

MTS

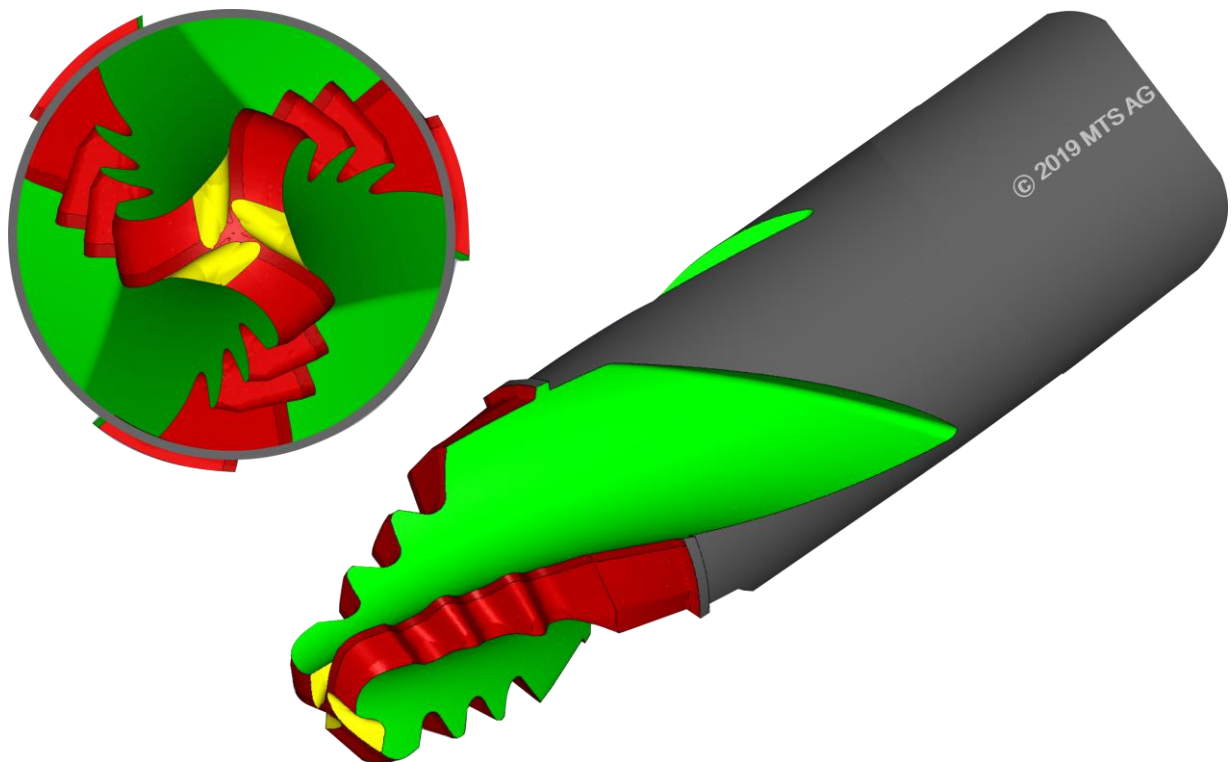
Product of the VOLLMER Group

tool-kit PROFESSIONAL by MTS – Product of the VOLLMER Group

Software-Modul

Spezifikation „Profile Tools/SMENU“

Stand: 31.01.25



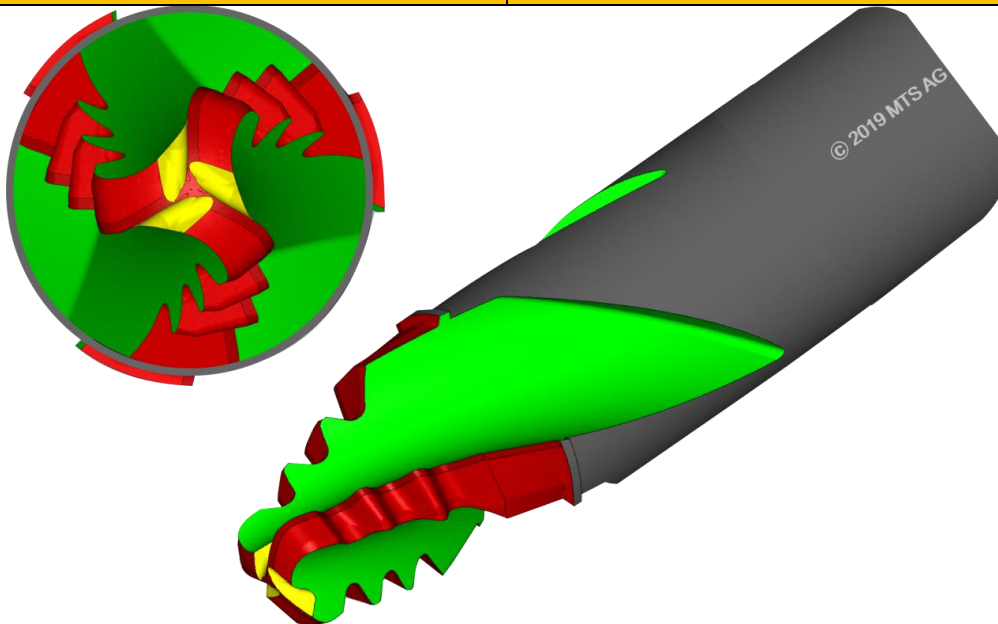
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8.1 Profile Tools

SMENU



8.1 Basic Modul „Increasing/Downgrade Profile “

- **Workpiece:**
Tools with increasing and falling profile
- **Point and Geometry:**
Milling End Face like 1.1
Drills Point like 6.1
- **Cutting Edge Combination:**
right helix/right cut
left helix/left cut
- **Production / Regrinding:**
Production by different infeed (several steps)
Regrinding with calculation of removal length, periphery and rake.
Regrinding, finishing with different wheels
- **Profile:**
CAD-system for profile construction
- **Profile Element:**
Straight line
Edge
Convex / concave radius
Chamfer
Increasing / downgrade profile
Free selectable sequence of the profile elements
- **Preparation:**
Separation (cut off)
Profile roughing
Profile finishing
Straight polishing
Corresponding to a defined blank profile
- **Main Fluting:**
Straight fluting
Tapered fluting
Spade drill fluting
- **Periphery:**
Linear relief: 1st/ 2nd /3rd relief angle
Radial relief: 1st relief angle
Cylindrical relief
Raised land fluting
Multi facet raised land fluting
- **Extension: Reading DXF-Format**
Reading an external created **DXF-file**
Konverting into MTS-file-format
autom. sorted elements
autom. corrected sequence
autom. corrected orientation
Selecting the particular layer
- **DXF-Standard:**
AutoCAD Version 12
DXF-identification-code „AC1008“

8.2 Multi Fluting Geometry
Extension to 8.1:

- **Multi Fluting Geometry:**
Up to 5 flutings with separate definition
but common cutting edge

8.3 Radial Periphery
Extension to 8.1:

- **Radial Periphery:**
Radial periphery along discretionary sections
Special grinding procedure by radius wheel

8.4 Profile Tools Multi Cutter Geometry	4SMENU
<p>8.4 Multi Cutter Geometry Extension to 8.1:</p>	
<ul style="list-style-type: none">• Multi Cutting Geometry: Multi cutting tools with 2 Groups In pairs different cut geometry	