Speed Clean™ DXS Drilling System
Cleaner, Safer, Faster

Comply with OSHA requirements while saving anchor installation time

(800) 999-5099
strongtie.com
Dust Is the Enemy

OSHA mandated an 80% reduction in jobsite exposure limits for silica dust by September 23, 2017. These tougher standards are designed to keep workers safe and will require new dust containment practices on jobsites. Drilling and installing anchors into concrete and concrete block just got a bit more complicated.

Install Anchors Faster While Complying with New OSHA Requirements

Bosch and Simpson Strong-Tie have worked together to develop a vacuum drilling system that drills faster and captures dust at the moment it is created. The result is the Speed Clean DXS dust extraction system, a drilling solution that reduces dust on the jobsite and produces holes perfect for adhesive or mechanical anchor installation with no further cleaning.

- Drill holes 20% faster than with standard bits
- Eliminate “blow-brush-blow” cleaning previously required for AT-XP®, SET-XP® and SET-3G™ adhesives — greatly reducing dust and cutting installation time by up to 50%
- Contain dust while drilling into floors, walls and overhead to install mechanical anchors such as the Titen HD® screw anchor, Strong-Bolt® 2 wedge anchor or DIAB drop-in anchor

Dust travels through holes in the DXS bit head and up the shank to capture dust at the moment it is created.
Changing the Way Adhesive Anchors Are Installed

While great for many applications, the Speed Clean DXS dust extraction system was developed and tested specifically to facilitate installation of the AT-XP®, SET-XP® and SET-3G™ adhesives while cutting out the dusty, time-consuming “blow-brush-blow” hole-cleaning process. Automating dust removal also reduces the reliance on the installer to perform the cleaning process, thereby increasing the likelihood that anchors will be installed correctly.

- **Faster**: One worker can drill faster and “clean” holes at the same time rather than having two people on the task
- **Safer**: No more airborne dust shooting out of hole from cleaning with compressed air
- **Code listed**: AT-XP, SET-XP and SET-3G have been code listed for installation with the Speed Clean DXS system without any further cleaning
- **More reliable**: Reduces the potential for installer error during the hole-cleaning process
- **Fewer tools**: No need for a compressor, brushes or other accessories required for cleaning holes properly

### Anchoring Adhesives

**SET-3G**
- High-Strength Epoxy Adhesive
- For threaded rod and rebar
- Install in dry, water-saturated or water-filled holes in base materials with temperatures between 40°F and 100°F
- NSF/ANSI standard 61 approved

**SET-XP**
- High-Strength Epoxy Adhesive
- For threaded rod and rebar
- AC308 qualified for rebar doweling to achieve rebar yield, development length and lap splices
- NSF/ANSI standard 61 approved

**AT-XP®**
- High-Strength, Fast-Cure, All-Weather Acrylic Adhesive
- For threaded rod and rebar
- Can be used in cold temperatures as low as 14°F
- NSF/ANSI standard 61 approved

### The DXS Drill Bit

At the heart of the Speed Clean DXS system is a proprietary Bosch bit design that allows dust and debris to be removed through the hollow center of the bit during drilling. When used with a suitable rotary hammer and vacuum, the system removes dust from the hole at the moment it is created.

- Solid carbide cutters embedded in a steel head
- Robust four-cutter head enhances bit speed and life (does not pertain to all bits)
- Internal dust extraction channel
- Drill bit sizes available to fit SDS-plus® and SDS-max® rot hammers
- Rubber adapter connects drill-bit shaft to vacuum hose

* Does not apply to 1/8", 1/4" and 9/16" drill bits.
Simpson Strong-Tie is proud to offer Speed Clean DXS drill bits. Suitable rotary hammers and vacuums are available from Bosch and other manufacturers.

Bosch Rotary Hammer: Model RH432VCQ (recommended)

Bosch Vacuum: Model VAC140A, VAC090A

(Minimum vacuum airflow: 129 cfm with auto filter cleaner. Maximum no-load rotary hammer RPM: 760.)

**Speed Clean™ DXS Dust Extraction Drill Bits**

**Code Tested with AT-XP®, SET-XP® and SET-3G™ Adhesives**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Size (in.)</th>
<th>Drilling Depth (in.)</th>
<th>Threaded Rod Anchor (in.)</th>
<th>Rebar Anchor Products</th>
<th>Rebar Anchor Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>DXS-PL04313</td>
<td>SDS-plus®, 2 cutter</td>
<td>7/16 x 13</td>
<td>7 1/2</td>
<td>-</td>
<td>AT-XP and SET-3G</td>
<td>-</td>
</tr>
<tr>
<td>DXS-PL05013</td>
<td>SDS-plus, 2 cutter</td>
<td>1/2 x 13</td>
<td>7 1/2</td>
<td>-</td>
<td>#3</td>
<td>SET-XP</td>
</tr>
<tr>
<td>DXS-PL05615</td>
<td>SDS-plus, 2 cutter</td>
<td>9/16 x 15</td>
<td>10</td>
<td>1/2</td>
<td>-</td>
<td>AT-XP and SET-3G</td>
</tr>
<tr>
<td>DXS-PL06215Q</td>
<td>SDS-plus, 4 cutter</td>
<td>3/8 x 15</td>
<td>10</td>
<td>1/2</td>
<td>#4</td>
<td>SET-XP</td>
</tr>
<tr>
<td>DXS-PL06818Q</td>
<td>SDS-plus, 4 cutter</td>
<td>11/16 x 18</td>
<td>12 1/2</td>
<td>-</td>
<td>-</td>
<td>AT-XP and SET-3G</td>
</tr>
<tr>
<td>DXS-PL07518Q</td>
<td>SDS-plus, 4 cutter</td>
<td>7/8 x 18</td>
<td>12 1/2</td>
<td>-</td>
<td>#5</td>
<td>SET-XP</td>
</tr>
<tr>
<td>DXS-MX08027Q</td>
<td>SDS-max®, 4 cutter</td>
<td>3/4 x 21</td>
<td>12 1/2</td>
<td>-</td>
<td>#5</td>
<td>SET-XP</td>
</tr>
<tr>
<td>DXS-MX08031Q</td>
<td>SDS-max, 4 cutter</td>
<td>15/16 x 25</td>
<td>15</td>
<td>3/4</td>
<td>-</td>
<td>AT-XP</td>
</tr>
<tr>
<td>DXS-MX08072Q</td>
<td>SDS-max, 4 cutter</td>
<td>15/16 x 25</td>
<td>15</td>
<td>3/4</td>
<td>#6</td>
<td>SET-XP and SET-3G</td>
</tr>
<tr>
<td>DXS-MX08102Q</td>
<td>SDS-max, 4 cutter</td>
<td>1 x 27</td>
<td>17 1/2</td>
<td>-</td>
<td>#7</td>
<td>SET-XP and SET-3G</td>
</tr>
<tr>
<td>DXS-MX1220Q</td>
<td>SDS-max, 4 cutter</td>
<td>1 1/4 x 29</td>
<td>20</td>
<td>1</td>
<td>#8</td>
<td>SET-XP, AT-XP and SET-3G</td>
</tr>
<tr>
<td>DXS-MX13734Q</td>
<td>SDS-max, 4 cutter</td>
<td>1 1/4 x 29</td>
<td>25</td>
<td>1 1/4</td>
<td>#10</td>
<td>SET-XP, AT-XP and SET-3G</td>
</tr>
</tbody>
</table>

**Speed Clean DXS Dust Extraction Adapters**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Retail Package</th>
<th>Carton Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>DXS-MXADP</td>
<td>SDS-max adapter</td>
<td>1 adapter</td>
<td>10</td>
</tr>
<tr>
<td>DXS-PLADP</td>
<td>SDS-plus adapter</td>
<td>1 adapter</td>
<td>10</td>
</tr>
</tbody>
</table>

Through collaborative efforts such as the Speed Clean DXS dust extraction system, Bosch and Simpson Strong-Tie are committed to optimizing every step of the installation process to save time on the jobsite and ensure the performance of the anchor. Our goal as technology leaders in our industries is to combine our talents and decades of experience to provide choices that help projects come in on time and under budget.