Diamond tipped facade drill bit

The KEIL facade drill bit for drilling and undercutting to match the KEIL undercut anchor can be supplied in different versions. Diamond or carbide facade drill bits are used depending on the panel material to be drilled. Optimised small diameters with a large undercut result in minimum drilling time and maximum tool life.

Optimised small diameters with a large undercut result in minimum drilling time and maximum tool life.

The KEIL drilling technology guarantees optimum short drilling times, long tool life and a precise hole geometry.

The KEIL facade drill bit is placed in the KEIL drill head.

For use in

- For all „hard“ materials, such as ceramics, stoneware, natural stone, glass, artificial stone.
- Cooling takes place through the centre of the facade drill bit.

Accessories

- Fastener set 1 65
- Fastener set 2 65
- Fastener set 3 65
- Depth control guide for anchor hole 56
- Whetstone 66

Packaging

Comments

- KEIL undercut anchors are monitored by approved bodies

Usage

- Application only as per approval and KEIL installation instructions
- The depth control guide is used to adjust the insertion depth and to monitor the lifetime of the facade drill bit
- For KEIL chucks / undercutting drilling machines
- Recommended speed > 7.000 rpm
- Water pressure > 4 bar
Diamond tipped facade drill bit with countersink

Execution

- Diamond-tipped facade drill bit with countersink

For use in

Application
- For all "hard" materials, such as ceramics, stoneware, natural stone, glass, artificial stone. Cooling takes place through the centre of the facade drill bit.

Accessories
- Fastener set 1
- Fastener set 2
- Fastener set 3
- Depth control guide for anchor hole
- Whetstone

Packaging

Comments
- KEIL undercut anchors are monitored by approved bodies

Usage
- Application only as per approval and KEIL installation instructions
- The depth control guide is used to adjust the insertion depth and to monitor the lifetime of the facade drill bit
- For use with machines which use the front of a panel for the drill hole depth measurement reference.
- For KEIL chucks / undercutting drilling machines
- Recommended speed > 7.000 rpm
- Water pressure > 4 bar

Product information 515

Diamond facade drill bit with countersink

- Specially for drilling undercut holes in wall panels of varying thickness.
- Countersinking in thicker and uneven panels is carried out simultaneously in one step during drilling and undercutting.
- The front of the natural stone panel is always the reference dimension.
- The KEIL facade drill bit for drilling and undercutting to match the KEIL undercut anchor can be supplied in different versions.
- Diamond or carbide tipped facade drill bits are used depending on the panel material to be drilled.

- Optimised small diameters with a large undercut result in minimum drilling time and maximum tool life.
- The KEIL drilling technology guarantees optimum short drilling times, long tool life and a precise hole geometry.
- The KEIL facade drill bit is placed in the KEIL chuck.

<table>
<thead>
<tr>
<th>Ø 7,2</th>
<th>Ø 7,2</th>
<th>Ø 7,2</th>
</tr>
</thead>
<tbody>
<tr>
<td>+0,5</td>
<td>+0,5</td>
<td>+0,5</td>
</tr>
<tr>
<td>-0,5</td>
<td>-0,5</td>
<td>-0,5</td>
</tr>
<tr>
<td>+0,3</td>
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</tr>
<tr>
<td>-0,2</td>
<td>-0,2</td>
<td>-0,2</td>
</tr>
</tbody>
</table>

10 7/9 10/1,3/15 countersink Ø 15 2 515 012 000
15 7/9 15/1,3/15 countersink Ø 15 2 515 017 000
Diamond tipped facade drill bit for through holes

**Execution**
- Diamond-tipped facade drill bit for through holes

**For use in**
- For all “hard” materials, such as ceramics, stoneware, natural stone, glass, artificial stone. Cooling takes place through the centre of the facade drill bit.

**Application**
- For all “hard” materials, such as ceramics, stoneware, natural stone, glass, artificial stone. Cooling takes place through the centre of the facade drill bit.

**Accessories**
- Fastener set 1 65
- Fastener set 2 65
- Fastener set 3 65
- Whetstone 66

**Packaging**

**Usage**
- For KEIL chucks / undercutting drilling machines

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**Product information 515**

**Diamond facade drill bit**
- The KEIL facade drill bit for drilling through holes.
- Diamond or carbide tipped facade drill bits are used depending on the panel material to be drilled.
- The KEIL drilling technology guarantees optimum short drilling times, long tool life and a precise hole geometry.
- The KEIL facade drill bit is placed in the KEIL chuck.

<table>
<thead>
<tr>
<th>D (mm)</th>
<th>Trough Holes</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>5,0</td>
<td>2</td>
<td>515 100 050</td>
</tr>
<tr>
<td>10,0</td>
<td>2</td>
<td>515 100 100</td>
</tr>
</tbody>
</table>
Diamond tipped drill bit R1/2“

Execution

- Diamond-tipped undercutting facade drill bit

For use in

For all "hard" materials, such as ceramics, stoneware, natural stone, glass, artificial stone. Cooling takes place through the centre of the facade drill bit.

Application

- Depth control guide for anchor hole
- Whetstone

Accessories

- Depth control guide for anchor hole
- Whetstone

Packaging

Usage

- Application only as per approval and KEIL installation instructions
- The depth control guide is used to adjust the insertion depth and to monitor the lifetime of the facade drill bit
- CNC machine with R ½" chuck
- Undercutting is carried out by CNC control
- Recommended speed > 7,000 rpm
- Water pressure > 4 bar

Product information 515

Diamond facade drill bit

- The KEIL facade drill bit for drilling and undercutting to match the KEIL undercut anchor can be supplied in different versions.
- Diamond or carbide tipped facade drill bits are used depending on the panel material to be drilled.

- Optimised small diameters with a large undercut result in minimum drilling time and maximum tool life.
- The KEIL drilling technology guarantees optimum short drilling times, long tool life and a precise hole geometry.

<table>
<thead>
<tr>
<th>&lt;= 15</th>
<th>7/9 15/1,3</th>
<th>R 1/2&quot; for CNC</th>
<th>1</th>
<th>515 020 001</th>
</tr>
</thead>
</table>

Diamond tipped drill bit R1/2“

Diamond or carbide tipped facade drill bits are used depending on the panel material to be drilled.

Optimised small diameters with a large undercut result in minimum drilling time and maximum tool life.

The KEIL drilling technology guarantees optimum short drilling times, long tool life and a precise hole geometry.
Diamond tipped drill bit / CNC

Diamond-tipped undercutting facade drill bit with cylindrical shaft

For use in
- For all „hard“ materials, such as ceramics, stoneware, natural stone, glass, artificial stone. Cooling takes place through the centre of the facade drill bit.

Application
- Depth control guide for anchor hole 56
- Whetstone 66

Accessories
- Depth control guide for anchor hole 56
- Whetstone 66

Packaging

Usage
- Application only as per approval and KEIL installation instructions
- The depth control guide is used to adjust the insertion depth and to monitor the lifetime of the facade drill bit
- For CNC machines
- Recommended speed > 7.000 rpm
- Water pressure > 4 bar

Product information 515

Diamond facade drill bit
- The KEIL facade drill bit for drilling and undercutting to match the KEIL undercut anchor can be supplied in different versions.
- Diamond or carbide tipped facade drill bits are used depending on the panel material to be drilled.
- Optimised small diameters with a large undercut result in minimum drilling time and maximum tool life.
- The KEIL drilling technology guarantees optimum short drilling times, long tool life and a precise hole geometry.

Diamond tipped drill bit / CNC

Diamond facet drill bit / CNC

Optimised small diameters with a large undercut result in minimum drilling time and maximum tool life.

The KEIL drilling technology guarantees optimum short drilling times, long tool life and a precise hole geometry.

Execution

Diamond-tipped undercutting facade drill bit with cylindrical shaft

For use in
- For all „hard“ materials, such as ceramics, stoneware, natural stone, glass, artificial stone. Cooling takes place through the centre of the facade drill bit.

Application
- Depth control guide for anchor hole 56
- Whetstone 66

Accessories
- Depth control guide for anchor hole 56
- Whetstone 66

Packaging

Usage
- Application only as per approval and KEIL installation instructions
- The depth control guide is used to adjust the insertion depth and to monitor the lifetime of the facade drill bit
- For CNC machines
- Recommended speed > 7.000 rpm
- Water pressure > 4 bar

Product information 515

Diamond facade drill bit
- The KEIL facade drill bit for drilling and undercutting to match the KEIL undercut anchor can be supplied in different versions.
- Diamond or carbide tipped facade drill bits are used depending on the panel material to be drilled.
- Optimised small diameters with a large undercut result in minimum drilling time and maximum tool life.
- The KEIL drilling technology guarantees optimum short drilling times, long tool life and a precise hole geometry.
Diamond tipped facade drill bit 9/12

Execution
- Diamond-tipped undercutting facade drill bit

For use in
- For all "soft" materials with low strength.
  Cooling takes place through the centre of the facade drill bit

Application
- For all "soft" materials with low strength.
- Cooling takes place through the centre of the facade drill bit

Accessories
- Fastener set 1 ≤65
- Fastener set 2 ≤65
- Fastener set 3 ≤65
- Depth control guide for anchor hole ≤56
- Whetstone ≤66

Packaging

Usage
- Application only as per approval and KEIL installation instructions
- The depth control guide is used to adjust the insertion depth and to monitor the lifetime of the facade drill bit
- For KEIL chucks / undercutting drilling machines
- Recommended speed > 7,000 rpm
- Water pressure > 4 bar

Product information 515

Diamond facade drill bit
- The KEIL facade drill bit for drilling and undercutting to match the KEIL undercut anchor can be supplied in different versions.
- Diamond or carbide facade drill bits are used depending on the panel material to be drilled.
- Optimised small diameters with a large undercut result in minimum drilling time and maximum tool life.
- The KEIL drilling technology guarantees optimum short drilling times, long tool life and a precise hole geometry.
- The KEIL facade drill bit is placed in the KEIL drill head.

Infobox_Ausfuehrung_Ueberschrift
For use in
For all "soft" materials with low strength.
Cooling takes place through the centre of the facade drill bit

Accessories
Fastener set 1 ≤65
Fastener set 2 ≤65
Fastener set 3 ≤65
Depth control guide for anchor hole ≤56
Whetstone ≤66

Packaging

Usage
Application only as per approval and KEIL installation instructions
The depth control guide is used to adjust the insertion depth and to monitor the lifetime of the facade drill bit
For KEIL chucks / undercutting drilling machines
Recommended speed > 7,000 rpm
Water pressure > 4 bar
Diamond tipped facade drill bit with countersink 9/12

**Execution**

- Diamond-tipped facade drill bit with countersink

**For use in**

- For use in "soft" materials with low strength.
- Cooling takes place through the centre of the facade drill bit

**Application**

- For all "soft" materials with low strength.
- Countersinking in thicker and uneven panels is carried out simultaneously in one step during drilling and undercutting.
- The front of the natural stone panel is always the reference dimension.
- The KEIL facade drill bit for drilling and undercutting to match the KEIL undercut anchor can be supplied in different versions.
- Diamond or carbide tipped facade drill bits are used depending on the panel material to be drilled.

**Accessories**

- Fastener set 1
- Fastener set 2
- Fastener set 3
- Depth control guide for anchor hole
- Whetstone

**Packaging**

**Usage**

- Application only as per approval and KEIL installation instructions
- The depth control guide is used to adjust the insertion depth and to monitor the lifetime of the facade drill bit
- For use with machines which use the front of a panel for the drill hole depth measurement reference.
- For KEIL chucks / undercutting drilling machines
- Recommended speed > 7.000 rpm
- Water pressure > 4 bar

**Product information 515**

**Diamond facade drill bit with countersink**

- Specially for drilling undercut holes in wall panels of varying thickness.
- Optimised small diameters with a large undercut result in minimum drilling time and maximum tool life.
- Counter sinking in thicker and uneven panels is carried out simultaneously in one step during drilling and undercutting.
- The KEIL drilling technology guarantees optimum short drilling times, long tool life and a precise hole geometry.
- The KEIL facade drill bit is placed in the KEIL chuck.

- The KEIL facade drill bit with countersink 9/12
- Water pressure > 4 bar

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**KEIL**

- For use in "soft" materials with low strength.
- Countersinking in thicker and uneven panels is carried out simultaneously in one step during drilling and undercutting.
- The front of the natural stone panel is always the reference dimension.
- The KEIL facade drill bit for drilling and undercutting to match the KEIL undercut anchor can be supplied in different versions.
- Diamond or carbide tipped facade drill bits are used depending on the panel material to be drilled.
Carbide tipped facade drill bit

**Execution**
- Carbide-tipped undercutting facade drill bit

**Application**
- For facade panels of fibre cement, laminated materials (HPL), plastics or certain artificial and natural stones, for example.

**Accessories**
- Fastener set 1
- Fastener set 2
- Fastener set 3
- Depth control guide for anchor hole

**Packaging**

**Comments**
- KEIL undercut anchors are monitored by approved bodies

**Usage**
- Application only as per approval and KEIL installation instructions
- The depth control guide is used to adjust the insertion depth and to monitor the lifetime of the facade drill bit
- For KEIL chucks / undercutting drilling machines

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**Product information 517**

**Carbide tipped facade drill bit**
- The KEIL facade drill bit for drilling and undercutting to match the KEIL undercut anchor can be supplied in different versions.
- Diamond or carbide facade drill bits are used depending on the panel material to be drilled.
- Optimised small diameters with a large undercut result in minimum drilling time and maximum tool life.
- The KEIL drilling technology guarantees optimum short drilling times, long tool life and a precise hole geometry.
- The KEIL facade drill bit is placed in the KEIL drill head.

### Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Diameter</th>
<th>Flange Width</th>
<th>Depth</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
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<td>7/9 12/0,5</td>
<td>x-flat</td>
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<td>517 010 007</td>
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<tr>
<td>flat</td>
<td>7/9 12/0,8</td>
<td>flat</td>
<td>2</td>
<td>517 010 003</td>
</tr>
<tr>
<td>standard</td>
<td>7/9 12/0,8</td>
<td>standard</td>
<td>2</td>
<td>517 010 002</td>
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<tr>
<td>Eternit</td>
<td>8/10 12/0,5</td>
<td>Eternit, flat</td>
<td>2</td>
<td>517 010 001</td>
</tr>
<tr>
<td>Eternit, flat</td>
<td>8/10 12/0,5</td>
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<td>2</td>
<td>517 010 006</td>
</tr>
</tbody>
</table>

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**Info**

**Carbide tipped facade drill bit**

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**Carbide-tipped undercutting facade drill bit**
Carbide tipped drill bit / CNC

Execution

- Full carbide undercutting facade drill bit with cylindrical shaft

Application

- For facade panels of fibre cement, laminated materials (HPL), plastics or certain artificial and natural stones, for example.

Accessories

- Depth control guide for anchor hole 56

Packaging

Usage

- Application only as per approval and KEIL installation instructions 22
- The depth control guide is used to adjust the insertion depth and to monitor the lifetime of the facade drill bit
- For CNC machines

Product information 517

Carbide tipped facade drill bit

- The KEIL facade drill bit for drilling and undercutting to match the KEIL undercut anchor can be supplied in different versions.
- Diamond or carbide tipped facade drill bits are used depending on the panel material to be drilled.
- Optimised small diameters with a large undercut result in minimum drilling time and maximum tool life.
- The KEIL drilling technology guarantees optimum short drilling times, long tool life and a precise hole geometry.

<table>
<thead>
<tr>
<th>Type</th>
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<th>Cutting Edges</th>
<th>Quantity</th>
<th>Item Code</th>
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</thead>
<tbody>
<tr>
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<td>7/9/13/0,8/8</td>
<td>Two edges</td>
<td>1</td>
<td>517 020 001</td>
</tr>
<tr>
<td>Ø8.2</td>
<td>7/9/13/0,8/8</td>
<td>Three edges</td>
<td>1</td>
<td>517 020 005</td>
</tr>
<tr>
<td>Ø8.2</td>
<td>8/10/13/0,8/8</td>
<td>Two edges</td>
<td>1</td>
<td>517 020 003</td>
</tr>
</tbody>
</table>
Carbide tipped facade drill bit CNC 9/12

Execution
- Full carbide undercutting facade drill bit with cylindrical shaft

Application
- For facade panels of fibre cement, laminated materials (HPL), plastics or certain artificial and natural stones, for example.

Accessories
- Depth control guide for anchor hole

Packaging

Usage
- Application only as per approval and KEIL installation instructions
- The depth control guide is used to adjust the insertion depth and to monitor the lifetime of the facade drill bit
- For CNC machines

Product information 517

Carbide tipped facade drill bit
- The KEIL facade drill bit for drilling and undercutting to match the KEIL undercut anchor can be supplied in different versions.
- Diamond or carbide tipped facade drill bits are used depending on the panel material to be drilled.
- Optimised small diameters with a large undercut result in minimum drilling time and maximum tool life.
- The KEIL drilling technology guarantees optimum short drilling times, long tool life and a precise hole geometry.
HSS DIN 8037 carbide tipped
WS-Stopping unit

**Product information 517**

**HSS DIN 8037 carbide tipped**
- Ground with diamond wheels to the highest accuracy
- The 2-rake sharpening of the cutting angle form an exact center which makes the drill bit self centering
- Advantages:
  - Very precise holes with perfect surface
  - Less wear on the guide edge
  - More holes between re-grinding
  - High power for drilling with CNC-Machines

**Drive**

**Execution**
- Carbide tip according to DIN 8010
- Cutting angle 120°
- Profile-ground
- Right-hand cutting
- Short, cylindrical
- Driver on shaft as per DIN 1809
- Drill body of HSS
- Diametral tolerance h8
- With point thinning

**For use in**
- Insertion depth adjustable with WS-stopping ring

**Application**
- In stationary drilling machines
- Only for rotary use

**Accessories**
- WS-Stopping unit 42

**Packaging**

**WS-Stopping unit**

**Execution**
- Adjustable with internal socket grub screw M5

**Application**
- Use with HM-HSS Facade drill bit article 517 000 090

**Packaging**

**KEIL**