stainless steel (ISO M); steel (ISO P);
Secondary application: difficult-to-machine materials (ISO S)

Tiger-tec® Gold - Turning RM7 Inserts



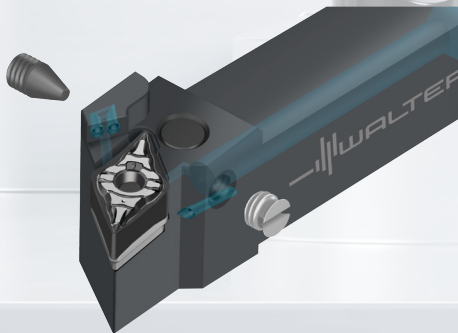
THE GEOMETRY

- For the roughing operation of stainless materials
- Cutting edge design to prevent fractures caused by chip impact
- Alternative in roughing to RM5 geometry (if it is prone to fractures)
- Available basic forms:
CNMG, DNMG, SNMG, TNMG, WNMG

THE APPLICATION

- Roughing operation against the shoulder
- Interrupted cuts; components that are out of round or difficult to machine (e.g. with weld seam)
- Stainless materials (where the stability of MM5 and RM5 geometry is not sufficient)
- Task parameters:
f: 0.010-0.033 in (0.25-0.85 mm),
a_p: 0.039-0.315 in (1.0-8.0 mm)

Walter Turn Sliding head holder P.-S P



THE TOOL

- Indexable inserts: CN12..., DN11... and WN06...
- Long turning holder for negative indexable inserts with toggle clamp
- Long turning holder with rake and flank face cooling
- Shank dimensions: 12×12 and 16×16 mm
- Short head dimension - for short clamping and high stability

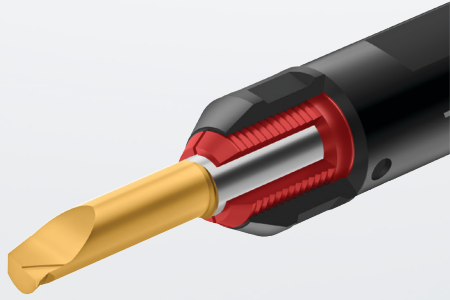
THE APPLICATION

- Swiss-type and multi-spindle machines having up to 150 bar/2175 psi of coolant pressure
- Longitudinal, face and copy turning of components with small diameters
- Precision turned parts with high accuracy



WB Boring bars and adaptors

Solid carbide boring



THE TOOL

WB solid carbide mini boring bar

- Precision-ground - for maximum repeatability and positioning accuracy
- Chip former geometries available
- Turning from D_{min} Ø 0.012 inch (0.3 mm)
- Ø - adaptor-side: 4, 5, 6, 7, 8 and 10 mm

Adaptors: W4280 / W4291

- Round shank with 2-4 clamping surfaces; Ø 10-25 mm and 0.5-1.0 inch
- Stable one with "WB-Collet Line"
- Positioning via parallel pin for maximum repeat accuracy
- Walter Capto™ tools available

WSM23X:

- Primary application: Steel ISO P25, stainless steel ISO M25, materials with difficult cutting properties ISO S25
- Secondary application: Non-ferrous metals ISO N25
- Universal PVD grade for parting off/grooving and turning with moderate to low v_c and a_p
- PVD multi-layer TiAlN and TiN top layer

WSM13X

- Primary application: Steel ISO P15, stainless steel ISO M15, materials with difficult cutting properties ISO S15, NF metals ISO N15
- Higher wear resistance (compared to WSM23X) for stable machining conditions
- PVD multi-layer TiAlN

TD610 Supreme

Thread milling cutter



NEW ADDITION TO THE PRODUCT RANGE

- 1.5 × D: MJ, UNJC, UNJF, NPT, NPTF
- 2.0 × D: M, MF, UNC, UNF, G

THE TOOL

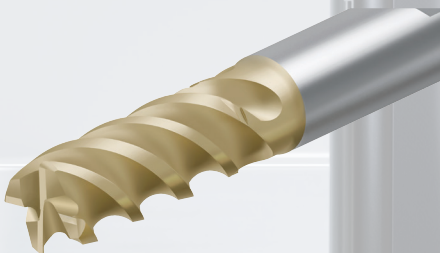
- Universal One - TD610 Supreme full-effective thread milling cutter
- With and without internal cooling
- Shank in accordance with DIN 6535 HB

THE APPLICATION

- Blind-hole and through-hole threads
- ISO materials P, M, K, N and S up to 48 HRC
- Thread depth $\leq 2 \times D_N$
- Ideal for strict requirements on process reliability (e.g. for expensive components)

MC341

Solid carbide milling cutter



THE TOOL

- Solid carbide cutter MC341 Supreme
- Developed for the machining of ISO P materials

The program

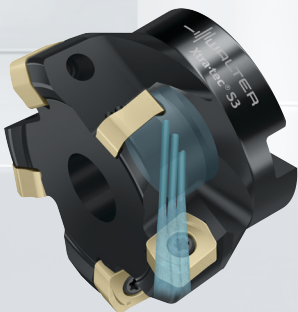
- Ø 6-16 mm
- z4 and z5
- With Weldon shank
- With or without corner radius
- With or without neck

THE APPLICATION

- Primary application: ISO P
- Secondary application: ISO M
- Roughing/Finishing
- Slot and pocket milling as well as circular interpolation milling
- Areas of application: General mechanical engineering, energy and automotive industry

Xtra-tec® M6420

High-feed milling cutter



THE TOOL

- Indexable insert milling cutter line Xtra-tec® S3
- High-feed milling cutter M6420
- Innovative chip clearance space design
- Up to 3 cooling channels per cutting edge
- 20° approach angle
- Depth of cut up to 0.079 in (2 mm)
- 2 pitches for different requirements
- Ø 40-100 mm (or 2-4")

THE INDEXABLE INSERTS

- Double-sided indexable insert with 4 cutting edges
- Feed per tooth up to 0.118 in (3 mm) possible thanks to special insert design
- Stable insert seat design due to large contact and support surfaces
- Combines stability with easy-cutting geometries
- Tiger-tec® Gold cutting tool materials for maximum cutting data and tool life