

MTS

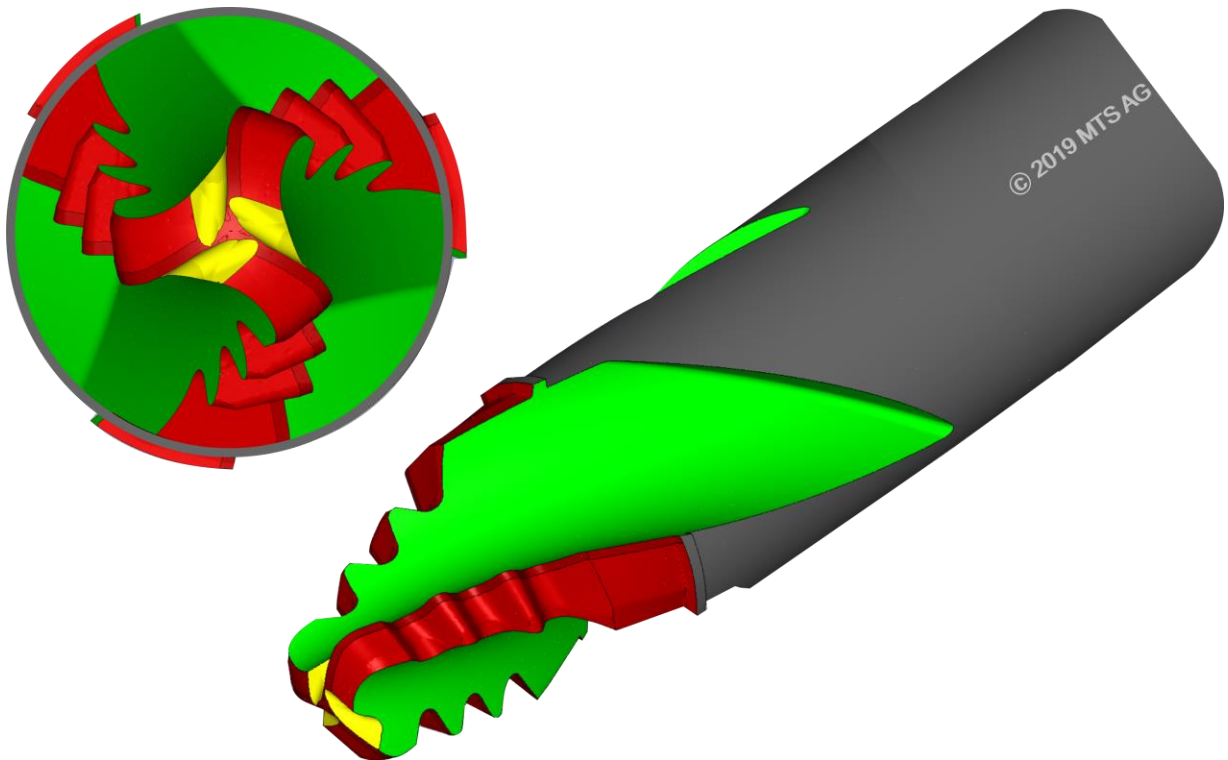
Product of the VOLLMER Group

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

Software-Modul

Spezifikation „Profile Tools/SMENU“

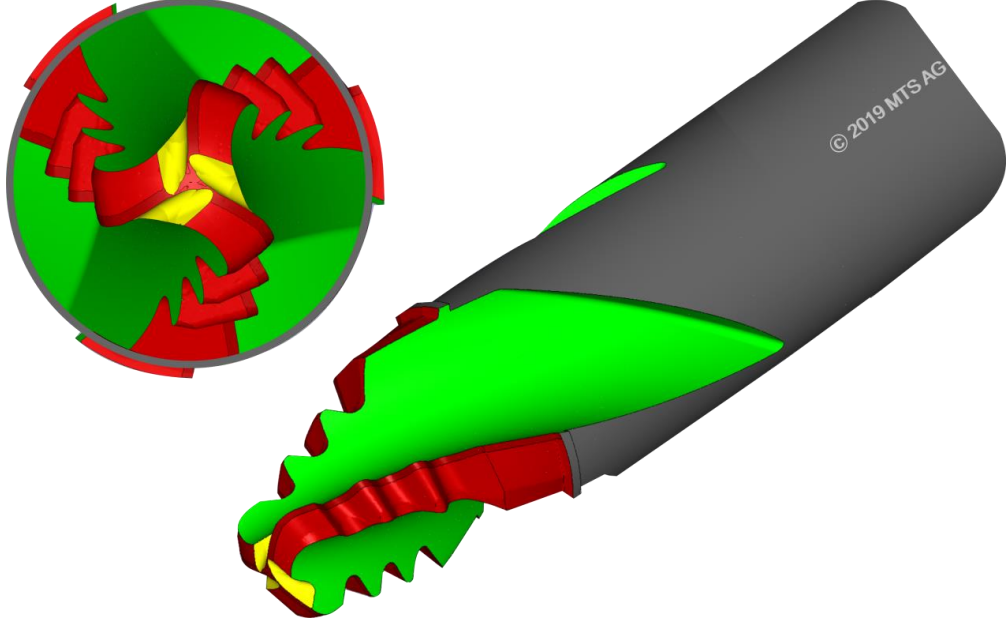
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MTS – Product of the VOLLMER Group
Innovationszentrum Freiburg (FRIZ)
Georges-Köhler-Allee 302
79110 Freiburg im Breisgau
Tel.: +49 7351 571 8141 / +49 160 5426017
info@mtsag.net
www.mtsag.net

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8.1 Profile Tools	SMENU
	
<p>8.1 Basic Modul „Increasing/Downgrade Profile “</p>	
<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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“
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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 Profile Tools Radial Periphery	3SMENU
8.3 Radial Periphery Extension to 8.1:	
<ul style="list-style-type: none">• Radial Periphery: Radial periphery along discretionary sections Special grinding procedure by radius wheel	

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