Tools Technical Datasheets

Bridge Saw Blades

Recommended tools

- *Italdiamant EVOGRES*
  Available in 12”-14”-16”

- *Konig DIAREX UCS*
  Available in 14”-16”-18”

- *Dongsin KCBL+KCBL-FL*
  Available in 14”-16”-18”

- *Terminator nanocut DK3*
  Available in 14”-16”-18”

What are the recommended parameters?

<table>
<thead>
<tr>
<th>Thickness of the slab</th>
<th>White</th>
<th>Rest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feed speed (inches/min)</td>
<td>20</td>
<td>40</td>
</tr>
<tr>
<td>Speed at the exit (inches/min)</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td>Plunge speed (inches/min)</td>
<td>2.3</td>
<td>2.3</td>
</tr>
<tr>
<td>Speed cutting 45° (inches/min)</td>
<td>10</td>
<td>20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Diameter of the blade (inches)</th>
<th>14</th>
<th>16</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotation speed (rpm)</td>
<td>2400 - 2200</td>
<td>1900 - 1500</td>
<td>1500 - 1200</td>
</tr>
</tbody>
</table>

Requirements of my machine

- Cooling water flow focused on the cutting area
- Use large flange
- Sharpen frequently the diamond
- Well-leveled bed support
- Support of larger dimension of the slab
- Blade depth 1/8 inch to 3/16 inch on the cutting bed

Where can I get these tools?

- **Italdiamant**
  - A) By the authorized dealer in your area
  - B) www.granquarz.com

- **Konig**
  - A) By the authorized dealer in your area
  - B) Sales contact: info@j-koenig.de

- **Dongsin / Terminator / Helix**
  - A) By the authorized dealer in your area
  - B) Web contact Terminator: www.terminatordia.com
  - C) Web contact Dongsin: www.diaflx.com/index.htm

- **Maximum feed speed**
  - Quality
    - High: 80’/min
    - Medium: 40’/min
    - Poor: 20’/min
Drill bit

Recommended tools

Terminator NANOcut DK
CNC 1/2" Gas attachment
Angle grinder 5/8" attachment
Available in ø6 (1/4"), ø8(5/16"), ø10(3/8"), ø20(3/4"), ø25(1"), ø32(1-1/4"), ø35(1-3/8"), ø40(1-1/2"), ø45(1-3/4"), ø50(2"

Italdiamant Evogres
CNC 1/2" Gas attachment
Angle grinder 5/8" attachment
Available in ø10(3/8"), ø12(1/2"), ø20(3/4"), ø25(1"), ø32(1-1/4"), ø40(1-1/2"), ø50(2"

Weha Dry Magic Brazed Diamond
Available in ø6 (1/4"), ø12(1/2"), ø20(3/4"), ø25(1"), ø32(1-1/4"), ø35(1-3/8"), ø40(1-1/2") y ø50(2"

What are the recommended parameters?

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotation speed</td>
<td>4000 rpm</td>
</tr>
</tbody>
</table>

The working parameters should be recommended mainly by the tools manufacturer.

Requirements of my machine

- Sharpen every 4 holes drilled
- Well-leveled bed support
- Support of larger dimension of the slab
- Water flow focused on the cutting area

Where can I get these tools?

ADW/Italdiamant
A) By the authorized dealer in your area
B) http://www.terminatordia.com/store/corning/
dry-core-drills/terminator-nanocut-dk-core-drills.html

Terminator
A) By the authorized dealer in your area

ADI / Weha / Cyclone
A) By the authorized dealer in your area
Recommended tools

- **Ital diaman EVG RES**
  - Available in one size
- **Terminator NANOCUT DK**
  - Available in 8"x12", 8"x16" and 8"x20"
- **Dongsin M1**
  - Available in one size
- **ADI Milling Tool**
  - Available in one size

What are the recommended parameters?

<table>
<thead>
<tr>
<th>Thickness of the slab</th>
<th>8 mm</th>
<th>12 mm</th>
<th>20 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feed speed (inches/min)</td>
<td>8</td>
<td>7.5</td>
<td>7</td>
</tr>
<tr>
<td>Speed at exit (inches/min)</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Thickness of the slab</th>
<th>8mm</th>
<th>12mm</th>
<th>20mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotation speed (rpm)</td>
<td>4500</td>
<td>4500</td>
<td>4500</td>
</tr>
<tr>
<td>Rotation speed milling tool (rpm)</td>
<td>6000 - 7500</td>
<td>6000 - 7500</td>
<td>6000 - 7500</td>
</tr>
</tbody>
</table>

Requirements of my machine

- Cooling water flow focused on the cutting area
- Sharpen the tool before each real job
- Well-leveled bed support
- Support of larger dimension of the slab

Where can I get these tools?

- **Ital diaman**
  - A) [https://www.braxton-bragg.com/](https://www.braxton-bragg.com/)
  - B) By the authorized dealer in your area
- **Terminator**
  - A) By the authorized dealer in your area
- **ADI**
  - A) By the authorized dealer in your area
  - B) [http://www.adi-tools.com/](http://www.adi-tools.com/)
Manual Cutter Blade

Recommended tools

ADW Epic
Available in 4.5", 5" y 7"

Terminator NANOCUT DK Fine Turbo
Available in 4.5" y 5"

Ital diamant Serie Evogrest
Available in 5"

Weha R-Mesh Turbo Blade
Available in 4.5", 5" y 7"

Cyclone S Turbo Blade
Available in 4", 5" y 6"

What are the recommended parameters?

<table>
<thead>
<tr>
<th>Diameter of the blade (inches)</th>
<th>4.5&quot;</th>
<th>5&quot;</th>
<th>7&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotation speed* (rpm)</td>
<td>11000 - 12000</td>
<td>11000 - 12000</td>
<td>11000 - 12000</td>
</tr>
</tbody>
</table>

* The feed speed should be adjusted according to the type of machine and the thickness of the material. Larger thickness will require reduce the feed speed.

Requirements of my machine

- Cooling water flow focused on the cutting area
- Well-leveled bed support
- Blade depth 1/8" on the cutting bed
- Support of larger dimension of the slab

Where can I get these tools?

Terminator
A) By the authorized dealer in your area
B) http://www.terminatorдиа.com

Ital diamant/Weha/Cyclone
A) By the authorized dealer in your area
Recommended tools

- **Tenax Mastidek**: Indoors/Outdoors
- **Integra Adhesives Surface Bonder Ultra**: Indoors / Outdoors
- **Akemi Colour Bond**: Indoors
- **Akemi Platinum**: Indoors / Outdoors

**What are the recommended parameters?**

<table>
<thead>
<tr>
<th>Tool</th>
<th>Drying time (minimum)</th>
<th>Initial waste (inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tenax Mastidek</td>
<td>30-150</td>
<td></td>
</tr>
<tr>
<td>Integra Adhesives</td>
<td></td>
<td>2-4</td>
</tr>
<tr>
<td>Akemi Colour Bond</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Akemi Platinum</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Requirements of my machine**

- Apply with a gun and disposable mouthpiece
- The pieces must be previously clean and dry
- Slots in the edges to improve adhesion

**Where can I get these tools?**

- **Tenax**: By the authorized dealer in your area
  (www.granquarzt.com)
- **Integra adhesives**: A) By the authorized dealer in your area
  B) Sales contact: contact@integra-adhesives.com
- **Akemi**: A) Web contact: www.braxton-bragg.com
  B) Web contact: www.granquarzt.com