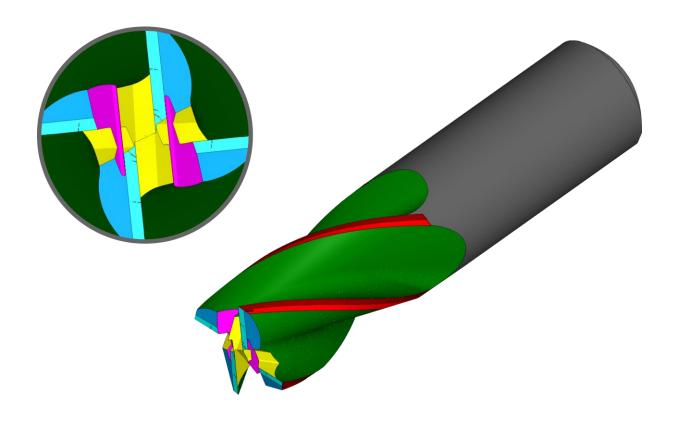


# tool-kit PROFESSIONAL by MTS AG

# Software-Modul

# **Spezifikation "Endmills/FMENU"**Stand: 07.06.23



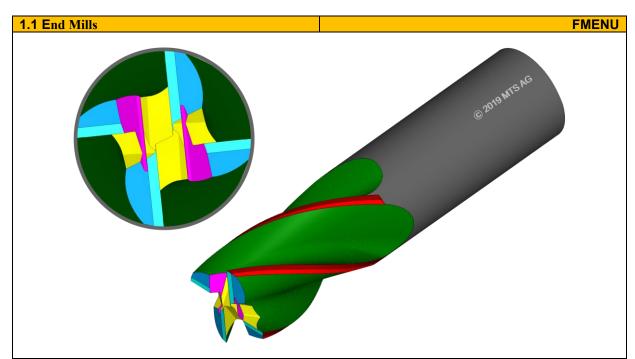
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MTS AG

Mathematisch- Technische Software





# 1.1 Basic Modul End Mills

#### Workpiece:

Cylinder Taper Angular Cutter

#### Point:

Plan Face Chamfer Corner Radius Ball Nose Circular Arc Double Radius

#### Geometry:

Regulare
2 at Center
1 above Center
Centring Point
3 at Center
4 at Center

# • Cutting Edge Combination:

right helix/right cutting left helix/left cutting right helix/left cutting left helix/right cutting

#### • Division:

Equal / unequal division of teeth

# Periphery

Linear relief: 1st/ 2nd /3rd relief angle Radial relief: Cross-/ longitudinal

Roughing

Grind direction: Forward / backward

Optional spark out grinding

# Production / Regrinding:

Production by different infeed (several steps)
Regrinding with calculation of removal length, periphery and rake.
Regrinding, finishing with different

# wheels Main Fluting

Meas. definition: Point-/ normal cut Grind direction: Forward / backward Optional spark out grinding

### • Taper:

Constant angle / constant helix Regrinding with undefined helix

# Notching

Radius at entry and exit Variable entry- and aperture angle

#### Profile Simulation

Simulation of intersection at all operations
Wheel/workpiece-simulation
Machining simulation

### Shank

Reducing the shank diameter Clamping area



