**CT-flex® nano**

**Features:**
- TiAlN-coating
- MultiChip® geometry
- Heat and wear resistant cutting edge
- Pre-honed tooth edges

**Applications:**
- Stainless, acid-resistant, hardening martensitic steel
- Nickel-based alloys

**Features:**
- CT3 geometry
- Excellent performance
- Short cycle times
- High stability

**Applications:**
- Extremely hard-to-cut materials

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**CT-flex® 3000**

**Features:**
- CT4 geometry
- Excellent performance
- Short cycle times
- Very smooth running blade

**Applications:**
- Hard-to-cut materials
- Aluminum

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**CT-flex® 4000**

**Features:**
- CT4 geometry
- Excellent performance
- Short cycle times
- Very smooth running blade

**Applications:**
- Hard-to-cut materials
- Aluminum

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* standard  on request
**CT-flex® CHM**

**Carbide-tipped blade**

**Features:**
- Multichip® geometry, superior performance
- Negative rake angle, extreme wear resistance

**Applications:**
- Case hardened and chrome plated materials ≤ 65 HRC

**Work pieces:**
- Round bar
- Thick-walled tubes
- Bundle single-layer

<table>
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<td>1 1/2 x .060</td>
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**CT-flex® ALU XL**

**Carbide-tipped blade**

**Features:**
- Multichip® geometry, improved chip formation, minor material loss, less forces

**Applications:**
- Corrosion and acid-resistant steels, nickel-based alloys ≤ 65 HRC

**Work pieces:**
- Round bar
- Square bar
- Flat bar

<table>
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<th>mm</th>
<th>teeth per inch (tpi)</th>
<th>in</th>
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<tbody>
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<td>2 x .063</td>
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<tr>
<td>67 x 1,60</td>
<td>2 TR</td>
<td>2 5/8 x .063</td>
</tr>
<tr>
<td>80 x 1,60</td>
<td>3 TR</td>
<td>3 1/8 x .063</td>
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</table>

**CT-flex® Pro**

**Carbide-tipped blade**

**Features:**
- Set tooth, unique tooth geometry, minor vibration development

**Applications:**
- Corrosion and acid-resistant steels, nickel-based alloys ≤ 65 HRC

**Work pieces:**
- Round bar
- Thick-walled tubes
- Square bar
- Flat bar

<table>
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<th>mm</th>
<th>teeth per inch (tpi)</th>
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<tbody>
<tr>
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<td>1/4/2</td>
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</tr>
<tr>
<td>27 x 0,90</td>
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<td>ST</td>
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</tr>
<tr>
<td>54 x 1,60</td>
<td>2 ST</td>
<td>2 x .063</td>
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</tbody>
</table>

ST = set tooth
**nanoflex® VTX**

**Coated bimetal blade**

Features:  
- TiAlN-coating, micro-resistant cutting edge, increased tooth hardness, variable tooth height with strongly positive rake angle

Applications:  
- Corrosion and acid-resistant steel, nickel-based alloys, tempered steel
  - ≤ 50 HRC

Work pieces:
- Round bar
- Thick-walled tubes
- Square bar
- Flat bar

<table>
<thead>
<tr>
<th>mm</th>
<th>teeth per inch (tpi)</th>
<th>in</th>
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</thead>
</table>
| 27 x 0,90 | 0,65/0,95 | 1 | nanoflex® VTX
| 34 x 1,10 | 0,75/1,25 | 1 | nanoflex® VTX
| 41 x 1,30 | 1,1/1,5  | 1 | nanoflex® VTX
| 54 x 1,30 | 1,4/2 | 1 | nanoflex® VTX
| 67 x 1,60 | 2/3 | 1 | nanoflex® VTX
| 80 x 1,60 | 3/4 | 1 | nanoflex® VTX

**nanoflex® Black**

**Coated bimetal blade**

Features:  
- TiAlN-coating, prehoned edges, short cycle times, excellent wear resistance

Applications:  
- Universally applicable
  - ≤ 50 HRC

Work pieces:
- Round bar
- Thick-walled tubes
- Bundle single-layer
- Square bar
- Flat bar
- Beams
- Special profiles

<table>
<thead>
<tr>
<th>mm</th>
<th>teeth per inch (tpi)</th>
<th>in</th>
</tr>
</thead>
</table>
| 41 x 1,30 | 0,75/1,25 | 1 | nanoflex® Black
| 54 x 1,60 | 1/1,3  | 1 | nanoflex® Black
| 67 x 1,60 | 1,4/2 | 1 | nanoflex® Black
| 80 x 1,60 | 2/3 | 1 | nanoflex® Black

**duoflex® VTX**

**Bimetal blade**

Features:  
- Micro-resistant cutting edge, increased tooth hardness, variable tooth height with strongly positive rake angle

Applications:  
- Corrosion and acid-resistant steel, nickel-based alloys, tempered steel
  - ≤ 50 HRC

Work pieces:
- Round bar
- Thick-walled tubes
- Square bar
- Flat bar
- Thick-walled tubes
- Square bar
- Flat bar

<table>
<thead>
<tr>
<th>mm</th>
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</table>
| 27 x 0,90 | 0,65/0,95 | 1 | duoflex® VTX
| 34 x 1,10 | 0,75/1,25 | 1 | duoflex® VTX
| 41 x 1,30 | 1,1/1,5  | 1 | duoflex® VTX
| 54 x 1,30 | 1,4/2 | 1 | duoflex® VTX
| 67 x 1,60 | 2/3 | 1 | duoflex® VTX
| 80 x 1,60 | 3/4 | 1 | duoflex® VTX

Note: On request
duoflex® GTX

**Bimetal blade**

**Features:**
- ground triple chip tooth geometry,
- micro-resistant cutting edge, excellent surface finish

**Applications:**
- large applications ≤ 50 HRC

**Work pieces:**
- round bar
- square bar
- flat bar
- beams

<table>
<thead>
<tr>
<th>mm</th>
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<tbody>
<tr>
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<td>67 x 1.60</td>
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<td>CSP</td>
</tr>
<tr>
<td>80 x 1.60</td>
<td>DCS</td>
<td>CSP</td>
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</table>

**duoflex® MX55**

**Bimetal blade**

**Features:**
- micro-resistant cutting edge, resistant against interrupted cuts,
- hard-to-cut materials, e.g. Duplex- and heat resistant steel,
- Titanium and Titanium alloys, Aluminum bronze, tempered steel ≤ 49 HRC

**Applications:**
- large applications

**Work pieces:**
- round bar
- thick-walled tubes
- bundle single-layer
- bundle multiple-layer
- square bar
- flat bar
- beams

<table>
<thead>
<tr>
<th>mm</th>
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<tbody>
<tr>
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<tr>
<td>34 x 1.10</td>
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<tr>
<td>80 x 1.60</td>
<td>DCS</td>
<td>CSP</td>
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</table>

**Experience more performance and precision with the X-Series:**

- advanced uniform microstructure
- constant hardness and toughness values
- micro-resistant, stable cutting edge
- top cutting accuracy
- reduced machine load
- greatly extended blade life

Eberle X-Series Microstructure
**duoflex® M42**

**Bimetal blade**

**Features:**
- Efficient and powerful saw blade with vibration resistant tooth edge

**Applications:**
- Universally applicable

**Work pieces:**
- Round bar
- Thick-walled tubes
- Tube single-layer
- Tube multiple-layer
- Square bar
- Flat bar

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</table>

**duoflex® PT**

**Bimetal blade**

**Features:**
- Highest cutting performance in interrupted cuts, reduced vibration, resistant to tooth breakage

**Applications:**
- Pipes and tubes

**Work pieces:**
- Tubes
- Tube single-layer
- Tube multiple-layer
- Beams
- Special profiles

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<th>3/4</th>
<th>4/6</th>
<th>5/8</th>
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CUTTING RECOMMENDATIONS FOR SOLID MATERIAL

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<th>Tooth Form</th>
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<td>Positive rake angle</td>
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<tr>
<td>DCS~TOOTH</td>
<td>Positive rake angle</td>
</tr>
<tr>
<td>CSP~TOOTH</td>
<td>Positive rake angle</td>
</tr>
<tr>
<td>CW~TOOTH</td>
<td>Positive rake angle</td>
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<tr>
<td>CST~TOOTH</td>
<td>Positive rake angle</td>
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<tr>
<td>N~TOOTH</td>
<td>Neutral rake angle</td>
</tr>
<tr>
<td>TR/TRN~TOOTH</td>
<td>Variable rake angle</td>
</tr>
</tbody>
</table>

TOOTH FORMS

- **C~TOOTH**: Positive rake angle
  - short-chip materials
  - small work pieces
- **DCS~TOOTH**: Positive rake angle
  - heavy duty, high alloyed work pieces
  - large cross-sections
- **CSP~TOOTH**: Positive rake angle
  - austenitic materials
  - nickel-based alloys
- **CW~TOOTH**: Positive rake angle
  - low-alloy materials, Aluminum
  - mold construction, contours
- **CST~TOOTH**: Positive rake angle
  - profiles, tubes, bundles
- **N~TOOTH**: Neutral rake angle
  - short-chip materials
  - small work pieces
- **TR/TRN~TOOTH**: Variable rake angle
  - heavy duty work pieces
  - high cutting performance
- **CHT~TOOTH**: Variable, extremely positive rake angle
  - hard-to-cut materials, heat-treated steels
  - large to very large work pieces
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Put your trust in our experience
Our international distribution network is based on long-standing partnerships with top-notch sawing specialists who help solve your specific questions regarding various applications.

To place an order, please contact either your regional Eberle Exclusive Agent (EEA), local distributor, the Eberle branch responsible for you or get in touch with our headquarter in Augsburg.

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For a detailed overview about our trade shows with direct access to the event website and to Google Maps, please refer to our homepage www.eberle-augsburg.de.

Eberle Cutting Data App
The Eberle Cutting Data App provides you immediately and precisely with the cutting parameters for individual bimetal and carbide tipped band saw cutting. It can be downloaded from our homepage or www.eberleslidechart.com or from:

Training
We offer band saw blade training to your company upon request. Just contact our distribution network or get in touch with our headquarter.

Technical advice
Should you have any questions about band saw applications or ways to optimize sawing processes, Eberle’s expert team will provide competent support:

Tel.: +49 (821) 5212-220
Fax: +49 (821) 5212-300
Email: support@eberle-augsburg.de

We look forward to your call.