DUCTMATE
PRODUCT CATALOG
Issue 24

One Source.
Infinite Solutions.
Hang With Confidence

Cable Shark CS125 and CS250 now available with time-saving tools and accessories, making hanging duct easier than ever.

New Innovative Product Solutions

New factory complete double wall system

New factory installed double wall design sold as a complete connection and easily adjustable at connections, fittings, and gore elbow segments.

Gecko Glue Silver Totes

For large insulation projects, the Gecko Glue Silver 275-gallon tote has you covered by reducing your inventory, material costs, and production interruptions.

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PROflex Master Rolls

Scrap Less, Save More

PROflex master rolls now available in various lengths, resulting in notable labor savings on every project.

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Cable Shark

Hang With Confidence

Spiralmate Doublewall

New factory complete double wall system

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Spiralmate®

Cable Shark

Hang With Confidence

New factory installed double wall design sold as a complete connection and easily adjustable at connections, fittings, and gore elbow segments.
NEW!

exceeding the purchase price that the Purchaser paid to Ductmate for the allegedly defective product.

any other special, incidental or consequential damages, shall be available to the Purchaser for any claim arising out of this Agreement, regardless of whether

reinstallation of the product. The Purchaser agrees that no other remedy, including but not limited to loss of profits, loss sales, injury to person or property, or

or replacement of any defective products, or refund of an applicable portion of the purchase price. Ductmate shall have no liability for costs of removal or

Limitation of Liability

customer assumes all risk and liability whatsoever regarding such suitability

Purchaser's responsibility to test and determine the suitability of the products in this catalog for the intended use and purpose, and Purchaser and/or its

The warranty stated above is in lieu of all other warranties, express or implied, including but not limited to the implied warranties of MERCHANTABILITY AND

Warranty Limitation

At Ductmate Industries we are working toward full compliance with The Safe Drinking Water and Toxic Enforcement Act of 1986 (CA Prop. 65). To meet CA Prop.

65 requirements, Ductmate has engaged all our raw material and component suppliers in order to identify any declarable substances in our products that would

ingo on. Consequently, Ductmate Industries intends to conduct ongoing due diligence and invites

To date, we have identified declarable substances in products that require additional labeling and/or updated SDS. Updated SDS documents can be found

online at https://ductmate.com/prop-65 for the products listed below. Prop 65 information is located in Section 15 of the document. These updated
documents are also available on each individual product page on ductmate.com.

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NEW!

Important Information California Proposition 65

As you are undoubtedly aware, CA Prop. 65 is a dynamic regulation that frequently has substances added, new guidance documentation released, and is

impacted by frequent changes to the case law due to ongoing litigation. Consequently, Ductmate Industries intends to conduct ongoing due diligence and invites

you to inquire from time to time concerning updates and changes that might have impacted this declaration.

Limited Product Warranty

Ductmate warrants that the products in this catalog, when properly installed and maintained, will be free from defects in material and workmanship, and will comply

with all written specifications made by Ductmate at the time of sale. Ductmate’s warranty shall run for a period of one year from the date of manufacture.

Warranty Limitation

The warranty stated above is in lieu of all other warranties, express or implied, including but not limited to the implied warranties of MERCHANTABILITY AND

FITNESS FOR A PARTICULAR PURPOSE. Although Ductmate may have suggested the product, or provided written or oral advice to the Purchaser, it is the

Purchaser’s responsibility to test and determine the suitability of the products in this catalog for the intended use and purpose, and Purchaser and/or its

customer assumes all risk and liability whatsoever regarding such suitability

Limitation of Liability

In the event of a breach of the above warranty, Ductmate’s sole obligation, and Purchaser’s sole and exclusive remedy, shall be, at Ductmate’s option, repair

or replacement of any defective products, or refund of an applicable portion of the purchase price. Ductmate shall have no liability for costs of removal or

reinstallation of the product. The Purchaser agrees that no other remedy, including but not limited to loss of profits, loss sales, injury to person or property, or

any other special, incidental or consequential damages, shall be available to the Purchaser for any claim arising out of this Agreement, regardless of whether

such claim is made in contract or in tort, including strict liability in tort. In no event will Ductmate be obligated to pay damages to the Purchaser in any amount

exceeding the purchase price that the Purchaser paid to Ductmate for the allegedly defective product.

This catalog is printed using recycled and Sustainable Forestry Initiative (SFI) Certified fibers.
The Ductmate® Advantage

DUCTMATE REPUTATION & CERTIFIED QUALITY ASSURANCE
Every Ductmate product is specially designed and engineered to perform a specific function. Structural integrity, proven performance, and added value are built right in. Strict tolerances and high quality control standards are the fundamental principles in our manufacturing guidelines. We are also committed to providing the sheet metal industry with new cutting edge products and technology to increase your productivity and profits in this highly competitive industry.

ENGINEERING ASSISTANCE
Our engineering department will work with you to design and engineer the best possible solution to those difficult or unusual systems. Whether you’re dealing with high winds, snow loads, excessive pressures, specialty alloys, or critical air systems, we’ve dealt with virtually every difficult and unusual duct application you may encounter.

ASSEMBLY AND INSTALLATION TRAINING
Using one of our connector systems for the first time? Have new or additional manpower for a project? Facing a “super tight” spec? Our technicians are available for comprehensive hands-on product training at both your shop and job-site upon request. We also offer detailed assembly and installation videos and manuals, all to help ensure that the system is installed correctly—right from the start!

DUCTMATE SOLID TECHNICAL SUPPORT
Answers to your questions or problems as they occur are only a phone call away. Our engineering and technical assistance department will back up their information with test results and technical data you need to solidify your position as the HVAC expert on-site. Whenever you have a difficult or critical HVAC project, We can provide the kind of technical assistance that can give you a strong competitive edge when you’re bidding, fabricating, and installing. For those unusual, challenging, or downright difficult projects, Ductmate’s trained specialists can back up your personnel in several key areas. We are committed to providing you with the quality and service you expect and deserve when using any Ductmate product.

FOR MORE INFORMATION OR TO ACCESS OUR SUPPORT TEAM, CALL
1 - 800 - 245 - 3188 or visit us online at www.ductmate.com.
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### Important Notes:
- Product & material availability chart is a reference guide only and availability, lead times and minimum order quantities may fluctuate or change without notice.
- Due to the large number of model options available in each product category, not all models are available in special alloys. Please consult factory for suitable product substitutions.
- Consult factory on large orders and projects.
- Refer to product page for additional product information.
- PVC coated Sandwich access door are available in uninsulated models only.
- 24" x 18" Sandwich access doors are only available in galvanized and 316SS.
MONEY SAVING VALUE ADDED FEATURES

- Air Tight
- No Added Sealing
- Clean Appearance
- Used as an architectural feature
- Rigorously Tested
- Strong equal to SMACNA F, J, and K
- Increases structural integrity of duct
- Substantial savings on duct gauges & reinforcements
- Cost effective at 1" standing- or heavier when sealing is required & all factors considered
- Can be shipped K.D. to job sites
- Quick & simple to install
- Exclusive no-bolt & down set corner systems on 25 & 35 systems
- Universal bull nosing eliminates shop fabrication
- Engineering & technical support
- Installation videos & manuals
- Detailed duct construction tables & sketches
- Installation information available for virtually any application

THE DUCTMATE System Components:

- NO-BOLT CORNER
  Common to '25'/'35'™ Systems
  Tab locks into notch on Corner Piece
  1/2" x 32mm

- UNIVERSAL PRESS-ON BULLNOSING
  Ductmate Flange or T.D.C.™ T.D.F.™
  Duct Wall
  Insulation
  A=1", 1.5", or 2"
  Press-On Bullnosing

- CLEATER TOOLS
  Ideal tools for attaching any type of cleat to a Flange Joint where spacing is not a consideration.
  Use the Cleater 1 & 2 in conjunction with Ductmate Metal Cleat.
  Use the Versa Cleater in conjunction with Ductmate Versa Cleat.
  Use the Snapper 1 Tool in conjunction with W.D.C.I. and T.D.C./T.D.F. Cleats

- CLEAT OPTIONS
  Common to '25'/'35'/'45' Systems
  VERSA Cleat, Metal Cleat, PVC Cleat, Bolt On Cleat

- Ductmate Gaskets
  Ductmate 440™ Butyl & Neoprene See pg. 53

- CORNER ALIGNMENT TOOL
  Modified vise grip can facilitate installation of corner clips
  AG2000

Made With U.S. Steel

Revit Files Available
Visit Ductmate.com

Ideas that work for you everyday...
DUCTMATE RECTANGULAR SYSTEMS SPECIFICATIONS

‘25’ ‘35’ & ‘45’® SYSTEMS

TECHNICAL DATA
The characteristics of a particular duct connection or joint are usually referenced to the Sheet Metal and Air Conditioning Contractors National Association (SMACNA) Manuals. SMACNA encourages the use of new technology, but does not endorse proprietary products. The Ductmate ‘45’, ‘35’ and ‘25’ Systems have been tested in accordance with SMACNA procedures with no external sealant employed. The tests reveal: the Ductmate ‘45’ Systems are comparable to the SMACNA Class “K” transverse joint, the Ductmate ‘35’ Systems are comparable to the SMACNA Class “J” transverse joint and the Ductmate ‘25’ Systems are comparable to the SMACNA Class “F” joint.

Virtually no leakage at up to 10” WG positive pressure or down to 10” WG negative pressure. Consult Ductmate for static pressures exceeding these specifications. Complete test data is available upon request.

LIMITATIONS
The Ductmate ‘45’ System is not recommended for applications with duct gauges heavier than 10 GA. or lighter than 22 GA. The Ductmate ‘35’ System is not recommended for applications with duct gauges heavier than 16 GA. or lighter than 26 GA. The Ductmate ‘25’ System is not recommended for applications with duct gauges heavier than 20 GA. or lighter than 26 GA.

COMPOSITION AND MATERIALS
The Ductmate Systems consist of the following components:

a. Ductmate ‘45’ Angle is roll-formed from 18 GA. galvanized steel with an integral sealant.
b. Ductmate ‘35’ Angle is roll-formed from 20 GA. galvanized steel, with an integral sealant.
c. Ductmate ‘25’ Angle is roll-formed from 24 GA. galvanized steel, with an integral sealant.
d. Ductmate Corner Pieces inserted into the hollow web of the Ductmate Angle. See drawing on page 7 for corner styles.
e. Metal Cleat is roll-formed from 20 GA. galvanized steel. (PVC Cleat is available upon request).
f. Ductmate ‘45’ VersaCleat is roll-formed from 22 GA. galvanized steel.
g. Also available: optional Ductmate ‘45’ bolt-on cleat, rolled from 11 GA. electroplate galvanized steel.
h. Gasket is extruded butyl for use between mating flanges. (Neoprene gasket is available upon request).
i. Corner Clips are 16 GA. galvanized steel. (Use of nuts and bolts optional: 3/8” x 1” for DCIIIB, 5/16” x 1” for Ductmate DC25 Corner).

DIMENSIONS
Refer to drawings on page 7.

APPLICABLE STANDARDS
Angle Steel: ASTM-A-653 G 60/90
Corner Steel: ASTM A-653 G 60/90
Mastic: Ductmate 5511M
Gasket: Ductmate 440™

TECHNICAL SERVICES
Detailed assembly and installation instructions, and videos showing step-by-step procedures, are available from the manufacturer and on the Ductmate website. Factory trained personnel are available upon request, at no charge to instruct new customers in the use of the Ductmate Systems.

GUARANTEES
All component parts of the Ductmate Systems are guaranteed against defective material.

DUCTMATE SNAP-ON CLEAT

PVC CLEAT*
Polyvinyl chloride (PVC) is an organic polymer derived from petroleum and salt.

Performance Properties:

• Relatively high ignition resistance:
  Flash ignition 391°C/735°F
  Self ignition 454°C/850°F

• Low fuel contribution
• Lack of flaming drips
• High external heat necessary to maintain combustion
• UL94-Passes
• UL723 (ASTM E-84) Test Data:
  Flame Spread: 10
  Fuel Contribution: 0
  Smoke Density: 10
• Service Temp: +32°F to +150°F

* Not recommended for outdoor applications. For applications involving chemicals, consult factory.

METAL CLEAT
DM® Metal Cleat is roll-formed 20 GA. galvanized steel for application around perimeter of transverse joint. (See installation manual for correct usage).

BOLT ON CLEAT
Ductmate Bolt-On Cleat is ideal for all flange applications including DM 25/35/45.

Part Number:
D45CGA
200pcs/box
**How to Order A Complete Ductmate Rectangular Duct Connection System:**

<table>
<thead>
<tr>
<th>Ductmate Flange</th>
<th>Compatible Corner(s)</th>
<th>Standard Bundle Sizes*</th>
<th>Cleat</th>
<th>Gasket**</th>
<th>Available Alloys***</th>
</tr>
</thead>
</table>
| D45 - 18 ga.     | DC45 - 11 ga.        | (10) 1,000 LF         | DV6C  | 440 3/16" x 1" x 25'
(250 Pcs. @ 61.25 lbs/carton) | GA=Galvanized       |
|                  |                      | (50) 500 LF           | DV10CGA | 440 3"x2"x1/8" Butyl Gasket Patches (512 patches/carton) | |
|                  |                      | 10' lengths available |                   |         |                   |
| D35 - 20 ga.     | D3A - 16 ga.         | (10) 1,000 LF         | D6C   | 440 3/16" x 5/8" x 25'
(500 Pcs. @ 45 lbs/carton) | GN=Galvanneal       |
|                  | D3B - 16 ga.         | (15) 1,500 LF         |       |         |                   |
|                  | DC35 - 12 ga.        | (20) 2,000 LF         |       |         |                   |
|                  | BD35 - 12 ga.        | (30) 3,000 LF         |       |         |                   |
|                  |                      | All bundles composed  |       |         |                   |
|                  |                      | of 20' lengths        |       |         |                   |
|                  |                      | 10' lengths available |       |         |                   |
| D25 - 24 ga.     | DJR - 16 ga.         | (10) 1,000 LF         | D0C   | 440 3"x2"x1/8" Butyl Gasket Patches (512 patches/carton) | BI=Black Iron |
|                  | DBJR - 16 ga.        | (15) 1,500 LF         |       |         |                   |
|                  |                      | (20) 2,000 LF         |       |         |                   |
|                  |                      | (30) 3,000 LF         |       |         |                   |
|                  |                      | All bundles composed  |       |         |                   |
|                  |                      | of 20' lengths        |       |         |                   |
|                  |                      | 10' lengths available |       |         |                   |

* Consult distributor on minimum ordering requirements
** 440 Butyl Gasket is recommended for standard H.V.A.C. systems
*** Specialty alloys available in exact quantities

**Ductmate Flange Part No. Key**

<table>
<thead>
<tr>
<th>Profile Size*</th>
<th>Bundle Size</th>
<th>Alloy*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example: D35</td>
<td>30=3000'</td>
<td>GA=Galvanized</td>
</tr>
<tr>
<td>D35=Ductmate '35' Flange</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Ductmate Corners Part No. Key**

<table>
<thead>
<tr>
<th>Corner Type*</th>
<th>Alloy*</th>
</tr>
</thead>
<tbody>
<tr>
<td>D3B=Ductmate No-Bolt Corner</td>
<td></td>
</tr>
</tbody>
</table>

**Universal Press-On Bullnosing Part No. Key**

<table>
<thead>
<tr>
<th>Bullnosing</th>
<th>Size</th>
<th>Alloy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example: BN</td>
<td>1 = 1&quot;</td>
<td>GA = Galvanized</td>
</tr>
<tr>
<td>1.5 = 1 ½&quot;</td>
<td>2 = 2&quot;</td>
<td>S6 = 316 Stainless Steel</td>
</tr>
</tbody>
</table>

**Ductmate Corners Ordering Information**

<table>
<thead>
<tr>
<th>Corner Type*</th>
<th>Corresponding Flange</th>
<th>Gauge</th>
<th>Clip / Bolt</th>
<th>Pkg. Quantity</th>
<th>Pkg. Weight (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC45™</td>
<td>DM45™</td>
<td>11</td>
<td>Requires ½&quot; Bolt (Not Included)</td>
<td>100 / Carton</td>
<td>33 lbs. / Carton</td>
</tr>
<tr>
<td>D3A</td>
<td>DM35®</td>
<td>16</td>
<td>Requires ¾&quot; Carriage Bolt (Not Included)</td>
<td>250 / Carton</td>
<td>40 lbs. / Carton</td>
</tr>
<tr>
<td>D3B</td>
<td>DM35®</td>
<td>16</td>
<td>Corner Clip Included w/Order †</td>
<td>250 / Carton</td>
<td>43 lbs. / Carton</td>
</tr>
<tr>
<td>DC35™</td>
<td>DM35®</td>
<td>12</td>
<td>Requires ¾&quot; Carriage Bolt (Not Included)</td>
<td>100 / Carton</td>
<td>43.8 lbs. / Carton</td>
</tr>
<tr>
<td>BDC35</td>
<td>DM35®</td>
<td>12</td>
<td>¾&quot; Carriage Bolt Included w/Order †</td>
<td>200 / Carton</td>
<td>49.8 lbs. / Carton</td>
</tr>
<tr>
<td>DJR™</td>
<td>DM25™</td>
<td>16</td>
<td>Corner Clip Included w/Order †</td>
<td>250 / Carton</td>
<td>34 lbs. / Carton</td>
</tr>
<tr>
<td>DBJR</td>
<td>DM25™</td>
<td>16</td>
<td>Nut &amp; Bolt Included †</td>
<td>250 / Carton</td>
<td>30 lbs. / Carton</td>
</tr>
</tbody>
</table>

* Please see Table 1 above for all available corner types and alloys
† Extra Carriage Bolts 125 per bag are also available: Part No. CBGA
‡ Extra Corner Clips 500 per box are also available: Part No. DCLPGABX

---

**Examples:**

- **D4530GA**
- **D3BGA**
- **BN1GA**

---

**Ideen that work for you everyday...**
DUCTMATE RECTANGULAR SYSTEMS (CONT.)

**DUCTMATE ‘45’ (SMACNA ‘K’ RATED)**

**DUCTMATE ‘35’ (SMACNA ‘J’ RATED)**

**DUCTMATE ‘25’ (SMACNA ‘F’ RATED)**

ESTIMATING DUCTMATE ‘25’ ‘35’ & ‘45’ COMPONENTS

**FLANGES ESTIMATING FORMULA:** Per Duct Size \([(W + H) ÷ 3]\) x # of Duct Sections.
Add Requirement For Each Size To Determine Total flange Needed.

**Example:** Duct size 40" x 30" @ 60 joints.

\[\frac{(40" + 30")}{3} \times 60 = 1400\text{’} \text{ of Flange}.\]

**CORNERS:** Approx. (1) corner for every (3 lf) of flange = 1400 ÷ 3 = 467 (250 pcs/box)

**CLEAT:** Approx. (6") of cleat for every (4’) of flange = 1400 ÷ 4 = 350 (6” ea @ 250 lf/ctn or 500 pcs)

**GASKETING:** Approx. 1 lf per 2 lf of Flange = 1400 ÷ 2 = 700’ (20 rolls @ 25’ per roll or 500 lf per ctn)

**SAMPLE ORDER:**

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Part Number</th>
<th>Description</th>
<th>Total Required</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Bundle</td>
<td>D3515GA</td>
<td>Ductmate ‘35’</td>
<td>1500 ft.</td>
<td>1035 lbs.</td>
</tr>
<tr>
<td>(2) Box</td>
<td>D3BGA</td>
<td>No-Bolt Corners</td>
<td>500 pcs.</td>
<td>86 lbs.</td>
</tr>
<tr>
<td>(1) Box</td>
<td>D6CGA</td>
<td>6” Metal Cleat</td>
<td>500 pcs.</td>
<td>45 lbs.</td>
</tr>
<tr>
<td>(2) Box</td>
<td>440 3/16” x 5/8”</td>
<td>440 Butyl Gasket</td>
<td>1000 lf.</td>
<td>90 lbs</td>
</tr>
</tbody>
</table>

*NOTE: COMPONENT QUANTITIES WILL VARY WITH SIZE OF DUCT.*
The W.D.C.I. System
Includes:
440 Butyl Gasket

A non-hardening butyl rubber tape with superior sealing and adhesive qualities for a permanent, leak-proof W.D.C.I. connection

Snap-On Cleat
(Common to ‘J’ & ‘H’ Systems)

PVC Cleat
Metal Cleat

Bolt-On Cleat

SNAPPER 1
Ideal tool for attaching cleat to W.D.C.I. Flange Joint.

Universal Press-On Bullnosing

THE W.D.C.I. ‘J’ & ‘H’ SLIDE-ON CONNECTORS
MONEY SAVING VALUE ADDED FEATURES

- **AIR TIGHT**
- **NO ADDED SEALING**
- **CLEAN APPEARANCE**
- **USED AS AN ARCHITECTURAL FEATURE**
- **RIGOROUSLY TESTED**
- **STRONG**
- **INCREASES STRUCTURAL INTEGRITY OF DUCT**
- **SUBSTANTIAL SAVINGS ON DUCT GAUGES & REINFORCEMENTS**
- **COST EFFECTIVE AT 1” STANDING-S OR HEAVIER WHEN SEALING IS REQUIRED & ALL FACTORS CONSIDERED**
- **CAN BE SHIPPED K.D. TO JOBSITES**
- **QUICK & SIMPLE TO INSTALL**
- **BULL NOSING KITS**
- **ENGINEERING & TECHNICAL SUPPORT**
- **INSTALLATION MANUALS**
- **DETAILED DUCT CONSTRUCTION TABLES & SKETCHES**

Cleat can be snapped-on or driven-on for large sections of duct or inaccessible areas

Angle is roll-formed from galvanized steel

Gasket Tape is applied to W.D.C.I. Flanges before joining duct sections for a no-leak seal

Integral mastic sealant perfects the seal

Special guide facilitates duct wall entry
W.D.C.I. ‘J’ & ‘H’ Systems

COMPOSITION AND MATERIALS
The W.D.C.I. Systems consist of the following components:

a. W.D.C.I. ‘J’ Angle is roll-formed from 20 GA. galvanized steel, with an integral sealant.
b. W.D.C.I. ‘H’ Angle is roll-formed from 22 GA. galvanized steel, with an integral sealant.
c. W.D.C.I. Corner Pieces are inserted into the hollow web of the respective angle. See drawing below for corner styles.
d. Metal cleat is roll-formed from 22 GA. galvanized steel. (PVC Cleat is available upon request).
e. Gasket is extruded butyl for use between mating flanges. (Neoprene gasket is available upon request).
f. Nuts & Bolts

- 3/8" x 1" for W.D.C.I. ‘J’
- 1/4" x 1" for W.D.C.I. ‘H’

TECHNICAL SERVICES
Detailed assembly and installation instructions, and videos showing step-by-step procedures, are available from the manufacturer and on the Ductmate website. Factory trained personnel are available upon request, at no charge to instruct new customers in the use of the W.D.C.I. Systems.

W.D.C.I. CLEAT
PVC CLEAT
Polyvinyl chloride (PVC) is an organic polymer derived from petroleum and salt.

Performance Properties:
- Relatively high ignition resistance:
  - Flash ignition 391°C/735°F
  - Self ignition 454°C/850°F
- Low fuel contribution
- Lack of flaming drips
- High external heat necessary to maintain combustion
- UL94-Passes
- UL723 (ASTM E-84) Test Data:
  - Flame Spread: 10
  - Fuel Contribution: 0
  - Smoke Density: 10
  - Service Temp: +32°F to +150°F
- PVC Cleat is used around perimeter of transverse joint. Not recommended for roof top applications.

METAL CLEAT
W.D.C.I. Metal Cleat is roll-formed of 22 GA. galvanized steel for application around perimeter of transverse joint. (See installation manual for correct usage).

LIMITATIONS
The W.D.C.I. ‘J’ System is not recommended for applications with duct gauges heavier than 16 GA. or lighter than 26 GA.
The W.D.C.I. ‘H’ System is not recommended for application with duct gauges heavier than 20 GA. or lighter than 26 GA.

DIMENSIONS
Refer to drawings below.

APPLICABLE STANDARDS
Angle Steel: ASTM-A-653 G60/90
Corner Steel: ASTM A-653 G60/90
Mastic: 5511M
Gasket: Ductmate 440

W.D.C.I. ‘J’ & ‘H’ System Components

<table>
<thead>
<tr>
<th>W.D.C.I. - LIGHT ‘H’ FLANGE</th>
<th>W.D.C.I. ‘H’ CORNER</th>
</tr>
</thead>
<tbody>
<tr>
<td>22 GA. Metal Cleat</td>
<td>11 GA. - GALVANIZED</td>
</tr>
<tr>
<td>Roll-formed from G60</td>
<td></td>
</tr>
<tr>
<td>22 GA. Galv. Steel</td>
<td></td>
</tr>
<tr>
<td>Integral Sealant</td>
<td></td>
</tr>
<tr>
<td>7/8&quot; (2.28 cm)</td>
<td></td>
</tr>
<tr>
<td>3&quot; (7.62 cm)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>W.D.C.I. - HEAVY ‘J’ FLANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>22 GA. Metal Cleat</td>
</tr>
<tr>
<td>Roll-formed from G60</td>
</tr>
<tr>
<td>20 GA. Galv. Steel</td>
</tr>
<tr>
<td>Integral Sealant</td>
</tr>
<tr>
<td>1/2&quot; (3.65 cm)</td>
</tr>
<tr>
<td>3&quot; (7.62 cm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>W.D.C.I. ‘J’ CORNER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 GA. - GALVANIZED</td>
</tr>
</tbody>
</table>

Hole for 3/8" x 1” Carriage Bolt

UNIVERSAL PRESS-ON BULLNOSING

Duct Wall
Insulation
A/1", 1.5", or 2"

Press-On Bullnosing

Hole for 1/4" x 1” Carriage Bolt

Ideas that work for you everyday...

FLANGES ESTIMATING FORMULA: Per Duct Size [(W + H) ÷ 3] x # of Duct Sections.
Add Requirement For Each Size To Determine Total flange Needed.
Example: Duct size 40” x 30” @ 60 joints.
((40” + 30”) ÷ 3) x 60 = 1400’ of Flange.
CORNERS: Approx. (1) corner for every (3’) of flange = 1400 ÷ 4 = 350 (6” ea @ 250 lf/ctn or 500 pcs)
GASKETING: Approx. 1’ per 2’ of Flange = 1400 ÷ 2 = 700’ (20 rolls @ 25’ per roll or 500 lf per ctn)

SAMPLE ORDER:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Part No.</th>
<th>Description</th>
<th>Total Required</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Bundle</td>
<td>WJ15GA</td>
<td>W.D.C.I. ‘J’</td>
<td>1500 ft.</td>
<td>1095 lbs.</td>
</tr>
<tr>
<td>(2) Box</td>
<td>WJCGA</td>
<td>Carriage Bolt Corners</td>
<td>400 pcs.</td>
<td>109 lbs.</td>
</tr>
<tr>
<td>(1) Box</td>
<td>W6CGA</td>
<td>6” Metal Cleat</td>
<td>500 pcs.</td>
<td>50 lbs.</td>
</tr>
<tr>
<td>(2) Box</td>
<td>440 3/16 x 5/8</td>
<td>440 Butyl Gasket</td>
<td>1000 lf.</td>
<td>90 lbs.</td>
</tr>
</tbody>
</table>

NOTE: COMPONENT QUANTITIES WILL VARY WITH SIZE OF DUCT.
SLIP AND DRIVE TYPE CONNECTIONS

STANDING S, SLIPS, AND DRIVES
Part Number and Ordering Information

* Reinforcing bar not included

Slip & Drive System Part No. Key

<table>
<thead>
<tr>
<th>Connector Type</th>
<th>Standing S Height</th>
<th>Alloy</th>
<th>Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>SS = Standing S</td>
<td>1 = 1&quot;</td>
<td>GA = Galvanized</td>
<td>20 = 20 GA</td>
</tr>
<tr>
<td>HS = Hemmed S</td>
<td>.5 = 1/2&quot;</td>
<td>GN = Galvannealed</td>
<td>22 = 22 GA</td>
</tr>
<tr>
<td>DS = Drive Slip</td>
<td>1.625 = 15/8&quot;</td>
<td>AZ = Aluminized</td>
<td>24 = 24 GA</td>
</tr>
<tr>
<td>SDS = Standing Drive Slip</td>
<td></td>
<td>AL = Aluminum</td>
<td>26 = 26 GA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S4 = 304 Stainless</td>
<td>28 = 28 GA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S6 = 316 Stainless</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PVC = PVC Coated</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>BI = Black Iron</td>
<td></td>
</tr>
</tbody>
</table>

Note: May not be available in all alloys

Packaging: 10’ Lengths/100’ Bundles
Hemmed S Slip, Drive Slip and 1/2” Standing S are also available in 5’ lengths
Additional lead time and charges will be applied to all cut to length orders.

Weights Listed In Lbs/Ft

<table>
<thead>
<tr>
<th>Gauges</th>
<th>½” Standing S</th>
<th>1” Standing S</th>
<th>1¼” Standing S</th>
<th>Hemmed S</th>
<th>Drive-Slip</th>
<th>Standing Drive Slip</th>
<th>Color Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 Ga.</td>
<td>N/A</td>
<td>0.78</td>
<td>0.79*</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Yellow</td>
</tr>
<tr>
<td>22 Ga.</td>
<td>N/A</td>
<td>0.58</td>
<td>0.68*</td>
<td>N/A</td>
<td>N/A</td>
<td>0.46</td>
<td>Green</td>
</tr>
<tr>
<td>24 Ga.</td>
<td>0.41</td>
<td>0.55*</td>
<td>N/A</td>
<td>0.32*</td>
<td>0.19*</td>
<td>0.40</td>
<td>Orange</td>
</tr>
<tr>
<td>26 Ga.</td>
<td>0.35*</td>
<td>0.44</td>
<td>N/A</td>
<td>0.25*</td>
<td>0.15*</td>
<td>0.33</td>
<td>Blue</td>
</tr>
<tr>
<td>28 Ga.</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>0.23</td>
<td>0.12</td>
<td>N/A</td>
<td>Red</td>
</tr>
</tbody>
</table>

* Most popular gauges per connector
Note: N/A designates gauges not available

Cut to length Slips and Drives 24 and 26 Gauge
(100 Pieces Per Carton)

Hemmed Slip – 6” through 24” in 2” increments
(can be manufactured in 1” increments upon request)

Drive Slip – 6” through 26” in 2” increments
(can be manufactured in 1” increments upon request)

Straight end (Hemmed S)

Straight end with 45° bevel (Drive slip only)

Tabbed end with 45° bevel (Drive slip only)
CORNERMATIC® Strap-Pak™ CORNERS

STRAP-Pak™ CORNERS

Available In TDC®, TDF® & Universal

Special Characteristics

Patented Strap-Pack magazines system is the most efficient means of loading Cornermatic corners into all automatic insertion machines.

- Fastest most efficient loading option available
- Reduces shop labor.
- Uniform Stack reduces jamming & machinery down time.
- Precision Stamped 16 ga. steel.
- 80 Corners per magazine / 400 case)
- 5 sleeves/master carton (400 corners)
- 40 boxes/pallet (16,000 corners)
- Non-Strap Packs 250 per / box
- Available in 8 alloys
- Designed for 3/8: carriage bolt

Compatible Machines

Iowa Precision
- Single Head
- Dual Head
- Corner Cadet
- Cornermatic Plus
- Cornermatic II Whisper-Loc Combo

Vicon Machinery
- Single Head
- Dual Head

ORDERING INFORMATION

CMC**STPK: TDC Strap-Pack Corners
CMF**STPK : TDF Strap-Pack Corners
CMU**STPK : Universal Strap-Pack Corners

Replace ** with Alloy: GA, GN, AZ, AL, S4, S6, PVC, BI

Universal Cornermatic

Technical Data

- Fits both TDC® and TDF® profiles
- Ideal for difficult fittings and transitions
- Precision stamped from 16 gauge Galvanized steel (GA)
TD C® / TDF® Components

T.D.C. and T.D.F. CORNERMATIC® CORNER
* Cornermatic is a trademark of Systemation, Inc. Ductmate is in no way affiliated with Systemation, Inc. patent # 9,377,213 and 9,545,695
  • 16 Gauge
  • Stacked for use with automatic corner inserter machines
  • Hole for 3/8" Carriage Bolt
  • Available in a variety of metals
  • Patent # 9,377,213 and 9,545,695
  • Packaged: 250/carton @ 42 lbs.

Part Numbers:
CMCGA OR CMFGA

CORNERMATE® T.D.C. MANUAL INSERTION CORNERS

Part Number:
CGA
  • 16 Gauge
  • Manual insertion only
  • Hole for 3/8" Carriage Bolt
  • Galvanized only (See Cornermatic Corners for Special Alloys)
  • Packaged: 250/carton @ 42 lbs.

Part Number:
AGCA

Part Number:
CMCGAMI

CORNERMATE® T.D.F. MANUAL INSERTION CORNERS

Part Number:
FGA
  • 16 Gauge
  • Manual insertion only
  • Hole for 3/8" Carriage Bolt
  • Galvanized only (See Cornermatic Corners for Special Alloys)
  • Packaged: 250/carton @ 42 lbs.

Part Number:
CMFGAMI

T.D.C. / T.D.F. MANUAL INSERTION (HEAVY GAUGE)

Part Number:
WCCGA OR WFCGA
  • 14 Gauge
  • Manual insertion only
  • Hole for 3/8" Carriage Bolt
  • Available in a variety of metals
  • Packaged: 250/carton @ WCCGA: 45 lbs. / WFCGA: 48 lbs.

VERSACLEAT™
22 Gauge Metal
6" Part Number: DV6CGA
10" Part Number: DV10CGA
  • Available in Metal Alloys Only
  • For use on T.D.C. (and some T.D.F.) profiles

PACKAGING INFORMATION

6" Part Numbers
125 L.F. (250) pcs./carton @ 31 lbs.
100/bundle @ 23 lbs.

Use with the Versa-Cleater™ Tool (Page 60)

T.D.C. CLEAT
22 gauge Metal
6" Part Number: T6CGA
10" Part Number: T10CGA
PVC
6" Part Number: 6"FPVC
10" Part Number: 10"FPVC

PACKAGING INFORMATION

22 gauge Metal
6" Part Numbers
250 L.F. (500) pcs./carton @ 45 lbs
10" Part Numbers
100 L.F. (10) pcs./bundle @ 18 lbs

PVC
6" Part Numbers
250 L.F. (500) pcs./carton @ 24 lbs
10" Part Numbers
100 L.F. (10) pcs./bundle @ 12 lbs

Use with the SNAPPER 1 Tool (Page 60)

T.D.F. CLEAT
22 gauge Metal
6" Part Number: F6CGA
10" Part Number: F10CGA
PVC
6" Part Number: 6"FPVC
10" Part Number: 10"FPVC

UNIVERSAL PRESS-ON BULLNOSING
EXAMPLE: BN1GA
1" Part Number: BN1
1½" Part Number: BN1.5
2" Part Number: BN2
* Available in Galvanized or 316 Stainless Steel

How To Order T.D.C. & T.D.F. Components Using Part Number Variations:

Available Alloys
  • GA = Galvanized
  • GN = Galvanneal
  • AZ = Aluminized
  • AL = Aluminum (except cleat)
  • S4 = 304 Stainless
  • S6 = 316 Stainless
  • PVC = PVC Coated
  • BI = Black Iron

EXAMPLE: CMFGN (Galvannealed Steel T.D.F. Corner)
To order any of these products, use part number variations as defined. Use the part number for your given corner or cleat type, and add the part number code that corresponds to your desired alloy (listed in the chart above).

ALL DUCTMATE GASKETS ON PAGE 53. OTHER TIME SAVING TOOLS ON PAGE 60.
FLEXIBLE DUCT CONNECTORS

PROflex™
FLEXIBLE DUCT CONNECTOR

• ISOLATES VIBRATION & NOISE AT SOURCE
• COMMERCIAL & RESIDENTIAL APPLICATIONS
• AIRTIGHT & WATERPROOF
• GALVANIZED, STAINLESS, OR ALUMINUM METAL
• AVAILABLE WITH VINYL SUPER DUTY, NEOPRENE, HYPALON, SILICONE, & TEFLON® FABRICS
• FABRICS ARE AVAILABLE IN VARIOUS WIDTHS WITHOUT METAL ATTACHED.

• AVAILABLE IN 500', 750', AND 1000' ROLLS
• AVAILABLE IN 5 METAL ALLOYS
• AVAILABLE IN SUPER DUTY VINYL, NEOPRENE, HYPALON, SILICONE, AND TEFLON
• REDUCES SCRAP WHICH WILL SAVE ON MATERIAL COSTS
• LESS CHANGEOVER THAN 100' ROLLS WHICH REDUCES FABRICATION AND LABOR TIME
• EASY TO LOAD COIL ON A SKID
• CAN ORDER 1-4 MASTER ROLLS AT A TIME ON ONE PALLET

TESTED TO 10" W.G. POSITIVE AND 10" W.G. NEGATIVE!

POWER LOCK

SINGLE FOLD

PROTECT LOCK

• 24 AND 28 GAUGE GALVANIZED STEEL MEETS ASTM-A-653-94-G60
• FABRICS MEET NFPA 701 REQUIREMENTS
• RESISTANT TO FUNGAL & MOLD GROWTH (ASTM G-21)
• ALL PROflex DUCT CONNECTORS ARE GUARANTEED AGAINST DEFECTIVE MATERIAL
• SHIPPED IN STANDARD 100 FOOT ROLLS PER CARTON
• SHIPPING WEIGHTS VARY WITH METAL AND FABRIC SELECTED
FABRIC SPECIFICATIONS

VINYL SUPER DUTY (dual fabric)
- Base Fabric: Polyester/Polyester
- Color: Black
- Weight: 20 ± 2 oz/yd²
- Tearing Strength: W: 40 lbs F: 30 lbs
- Tensile Strength: W: 25 lbs F: 20 lbs
- Low Temperature: -40°F
- High Temperature: 200°F

NEOPRENE
- Base Fabric: Glass Cloth
- Color: Black
- Weight: 30 ± 2 oz/yd²
- Tearing Strength: W: 40 lbs F: 30 lbs
- Tensile Strength: W: 25 lbs F: 20 lbs
- Low Temperature: -40°F
- High Temperature: 200°F

HYPALON
- Base Fabric: Glass Cloth
- Color: White
- Weight: 30 ± 2 oz/yd²
- Tearing Strength: W: 90 lbs F: 90 lbs
- Tensile Strength: W: 372 lbs F: 372 lbs
- Low Temperature: -70°F
- High Temperature: 500°F

SILICONE (silicone rubber coating)
- Base Fabric: fiberglass fabric
- Color: Silver
- Weight: 30 ± 2 oz/yd²
- Tearing Strength: W: 90 lbs F: 90 lbs
- Tensile Strength: W: 372 lbs F: 372 lbs
- Low Temperature: -70°F
- High Temperature: 600°F

TEFLON
- Base Fabric: Glass Cloth
- Color: Gray
- Weight: 18 ± 1 oz/yr²
- Tearing Strength: W: 20 lbs F: 20 lbs
- Tensile Strength: W: 410 lbs F: 355 lbs
- Low Temperature: -100°F
- High Temperature: 600°F

• Strongest all-purpose fabric in the industry with excellent resistance to cuts, tears, and abrasion
• Flame resistant coating
• Resistant to weather and most chemicals
• Mildew resistant per ASTM G-21
• Meets NFPA 701
• UL Listed

LA APPROVED VINYL SUPER DUTY
(dual fabric)
- Base Fabric: Polyester/Polyester
- Color: Black
- Weight: 18 ± 1 oz/yr²
- Color:
- Base Fabric:
- Weight:
- Tearing Strength:
- Tensile Strength:
- Low Temperature:
- High Temperature:

• Highly durable
• Rubbery surface for grip
• Excellent flame resistance
• Non-combustible fabric
• Resistant to weather, most chemicals, water, and oil
• MEets NFPA 701
• MEets NFPA 90B

Do not use in grease hood applications

Ideas that work for you everyday...

PROflex™ ORDERING INFORMATION

Standard 100 ft. per carton.
Metal is available in galvanized, stainless, and aluminum.
All fabrics are available without metal attached in various widths x 100 ft. per roll.
For other alloys, fabric sizes or chemical resistance information, consult your nearest Ductmate distributor or call Ductmate direct.

Commercial Power Lock: 24 Gauge

<table>
<thead>
<tr>
<th>Fabric</th>
<th>Size x fabric x metal</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vinyl Super Duty</td>
<td>All fabrics available in: 3&quot;x3&quot;x3&quot;</td>
<td>PFC<em>VS</em>†</td>
</tr>
<tr>
<td>Neoprene</td>
<td></td>
<td>PFC*N**†</td>
</tr>
<tr>
<td>Hypalon</td>
<td>3&quot;x4&quot;x4&quot;</td>
<td>PFC*H**†</td>
</tr>
<tr>
<td>Silicone</td>
<td>3&quot;x6&quot;x3&quot;</td>
<td>PFC*S**†</td>
</tr>
<tr>
<td>Teflon</td>
<td></td>
<td>PFC*T**†</td>
</tr>
</tbody>
</table>

† Add 500, 750, 1000 for Master Coil

Commercial Single-Fold: 24 Gauge

<table>
<thead>
<tr>
<th>Fabric</th>
<th>Size x fabric x metal</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vinyl Super Duty</td>
<td>All fabrics available in: 3&quot;x3&quot;x3&quot;</td>
<td>PFC<em>VS</em>†</td>
</tr>
<tr>
<td>Neoprene</td>
<td></td>
<td>PFC*N**†</td>
</tr>
<tr>
<td>Hypalon</td>
<td>3&quot;x6&quot;x3&quot;</td>
<td>PFC*H**†</td>
</tr>
<tr>
<td>Silicone</td>
<td>3&quot;x3&quot;x3&quot;</td>
<td>PFC*S**†</td>
</tr>
</tbody>
</table>

† Add 500, 750, 1000 for Master Coil

Residential Protect Lock: 28 Gauge

<table>
<thead>
<tr>
<th>Fabric</th>
<th>Size x fabric x metal</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vinyl</td>
<td>All fabrics available in: 1½&quot;x3&quot;x1½&quot;</td>
<td>PFR03VGA†</td>
</tr>
<tr>
<td>Neoprene</td>
<td></td>
<td>PFR03NGA†</td>
</tr>
<tr>
<td>Hypalon</td>
<td></td>
<td>PFR03HGA†</td>
</tr>
<tr>
<td>Silicone</td>
<td></td>
<td>PFR03SGA†</td>
</tr>
</tbody>
</table>

Only available in galvanized
† Add 500, 750, 1000 for Master Coil

<table>
<thead>
<tr>
<th>Fabric</th>
<th>LA Vinyl</th>
<th>Neoprene</th>
<th>Hypalon</th>
<th>Silicone</th>
</tr>
</thead>
<tbody>
<tr>
<td>NFPA 90B</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3x3x3</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>3x3x3</td>
<td></td>
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<tr>
<td>3x3x3</td>
<td></td>
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</tr>
<tr>
<td>3x3x3</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>3x3x3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Part Number Key

** Example: PFC3VSGA** Commercial Vinyl Super Duty 3" x 3" x 3" Galvanized

<table>
<thead>
<tr>
<th>*</th>
<th>**</th>
<th>**</th>
<th>**</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>3&quot;x3&quot;x3&quot;</td>
<td>GA</td>
<td>Galvanized</td>
</tr>
<tr>
<td>T3</td>
<td>4½&quot;x3&quot;x4½&quot;</td>
<td>AL</td>
<td>Aluminum</td>
</tr>
<tr>
<td>4</td>
<td>4&quot;x4&quot;x4&quot;</td>
<td>S4</td>
<td>304 Stainless Steel</td>
</tr>
<tr>
<td>6</td>
<td>3&quot;x6&quot;x3&quot;</td>
<td>S6</td>
<td>316 Stainless Steel</td>
</tr>
</tbody>
</table>

Do not use in grease hood applications
**ROUND DUCT CONNECTOR SYSTEM**

**SPIRALmate®**

- Revit Files Available
- Visit Ductmate.com
- Spec Sheets Available here

**MONEY SAVING VALUE ADDED FEATURES**
- Quick & Simple to Install
- Substantial Reduction in Labor & Time
- Air Tight
- No Additional Sealants Required
- Clean Appearance
- Used as an Architectural Feature
- Can be Installed On-Site
- Increases Structural Integrity of Duct
- Price Compares to Angle Rings or Couplers Requiring Sealant
- Flanges Adjust to Moderate Pipe Diameter Variations
- One-Bolt Closure Band Connection
- Works on Double-Wall Pipe
- Easy Alignment of Fittings
- Fits Spiral Seam and Most Ribbed Pipe

**Duct Sizes From 8” - 72” in 2” Increments Standard**
(1” Increments and Sizes Larger Than 72” Consult Factory)

**SPIRALmate Connection**
Consists of 2 Flange Rings and 1 Outer Closure Band

**SPIRALmate Outer Closure Ring**
Cold-formed galvanized steel. Outer Closure Ring maintains the duct connection.

**SPIRALmate Flange Ring**
Flange is cold-formed galvanized steel with an integral mastic to form an air-tight connection with duct end.

**INNER Ring for Double Wall Applications**
Cold-formed galvanized steel Inner Ring is specially designed for use with Spiralmate on double wall spiral pipe.

**NEOPRENE GASKET Tape**
A permanent non-hardening mastic (DN551/1M) is injected into the pocket during manufacturing

**ALIGNMENT GRIPS**
A modified vise grip to help you do a better job and save time.

**Ventmate**
**DESIGNED FOR UNDERGROUND MINING SYSTEMS**
- Fast, Saves Time
- Air Tight, Efficient
- Simple and Easy to Install
- No Additional Sealing Required
- Consistent Connections
- Can be Installed On-Site
- Standard Sizes to 72”
- (Larger Sizes Available on Request)
- 2” Increments Available
- 1” Increments Available

**New Press-On Inner Rings**
See Page 18
SPIRALMATE® SYSTEM SPECIFICATIONS

TECHNICAL DATA
The characteristics of a particular connection or joint are usually referenced to the Sheet Metal and Air Conditioning Contractors National Association (SMACNA) Manuals. SMACNA encourages the use of new technology, but does not endorse proprietary products. The Spiralmate Duct Connector System has been tested by Professional Service Industries, Inc., a division of Pittsburgh Testing Laboratories, with test results as noted. No external sealant was used and the certified test results reveal:

- Virtually No leakage at up to 18” WG positive pressure or down to 10” WG negative pressure
- Testing was performed on a single-wall connection. Complete test data is available upon request.

LIMITATIONS
The Spiralmate Small Profile Round Duct Connector is not recommended for applications with spiral duct gauges heavier than 20 GA or lighter than 28 GA. The Spiralmate Large Profile Round Duct Connector is not recommended for applications with spiral duct gauges heavier than 16 GA or lighter than 28 GA. Both Spiralmate Profiles will accept 12 GA longitudinal duct seam. Some duct manufacturers may weld on the seams to keep them from falling apart once the duct is manufactured. These welds may need to be ground down so they can fit the pocket. This will not compromise the duct seam as long as the spiral flanges are attached just after grinding.

TECHNICAL SERVICES
Detailed assembly and installation instructions & videos showing step-by-step procedures are available from the manufacturer and are sent to all new customers. Factory-trained personnel are available upon request at no charge to instruct new customers in the use of the Spiralmate System

DIMENSIONS
Refer to Cross Section on previous page.

COMPOSITIONS & MATERIALS
The Spiralmate Round Duct Connector Systems consist of the following components:

- Two mating Round Duct Connector Flanges of roll-formed galvanized steel with an integral sealant. Large Profile 20 ga., Small Profile 22 ga.
- A Closure Ring of roll-formed galvanized steel. Large Ring 18 ga., Small Ring 20 ga.
- Mastic: Ductmate DM5511M
- Gasket: Neoprene and Ductmate 440

COMPOSITIONS & MATERIALS FOR THE NEW PRESS-ON INNER RING
The Spiralmate Round Duct Connector Systems consist of the following components:

- Two Inner Rings roll-formed from galvanized steel with PSA tape:
  - 10” to 48” - 18 ga.
  - 49” & up - 16 ga.

**NOTE:**
- SPIRALMATE CONNECTOR SYSTEM COMES COMPLETE WITH 2 FLANGES AND 1 CLOSURE RING.
- ADDITIONAL FLANGE RINGS AND CLOSURE RINGS ALSO SOLD SEPARATELY.
- GASKETING REQUIREMENTS FOR SPECIFICATIONS.

<table>
<thead>
<tr>
<th>CONNECTOR TYPE</th>
<th>CONNECTOR SIZE</th>
<th>ALLOY</th>
<th>GASKETING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example: SM</td>
<td>Example: 28</td>
<td>Example: GA</td>
<td>NEOPRENE</td>
</tr>
<tr>
<td>SM = Spiralmate</td>
<td>28 = 28” Diameter</td>
<td>GA = Galvanized</td>
<td>NEO 5/16x3/4</td>
</tr>
<tr>
<td>VM = Ventmate</td>
<td>Small Profile Sizes 8” thru 38”</td>
<td>GN = Galvannealed</td>
<td>50’ rolls / 750’ per case</td>
</tr>
<tr>
<td></td>
<td>Large Profile Sizes 30” thru 72”</td>
<td>AZ = Aluminized</td>
<td>440 Butyl Gasket</td>
</tr>
<tr>
<td></td>
<td>All sizes available in even, odd and metric sizes.</td>
<td>S4 = 304 Stainless</td>
<td>440 3/16x5/8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S6 = 316 Stainless</td>
<td>25’ rolls/500’ per case</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PVC = PVC Coated***</td>
<td>440 Butyl Gasket Patches</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>440 3x2x1/8</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>512 patches/per case</td>
</tr>
</tbody>
</table>

QUICKSHIP PROGRAM available, call for details.

*** Lead time on PVC coated is 3½ weeks for the coil to arrive at our plant. Production and shipping still have to be factored in.

EXAMPLE: SM28GA
ROUND DUCT CONNECTOR SYSTEM

PRESS-ON INNER RINGS

Patent # 10,533,689

SPECIAL CHARACTERISTICS

• Fits Spiralmate, Ventmate, Econoflange and virtually any round flange connection system
• Double sided high strength PSA tape to adhere
• Simplifies installation of double wall duct
• Available in 1” and 2” rings
• Inner-ring adjusts to fit the variations in pipe diameter
• Will structurally withstand 10” w.g. positive pressure
• Eliminates welding or fasteners
• Can be installed on-site

ORDERING AND PACKING INFORMATION

EXAMPLE: 1IR*26GAPSA

CONNECTOR TYPE

Inner Ring
(if application is double wall)
1 = 1” insulation
IR = Inner Ring
26 = Size of inner ring
GA = Galvanized
PSA = Pressure Sensitive Adhesive
*insert W for a welded split

CONNECTOR SIZE

Inner Ring Size
For 1” insulation the inner ring
is 2” smaller than connector.
Sizes start at 8”

For 2” insulation the inner ring is 4” smaller than connector.
Sizes start at 12”

WELD-ON INNER RINGS

SPECIAL CHARACTERISTICS

• Fits Spiralmate, Ventmate, Econoflange and virtually any round flange connection system
• Available in 1” and 2” rings
• Inner-ring adjusts to fit the variations in pipe diameter
• Will structurally withstand 10” w.g. positive pressure
• Available in specialty alloys
ROUND DUCT CONNECTOR SYSTEMS

ECONOflange™ Round Duct Connection System

ECONOflange 8” - 72”
Cold-formed, hot-dipped galvanized steel with pre-punched holes
48” & Under:
18 Gauge Steel
50” & Up:
16 Gauge Steel

• Simple installation process
• Can be installed on-site
• Available in sizes 8” - 72” in standard 2” increments

ORDERING AND PACKING INFORMATION

EXAMPLE: EFR16*GA

<table>
<thead>
<tr>
<th>TYPE</th>
<th>DIAMETER</th>
<th>ALLOY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example = EFR</td>
<td>Example = 16</td>
<td>Example = GA</td>
</tr>
<tr>
<td>EFR = ECONOflange</td>
<td>8”</td>
<td>30”</td>
</tr>
<tr>
<td></td>
<td>10”</td>
<td>32”</td>
</tr>
<tr>
<td></td>
<td>12”</td>
<td>34”</td>
</tr>
<tr>
<td></td>
<td>14”</td>
<td>36”</td>
</tr>
<tr>
<td></td>
<td>16”</td>
<td>38”</td>
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<tr>
<td></td>
<td>18”</td>
<td>40”</td>
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<tr>
<td></td>
<td>20”</td>
<td>42”</td>
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<tr>
<td></td>
<td>22”</td>
<td>44”</td>
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<tr>
<td></td>
<td>24”</td>
<td>46”</td>
</tr>
<tr>
<td></td>
<td>26”</td>
<td>48”</td>
</tr>
<tr>
<td></td>
<td>28”</td>
<td>50”</td>
</tr>
</tbody>
</table>

* For Double Wall enter second diameter here; example with 1” insulation: EFR1614GA; 2” insulation: EFR1612GA
QUICKSHIP PROGRAM available, call for details.

GASKETING

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>PACKAGE QTY./SHIPPING WT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEO 5/16X3/4</td>
<td>NEOPRENE</td>
<td>50’ rolls/750’ per case, @ 15 lbs. / case</td>
</tr>
<tr>
<td>440 3/16x5/8</td>
<td>BUTYL</td>
<td>25’ rolls/500’ per case</td>
</tr>
<tr>
<td>440 3x2x1/8</td>
<td>BUTYL PATCHES</td>
<td>512 patches/per case</td>
</tr>
</tbody>
</table>
**Basic Use**
The ECONOflange Oval connection system was designed as a cost-effective oval connection, all while remaining efficient and easy to install.

**Special Characteristics**
- End Sets shipped complete with connectors attached
- Modular design reduces inventory and allows for manufacturing flexibility
- Cut straight sections on-demand for “exact” fit
- Bolted connectors make installation quick, safe, and easy

**Specifications**
- Flange Construction:
  - 18 Gauge on sizes 48” & below
  - 16 Gauge on sizes 50” & Up
- Hot Dipped Galvanized Steel
- Gasket: Ductmate Neoprene
- Pre-punched holes for fast connections
- No special tools required
- Simple installation process, can be installed on-site
- Available in sizes 8” - 56” in standard 2” increments
- Available in specialty metals
- Inner rings available for 1” and 2” insulation

**Ordering Information**

**Example:** EFO20GA

<table>
<thead>
<tr>
<th>Semi-Circular End Piece</th>
<th>Endset Size</th>
<th>Straight Flange Sections</th>
<th>Alloy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example: EFO</td>
<td>Example: 12</td>
<td>Example: EF20</td>
<td>Example: GA</td>
</tr>
<tr>
<td>EFO = Econoflange Oval</td>
<td></td>
<td>EF = Straight Flange lengths. Order in 10’ or 20’ lengths.</td>
<td>GA=Galvanized</td>
</tr>
<tr>
<td>semi-circular end piece</td>
<td>(2 Endset Are Needed For A Full Connection)</td>
<td>Assembly required or straights must be assembled to end sets</td>
<td></td>
</tr>
<tr>
<td>8 = 8”</td>
<td>22 = 22”</td>
<td></td>
<td>GA=Galvanized</td>
</tr>
<tr>
<td>10=10”</td>
<td>24 = 24”</td>
<td></td>
<td>GN=Galvannealed</td>
</tr>
<tr>
<td>12=12”</td>
<td>26 = 26”</td>
<td></td>
<td>AZ=Aluminized</td>
</tr>
<tr>
<td>14=14”</td>
<td>28 = 28”</td>
<td></td>
<td>PVC=PVC COATED**</td>
</tr>
<tr>
<td>16=16”</td>
<td>30 = 30”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18=18”</td>
<td>32 = 32”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20=20”</td>
<td>34 = 34”*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Larger sizes also available

**Example:**
Duct Dimension 68” x 20”

<table>
<thead>
<tr>
<th>Major Dimension</th>
<th>Minor Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>68”</td>
<td>-20”</td>
</tr>
<tr>
<td>(minus)</td>
<td>(minus)</td>
</tr>
<tr>
<td>6½”</td>
<td>6¼”</td>
</tr>
<tr>
<td>(equals)</td>
<td>(equals)</td>
</tr>
</tbody>
</table>

Straight Econoflange Oval Angle Length 41¼”

**Packaging Information**
The ECONOflange Oval connection system consists of semicircular end flange sections and straight flange. Straight flange is sold in 20’ lengths. The semi-circular end pieces are sold individually with the connector pieces welded onto the ends. (One oval frame consists of two lengths of straight flange and two semi-circular end pieces.)
QUICK-SLEEVE
3” THRU 18” ROUND DUCT CONNECTOR SYSTEM

Double-Bolt Connection
Now Available!

Standard Single-Bolt Connection

VALUE ADDED MONEY SAVING FEATURES:
• AIRTIGHT
• NO ADDITIONAL SEALING
• TESTED TO OVER 30” W.G. POS & NEG
• NO PROTRUSIONS IN AIRSTREAM
• FOR ROLLED OR SPIRAL DUCT
• REASSEMBLES WITHOUT COMPROMISING SEAL
• DESIGNED & GASKETED FOR FOOD PROCESSING, DUST COLLECTION, EXHAUST, HIGH-TEMP & STANDARD H.V.A.C. SYSTEMS
• ELIMINATES LENGTHY SHUT DOWN TO SEAL EXISTING SYSTEMS
• SPECIAL ALLOYS AVAILABLE
• NEW DOUBLE-BOLT CLOSURE ENSURES BETTER STABILITY THROUGH LARGER DUCT DIAMETERS

APPLICATION
For air-conditioning, ventilation and dust collection systems.

ORDERING INFORMATION
(HOW TO ORDER USING PART NUMBER VARIATIONS)
EXAMPLE: QS10GA

<table>
<thead>
<tr>
<th>CONNECTOR SIZE</th>
<th>ALLOY TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONNECTOR Example: QS</td>
<td>GASKETING TYPE Example: **</td>
</tr>
<tr>
<td>QS = Single-Bolt QUICKSLEEVE</td>
<td>** NO NUMBER REQUIRED FOR STANDARD GASKET (POLYETHYLENE)</td>
</tr>
<tr>
<td></td>
<td>N = NEOPRENE</td>
</tr>
<tr>
<td></td>
<td>HT = HIGH-TEMP</td>
</tr>
<tr>
<td></td>
<td>S = SILICONE</td>
</tr>
<tr>
<td></td>
<td>3=3”</td>
</tr>
<tr>
<td></td>
<td>4=4”</td>
</tr>
<tr>
<td></td>
<td>5=5”</td>
</tr>
<tr>
<td></td>
<td>6=6”</td>
</tr>
<tr>
<td></td>
<td>7=7”</td>
</tr>
<tr>
<td></td>
<td>8=8”</td>
</tr>
<tr>
<td></td>
<td>9=9”</td>
</tr>
<tr>
<td></td>
<td>10=10”</td>
</tr>
<tr>
<td>LABQS = Double-Bolt QUICKSLEEVE</td>
<td>4=4”</td>
</tr>
<tr>
<td></td>
<td>5=5”</td>
</tr>
<tr>
<td></td>
<td>6=6”</td>
</tr>
<tr>
<td></td>
<td>7=7”</td>
</tr>
<tr>
<td></td>
<td>8=8”</td>
</tr>
<tr>
<td></td>
<td>9=9”</td>
</tr>
<tr>
<td></td>
<td>10=10”</td>
</tr>
<tr>
<td>WEIGHTS</td>
<td></td>
</tr>
<tr>
<td>3” = 0.76 lbs/ea</td>
<td></td>
</tr>
<tr>
<td>4” = 0.84 lbs/ea</td>
<td></td>
</tr>
<tr>
<td>5” = 0.93 lbs/ea</td>
<td></td>
</tr>
<tr>
<td>6” = 1.01 lbs/ea</td>
<td></td>
</tr>
<tr>
<td>7” = 1.11 lbs/ea</td>
<td></td>
</tr>
<tr>
<td>8” = 1.16 lbs/ea</td>
<td></td>
</tr>
<tr>
<td>9” = 1.27 lbs/ea</td>
<td></td>
</tr>
<tr>
<td>10” = 1.49 lbs/ea</td>
<td></td>
</tr>
<tr>
<td>11” = 1.58 lbs/ea</td>
<td></td>
</tr>
<tr>
<td>12” = 1.69 lbs/ea</td>
<td></td>
</tr>
<tr>
<td>13” = 1.77 lbs/ea</td>
<td></td>
</tr>
<tr>
<td>14” = 1.93 lbs/ea</td>
<td></td>
</tr>
</tbody>
</table>

Revit Files Available
Visit Ductmate.com
Spec Sheets Available here
ACCESS DOORS

DUCTMATE® THE SANDWICH® DOOR

- Advanced pressure vessel design
- Air tight
- No measuring (self-adhesive template provided)
- Record Of Inspection sticker provided
- Effortless opening & closing (no tools required)
- No frames to install or seal
- Shape provides a better access area

RECTANGULAR DUCT

- Fully insulated or uninsulated
- Smooth interior surface on insulated doors
- Tested to 20" w.g. positive and 10" negative.
  (Please specify when ordering doors for negative pressure applications.)
- Insulated doors are recommended for negative pressure applications.
- Please specify when ordering doors for negative pressure as the gasket is placed on the outer door panel.
- Please specify when ordering doors for double wall duct as we provide 6” bolts which will allow the door to be opened wider, making up for the thickness of the liner/duct wall.

SPIRAL DUCT

- No frame to install and seal
- Circular opening effective for duct cleaning
- Effortless opening & closing
- EDGE PRO rubber edge guards are available on request

CIRCULAR CLEAN-OUT

- For High-Temperature application fiberglass rope (1000°F max) is permanently bonded to the outside panel of the access door to eliminate leakage.
- For Grease Duct application, Ceramic Fiber Gasket (2300°F max - meets NFPA 96 standards) is permanently bonded to the outside panel of the access door to eliminate leakage.

HIGH TEMP

CROSS-SECTION OF DUCTMATE SANDWICH ACCESS DOOR

(CROSS-SECTION OF DUCTMATE SANDWICH ACCESS DOOR

(CROSS-SECTION OF DUCTMATE SANDWICH ACCESS DOOR

(CROSS SECTION OF DUCTMATE HI-TEMP ACCESS DOOR

(Side View - Round)
**Rectangular Duct**

<table>
<thead>
<tr>
<th>Door Size</th>
<th>Actual Door Size</th>
<th>Template (Opening Size)</th>
<th>Part No.</th>
<th>Gauge</th>
<th># Per Carton</th>
<th>Lbs Per Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>8&quot; x 4&quot;</strong></td>
<td>9&quot; x 4 ¾&quot;</td>
<td>8&quot; x 4&quot;</td>
<td>D*R461GA</td>
<td>22</td>
<td>10</td>
<td>12</td>
</tr>
<tr>
<td><strong>10&quot; x 6&quot;</strong></td>
<td>11&quot; x 7&quot;</td>
<td>10&quot; x 6&quot;</td>
<td>D*1061GA</td>
<td>22</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td><strong>12&quot; x 8&quot;</strong></td>
<td>13&quot; x 9&quot;</td>
<td>12&quot; x 8&quot;</td>
<td>D*1281GA</td>
<td>22</td>
<td>10</td>
<td>35</td>
</tr>
<tr>
<td><strong>16&quot; x 12&quot;</strong></td>
<td>17&quot; x 13&quot;</td>
<td>16&quot; x 12&quot;</td>
<td>D*1612GA</td>
<td>20</td>
<td>5</td>
<td>31</td>
</tr>
<tr>
<td><strong>18&quot; x 14&quot;</strong></td>
<td>19&quot; x 15&quot;</td>
<td>18&quot; x 14&quot;</td>
<td>D*1814GA</td>
<td>20</td>
<td>5</td>
<td>45</td>
</tr>
<tr>
<td><strong>24&quot; x 18&quot;</strong></td>
<td>24¾&quot; x 17¾&quot;</td>
<td>24½&quot; x 17½&quot;</td>
<td>D*2418GA</td>
<td>18</td>
<td>3</td>
<td>27</td>
</tr>
</tbody>
</table>

* Available in Insulated (I) or Uninsulated (U), please specify

** Oval Shaped

† (M) For modified doors with longer bolts

‡ (M) For modified doors with longer bolts

** Spiral Duct **

<table>
<thead>
<tr>
<th>Door Size</th>
<th>Actual Door Size</th>
<th>Template (Opening Size)</th>
<th>Part No.</th>
<th>Gauge</th>
<th># Per Carton</th>
<th>Lbs Per Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot; x 4&quot;</td>
<td>9&quot; x 4 ¾&quot;</td>
<td>7½&quot; x 3¾&quot;</td>
<td>DR*8461GA</td>
<td>22</td>
<td>10</td>
<td>12</td>
</tr>
<tr>
<td>10&quot; x 6&quot;</td>
<td>10½&quot; x 7&quot;</td>
<td>7¾&quot; x 6&quot;</td>
<td>DR*1061GA</td>
<td>22</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td>12&quot; x 8&quot;</td>
<td>12½&quot; x 8½&quot;</td>
<td>11½&quot; x 8&quot;</td>
<td>DR*12181GA</td>
<td>19</td>
<td>20</td>
<td>25</td>
</tr>
<tr>
<td>16&quot; x 12&quot;</td>
<td>16½&quot; x 12½&quot;</td>
<td>DR*161216GA</td>
<td>19</td>
<td>20</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>24&quot; x 18&quot;</td>
<td>24¾&quot; x 18¾&quot;</td>
<td>DR*241832GA</td>
<td>19</td>
<td>20</td>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>

‡ (M) For modified doors with longer bolts

** Circular Clean-Out **

<table>
<thead>
<tr>
<th>Size</th>
<th>Part No.</th>
<th>Gauge</th>
<th>No. Per Carton</th>
<th>Lbs Per Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>10&quot; x 6&quot;</td>
<td>DC106GA</td>
<td>24</td>
<td>10</td>
<td>15</td>
</tr>
<tr>
<td>12&quot; x 8&quot;</td>
<td>DC128GA</td>
<td>24</td>
<td>10</td>
<td>23</td>
</tr>
</tbody>
</table>

** Installation Instructions **

1. Peel backing off template and apply to duct in desired location.
2. Opening can be cut with hand-held plasma cutter or by conventional methods.
3. Insert door into opening at an angle and tighten knobs.
4. Do not overtighten knobs or wing nuts.

** Rectangular Duct Hi-Temp **

<table>
<thead>
<tr>
<th>Size</th>
<th>Part No.</th>
<th>Gauge</th>
<th>No. Per Carton</th>
<th>Lbs Per Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>8&quot; x 4&quot;</strong></td>
<td>D846*GA</td>
<td>22</td>
<td>10</td>
<td>12</td>
</tr>
<tr>
<td><strong>10&quot; x 6&quot;</strong></td>
<td>D106*GA</td>
<td>22</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td><strong>12&quot; x 8&quot;</strong></td>
<td>D128*GA</td>
<td>22</td>
<td>10</td>
<td>35</td>
</tr>
<tr>
<td><strong>16&quot; x 12&quot;</strong></td>
<td>D1612*GA</td>
<td>20</td>
<td>5</td>
<td>31</td>
</tr>
<tr>
<td><strong>18&quot; x 14&quot;</strong></td>
<td>D1814*GA</td>
<td>20</td>
<td>5</td>
<td>45</td>
</tr>
<tr>
<td><strong>24&quot; x 18&quot;</strong></td>
<td>D2418*GA</td>
<td>18</td>
<td>3</td>
<td>27</td>
</tr>
</tbody>
</table>

* F1 door heat rated to 1,000°F, F2 door heat rated to 2,300°F.

† (M) For modified doors with longer bolts

‡ (M) For modified doors with longer bolts

** Clean-Out **

<table>
<thead>
<tr>
<th>Size</th>
<th>Part No.</th>
<th>Gauge</th>
<th>No. Per Carton</th>
<th>Lbs Per Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>DC*86GA</td>
<td>24</td>
<td>10</td>
<td>12</td>
</tr>
<tr>
<td>10&quot;</td>
<td>DC*106GA</td>
<td>24</td>
<td>10</td>
<td>17</td>
</tr>
<tr>
<td>12&quot;</td>
<td>DC*126GA</td>
<td>22</td>
<td>10</td>
<td>26</td>
</tr>
</tbody>
</table>

* Available in Insulated (I), leave blank for standard door
OBSERVATION ACCESS DOOR

DOUBLE PANED OBSERVATION ACCESS DOOR

16” x 12” Sandwich® Door With 8” x 8” View Port

Solid Door With Simple Installation

This door was designed specifically for hospitals, clean rooms, pharmaceuticals, and laboratories to eliminate danger of dust contaminating ductwork while inspecting in-duct smoke detectors, UVC emitters, fire and smoke dampers, and humidifiers.

- Double Pane Safety Glass
- Extra Large 8” x 8” Viewport
- Available Insulated or Uninsulated
- Tested to 10“ W.G. positive/negative pressure with minimal leakage noted
- Also Available In Stainless Steel

Packaging Information

<table>
<thead>
<tr>
<th>Size</th>
<th>Part No.</th>
<th>Gauge</th>
<th>No. Per Carton</th>
<th>Lbs. Per Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>16” x 12”</td>
<td>DO*1612GA</td>
<td>22</td>
<td>5</td>
<td>32 lbs.</td>
</tr>
</tbody>
</table>

* Insert I for insulated or U for uninsulated

SINGLE PANED OBSERVATION ACCESS DOOR

10” x 6” Sandwich® Door with 4” x 2⅝” View Port

Allows inspection of the inside of duct without removing the door

Access door which allows inspection of the inside of the duct without door removal.

Provides a solid, leak proof door that offers a simple installation and ability to view the interior of HVAC single wall applications through a clear safety glass without the need to open access door.

- 4” x 2⅝” viewport
- Single pane of safety glass
- Tested to 10” w.g. positive/negative

Packaging Information

<table>
<thead>
<tr>
<th>Size</th>
<th>Part No.</th>
<th>Gage</th>
<th>No. Per Carton</th>
<th>Lbs. Per Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>10” x 6”</td>
<td>D0106GA</td>
<td>22</td>
<td>10</td>
<td>25</td>
</tr>
</tbody>
</table>

DOUBLE PANED AHU VIEWPORT ACCESS DOOR

10” x 6” Sandwich® Door with 4” x 2⅝” View Port

Effective means for viewing working UV Lights

The AHU Viewport Panel provides a safe, effective means to view working UVC Emitters inside an air handling unit (AHU) with an insulated wall thickness of up to 3”. The AHU Viewport Panel includes 2 layers of laminated safety glass with a 4”x2⅝” clear window.

- 4” x 2⅝” viewport
- Two layers of safety glass
- Tested to 10” w.g. positive/negative

Packaging Information

<table>
<thead>
<tr>
<th>Size</th>
<th>Part No.</th>
<th>Gage</th>
<th>No. Per Carton</th>
<th>Lbs. Per Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>10” x 6”</td>
<td>D0106GA4</td>
<td>22</td>
<td>10</td>
<td>25</td>
</tr>
</tbody>
</table>
**WDCI SANDWICH® DOOR**

Oval Configuration

<table>
<thead>
<tr>
<th>RECTANGULAR</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Attached gasket makes door completely airtight</td>
<td></td>
</tr>
<tr>
<td>• Insulated with polyester foam permanently bonded to outer door</td>
<td></td>
</tr>
<tr>
<td>• Conical springs between inner and outer doors for easier operation</td>
<td></td>
</tr>
<tr>
<td>• Hand knobs have threaded brass inserts</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ROUND</th>
</tr>
</thead>
<tbody>
<tr>
<td>• High temperature and grease duct applications</td>
</tr>
<tr>
<td>• High temperature fiberglass rope, or ceramic fiber gasket</td>
</tr>
<tr>
<td>• Smooth interior surface</td>
</tr>
</tbody>
</table>

**ACCESS DOORS**

**ORDERING INFORMATION**

**EXAMPLE: WR161236GA**

<table>
<thead>
<tr>
<th>Door Type</th>
<th>Insulation</th>
<th>Door Size</th>
<th>Duct Diameter (for round duct only)</th>
<th>High Temp Door Class</th>
<th>Alloy</th>
</tr>
</thead>
<tbody>
<tr>
<td>W = Flat</td>
<td>I = Insulated</td>
<td>Rectangular Doors</td>
<td>7 = 6&quot; - 7&quot;</td>
<td>F1 - 1000°F</td>
<td>GA = GALVANIZED</td>
</tr>
<tr>
<td>WR = Round</td>
<td>9 = 8&quot; - 9&quot;</td>
<td>1612 = 16&quot; x 12&quot;</td>
<td>32 = 29&quot; - 32&quot;</td>
<td>F2 - 2300°F</td>
<td>GN = GALVANNEALED</td>
</tr>
<tr>
<td></td>
<td>12 = 10&quot; - 12&quot;</td>
<td>2418 = 24&quot; x 18&quot;</td>
<td>40 = 37&quot; - 40&quot;</td>
<td></td>
<td>AZ = ALUMINIZED</td>
</tr>
<tr>
<td></td>
<td>14 = 13&quot; - 14&quot;</td>
<td></td>
<td>44 = 41&quot; - 44&quot;</td>
<td></td>
<td>S4 = 304 STAINLESS</td>
</tr>
<tr>
<td></td>
<td>16 = 15&quot; - 16&quot;</td>
<td>(Fits Duct Dia.)</td>
<td>48 = 45&quot; - 48&quot;</td>
<td></td>
<td>S6 = 316 STAINLESS</td>
</tr>
<tr>
<td></td>
<td>20 = 17&quot; - 20&quot;</td>
<td>84 = 8&quot; x 4&quot;</td>
<td>52 = 49&quot; - 52&quot;</td>
<td></td>
<td>BI = BLACK IRON</td>
</tr>
<tr>
<td></td>
<td>24 = 21&quot; - 24&quot;</td>
<td>106 = 10&quot; x 6&quot;</td>
<td>56 = 53&quot; - 56&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>28 = 25&quot; - 28&quot;</td>
<td>128 = 12&quot; x 8&quot;</td>
<td>60 = 57&quot; - 60&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>32 = 29&quot; - 32&quot;</td>
<td>1612 = 16&quot; x 12&quot;</td>
<td>(over 60&quot; duct consult factory)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>36 = 33&quot; - 36&quot;</td>
<td>2418 = 24&quot; x 18&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>40 = 37&quot; - 40&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>44 = 41&quot; - 44&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>48 = 45&quot; - 48&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>52 = 49&quot; - 52&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>56 = 53&quot; - 56&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>60 = 57&quot; - 60&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Only Available in Galvanized and 316 Stainless
** Only Door Available in Uninsulated (U)
In order to use the minimum duct height, the door must be installed with its longest dimension running horizontally along the length of the duct. If the minimum duct height is used, the top of the opening must be 2” from the top of the duct. For every inch over the minimum duct height, the opening can be lowered 1” from the top of the duct.

To insert S4 for Stainless Steel (provided with Stainless Steel hex bolts), the door must be installed with its longest dimension running horizontally along the length of the duct. If the minimum duct height is used, the top of the opening must be 2” from the top of the duct. For every inch over the minimum duct height, the opening can be lowered 1” from the top of the duct.

* Insert S4 for Stainless Steel (provided with Stainless Steel hex bolts).
  * For D1212UL/D1212ULWS Stainless Steel is a special order and may take additional time.

* Insert BI for Black Iron.
### UL Rated Grease Duct Door

**UL TimETM**

- Easy to Install Weld-On Design
- UL 1978 Listed
- Available with optional hinge
- No special tools to remove
- Minimal penetration into the duct
- Dramatically reduces installation time
- Grease and liquid tight
- Meets NFPA 96 Standards
- Union made in the U.S.A.
- Available in a variety of sizes
- Can be used with all types of duct wrap insulation systems
- No need for any clips
- No need for any drilling
- Unique collapsible handle design for easy installation
- Top plate is completely removable for easy cleaning

Unlike the ULtimate sandwich style door, the ULtimete II weld on door requires minimal additional clearance. The duct only needs to be large enough to accommodate the frame and satisfy the NFPA 96 Standard. Although the frame only extends 1" past each side of the opening, the NFPA 96 standard requires a minimum of 1.5" clearance between the opening and all seams or edges. Therefore, a minimum of 1.5" clearance is recommended on each side of the opening. In order to use the minimum duct height, the door must be installed with its longest dimension running horizontally along the length of the duct.

* Insert S4 for Stainless Steel (provided with Stainless Steel hex bolts).
* Insert BI for Black Iron.

**Items in Bold refer to hinged doors.**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Opening Size</th>
<th>Door Size</th>
<th>Minimum Duct Height</th>
<th>Packaging Quantity</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>DW66UL*</td>
<td>UL Door Only</td>
<td>6&quot; x 6&quot;</td>
<td>8&quot; x 8&quot;</td>
<td>9&quot;</td>
<td>5</td>
<td>20.0 lbs.</td>
</tr>
<tr>
<td>DW66ULWS*</td>
<td>UL Door with Insulation Kit and 12&quot; x 12&quot; Outer Plate</td>
<td>6&quot; x 6&quot;</td>
<td>8&quot; x 8&quot;</td>
<td>9&quot;</td>
<td>5</td>
<td>26.7 lbs.</td>
</tr>
<tr>
<td>DW106UL*</td>
<td>UL Door Only</td>
<td>10&quot; x 6&quot;</td>
<td>12&quot; x 8&quot;</td>
<td>9&quot;</td>
<td>5</td>
<td>38.1 lbs.</td>
</tr>
<tr>
<td>DW106ULWS*</td>
<td>UL Door with Insulation Kit and 16&quot; x 12&quot; Outer Plate</td>
<td>10&quot; x 6&quot;</td>
<td>12&quot; x 8&quot;</td>
<td>9&quot;</td>
<td>5</td>
<td>53.0 lbs.</td>
</tr>
<tr>
<td>DW1010UL*</td>
<td>UL Door Only</td>
<td>10&quot; x 10&quot;</td>
<td>12&quot; x 12&quot;</td>
<td>13&quot;</td>
<td>5</td>
<td>40.0 lbs.</td>
</tr>
<tr>
<td>DW1010ULWS*</td>
<td>UL Door with Insulation Kit and 16&quot; x 16&quot; Outer Plate</td>
<td>10&quot; x 10&quot;</td>
<td>12&quot; x 16&quot;</td>
<td>13&quot;</td>
<td>4</td>
<td>53.0 lbs.</td>
</tr>
<tr>
<td>DW128UL*</td>
<td>UL Door Only</td>
<td>12&quot; x 8&quot;</td>
<td>14&quot; x 10&quot;</td>
<td>11&quot;</td>
<td>5</td>
<td>46.2 lbs.</td>
</tr>
<tr>
<td>DW128ULWS*</td>
<td>UL Door with Insulation Kit and 18&quot; x 14&quot; Outer Plate</td>
<td>12&quot; x 8&quot;</td>
<td>14&quot; x 10&quot;</td>
<td>11&quot;</td>
<td>4</td>
<td>53.0 lbs.</td>
</tr>
<tr>
<td>DW1814UL*</td>
<td>UL Door Only</td>
<td>18&quot; x 14&quot;</td>
<td>20&quot; x 16&quot;</td>
<td>17&quot;</td>
<td>2</td>
<td>32.6 lbs.</td>
</tr>
<tr>
<td>DW1814ULWS*</td>
<td>UL Door with Insulation Kit and 24&quot; x 20&quot; Outer Plate</td>
<td>18&quot; x 14&quot;</td>
<td>20&quot; x 16&quot;</td>
<td>17&quot;</td>
<td>2</td>
<td>53.0 lbs.</td>
</tr>
<tr>
<td>DW2020UL*</td>
<td>UL Door Only</td>
<td>20&quot; x 20&quot;</td>
<td>22&quot; x 22&quot;</td>
<td>23&quot;</td>
<td>1</td>
<td>34.95 lbs.</td>
</tr>
<tr>
<td>DW2020ULWS*</td>
<td>UL Door with Insulation Kit and 26&quot; x 26&quot; Outer Plate</td>
<td>20&quot; x 20&quot;</td>
<td>22&quot; x 22&quot;</td>
<td>23&quot;</td>
<td>1</td>
<td>34.95 lbs.</td>
</tr>
<tr>
<td>DW2418UL*</td>
<td>UL Door Only</td>
<td>24&quot; x 18&quot;</td>
<td>26&quot; x 20&quot;</td>
<td>21&quot;</td>
<td>1</td>
<td>36.0 lbs.</td>
</tr>
<tr>
<td>DW2418ULWS*</td>
<td>UL Door with Insulation Kit and 30&quot; x 24&quot; Outer Plate</td>
<td>24&quot; x 18&quot;</td>
<td>26&quot; x 20&quot;</td>
<td>21&quot;</td>
<td>1</td>
<td>36.0 lbs.</td>
</tr>
<tr>
<td>ULINSULKIT</td>
<td>Kit 1: Four 8&quot; extension studs, washers, fasteners, “Do Not Obstruct” stickers, and installation instructions</td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>1.12 lbs.</td>
</tr>
<tr>
<td>OP_UL*</td>
<td>Kit 2: UL Door Outer Plate</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>Consult Factory</td>
</tr>
</tbody>
</table>

Unlike the ULtimete sandwich style door, the ULtimete II weld on door requires minimal additional clearance. The duct only needs to be large enough to accommodate the frame and satisfy the NFPA 96 Standard. Although the frame only extends 1" past each side of the opening, the NFPA 96 standard requires a minimum of 1.5" clearance between the opening and all seams or edges. Therefore, a minimum of 1.5" clearance is recommended on each side of the opening. In order to use the minimum duct height, the door must be installed with its longest dimension running horizontally along the length of the duct.

**Listed**

88VF
- Fittings for Hood and
- Duct Penetration
- Grease Duct Access Door

**Spec Sheets Available here**

**Revit Files Available**

Visit Ductmate.com
UL T I M A T E Door™

- UL 1978 Listed
- Easy to install Sandwich design with no special tools required
- Minimal penetration into the duct
- Dramatically reduces installation time
- No welding required
- Grease and liquid tight
- Meets NFPA 96 standards
- Union made in the U.S.A.
- Holes line up easily with adjustable fastening system
- Door is completely removable for easy cleaning
- Can be used with all types of duct wrap insulation systems
- No need for any clips
- No need for any drilling
- Unique collapsible handle design for easy installation

Ultimate Round Door Packaging Info and Sizing Guidelines

† Insert pipe diameter.
* Insert S4 for Stainless Steel (provided with Stainless Steel hex bolts).
* Insert BI for Black Iron.

For Use With Duct Wrap Systems
XX Outer Plate Diameter
‡‡ Available in BI (Black Iron) or S4 (Stainless Steel Type 304) Outer plates will be offered to cover the 3 current round doors being offered.

<table>
<thead>
<tr>
<th>Door Part #</th>
<th>Description</th>
<th>Opening Size</th>
<th>Door Size</th>
<th>Minimum Diameter</th>
<th>Package Quantity</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR106†UL*</td>
<td>Round UL Door 10” x 6”</td>
<td>10” x 6”</td>
<td>12” x 8”</td>
<td>10”</td>
<td>5</td>
<td>39.0 lbs.</td>
</tr>
<tr>
<td>DR128†UL*</td>
<td>Round UL Door 12” x 8”</td>
<td>12” x 8”</td>
<td>14” x 10”</td>
<td>10”</td>
<td>5</td>
<td>55.9 lbs.</td>
</tr>
<tr>
<td>DR1814†UL*</td>
<td>Round UL Door 18” x 14”</td>
<td>18” x 14”</td>
<td>20” x 16”</td>
<td>14”</td>
<td>2</td>
<td>48.0 lbs.</td>
</tr>
</tbody>
</table>

For Use With Duct Wrap Systems

<table>
<thead>
<tr>
<th>Outer Template Part #</th>
<th>Description</th>
<th>Outer Plate</th>
<th>Package Quantity</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPR106ULXX‡‡</td>
<td>Outer Plate for 10” x 6” Door</td>
<td>16” x 12”</td>
<td>1</td>
<td>Consult Factory</td>
</tr>
<tr>
<td>OPR128ULXX‡‡</td>
<td>Outer Plate for 12” x 8” Door</td>
<td>18” x 14”</td>
<td>1</td>
<td>Consult Factory</td>
</tr>
<tr>
<td>OPR1814ULXX‡‡</td>
<td>Outer Plate for 18” x 14” Door</td>
<td>24” x 20”</td>
<td>1</td>
<td>Consult Factory</td>
</tr>
<tr>
<td>ULRINSULKIT</td>
<td>Insulation Kit: Two(2) 6” extension studs, 2 washers, 2 coupler nuts, 2 wing nuts, “Do Not Obstruct” sticker, and Installation Instructions.</td>
<td>1</td>
<td>1.0 lbs.</td>
<td></td>
</tr>
</tbody>
</table>

Note: To determine the diameter of the outer plate: Insulation thickness x number of layers x 2 + duct diameter

Example: Diameter of the duct is 14” using 3 layers of 1½” insulation. (1½” x 3) x 2 + 14” = 23” Outer Plate.

Part# OPR106UL23BI

1. Duct Opening
2. Ductmate Industries Ultimate Round Grease Duct Access Door
3. Wing Nuts
4. Washers
5. Extended Insulation Studs With Coupler
6. One Layer 1½” Fire Wrap Insulation
7. One Layer 1½” Fire Wrap Insulation
8. One Layer 1½” Fire Wrap Insulation
9. Outer Plate (16 ga)
10. Washers
11. Wing Nuts
12. Identification Sign

Listed 88VF
Fittings for Hood and Duct Penetration
Grease Duct Access Door
SQUARE FRAMED ACCESS DOORS

STANDARD CHARACTERISTICS OF DUCTMATE SQUARE FRAMED ACCESS DOORS

- DOUBLE GASKETED
- INSULATED
- PRECISION DESIGNED AND MANUFACTURED
- AVAILABLE IN SPECIALTY METALS & RECTANGULAR SIZES

TECHNICAL INFORMATION

- Meets SMACNA HVAC Duct Construction Standards
- 1” High density fiber glass insulation board made from inorganic glass fibers bonded with renewable bio-based materials (FHC25/50).
- R Valve 4.2.
- Door consists of two, 24 gauge galvanized steel panels, mechanically locked together.
- Meets SMACNA requirements for low pressure doors (3” w.g. positive/3” w.g. negative).
- Closed cell cross-linked polyethylene gasketing, with a service temperature range of -70°F to 175°F, is bonded to the inside of both the Dovetail frame and Press-On frames, and also to the outside of the Dovetail frame only.
- Double-sided adhesive gasket: closed cell cross-linked polyethylene is UL 94HF1 listed with a temperature range -110°F to 158°F and is bonded to the outside of the Press-On frame only for easy installation to metal ductwork.
- Frames measuring 6” x 6” to 12” x 12” are manufactured from 24 gauge galvanized steel. Frames measuring 14” x 14” to 24” x 24” are manufactured from 22 gauge steel.
- Dovetail frames have an improved design for easy installation on Metal Ductwall, 1” Duct Board or 1 1/2” Duct Board.
- Hinged Models come with full length piano hinge secured to both the door and frame.
- All cams are manufactured from 16 gauge galvanized steel and secured to the door with a rivet.
- All latches are manufactured from 20 gauge galvanized steel and securely fastened to the frame.
- All Hinge and Cam Doors available with additional Cam Locks.
- All Cam Doors available with optional Chain.
* Consult Ductmate for ordering information

Doors For Metal And High Pressure Ductwall

<table>
<thead>
<tr>
<th>Door Type</th>
<th>Frame Type</th>
<th>Closure</th>
<th>Sizes:**</th>
<th>Alloy</th>
</tr>
</thead>
<tbody>
<tr>
<td>FD = Framed Door</td>
<td>1 = 1” Duct Board</td>
<td>6 = 6” x 6”</td>
<td>16 = 16” x 16”</td>
<td>GA = Galvanized</td>
</tr>
<tr>
<td>15 = 1 1/2” Duct Board</td>
<td>8 = 8” x 8”</td>
<td>18 = 18” x 18”</td>
<td>GN = Galvanneal</td>
<td></td>
</tr>
<tr>
<td>P = Press-On Frame</td>
<td>10 = 10” x 10”</td>
<td>20 = 20” x 20”</td>
<td>AL = Aluminum</td>
<td></td>
</tr>
<tr>
<td>HP = High Pressure</td>
<td>12 = 12” x 12”</td>
<td>24 = 24” x 24”</td>
<td>AZ = Aluminized</td>
<td></td>
</tr>
<tr>
<td>(Insert nothing for a tabbed door for metal ductwall, Example: FDC10GA)</td>
<td>14 = 14” x 14”</td>
<td></td>
<td>S4 = 304 Stainless</td>
<td></td>
</tr>
<tr>
<td>C = Cam Latch</td>
<td></td>
<td></td>
<td>S6 = 316 Stainless</td>
<td></td>
</tr>
<tr>
<td>H = Hinge</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** Note: Sizes Larger Than 14”: Hinged: Two Cams Are Attached Opposite The Hinge -- Cam Latch: Four Cams Are Attached
Doors are available up to size 36”x36” for square or rectangular

ORDERING INFORMATION

EXAMPLE: FD1C10GA

PACKAGING INFORMATION

<table>
<thead>
<tr>
<th>Door Size</th>
<th>6”</th>
<th>8”</th>
<th>10”</th>
<th>12”</th>
<th>14”</th>
<th>16”</th>
<th>18”</th>
<th>20”</th>
<th>24”</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. / Carton</td>
<td>20</td>
<td>20</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Lbs / Carton</td>
<td>31</td>
<td>45</td>
<td>30</td>
<td>39</td>
<td>50</td>
<td>30</td>
<td>38</td>
<td>45</td>
<td>60</td>
</tr>
</tbody>
</table>

Doors can be manufactured with dovetailed flange in extended widths to accommodate 1” or 1 1/2” thick Duct Board.

Idea solutions that work for you everyday...
CABLE SHARK® CABLE HANGING SYSTEM

SPECIAL CHARACTERISTICS

• SMACNA verified, meets SMACNA’s upper and lower attachment construction standards if used per manufacturer’s installation guidelines
• ICC-ES AC284 Certified
• Seismic Certified to ANSI/ASHRAE Standard 171-2017
• Comprehensive Cable Shark Hanging System Construction Standards and Load Charts available online at Ductmate.com
• Engineered for strength and durability
• Fast and easy installation
• Available in cut-to-length sizes with ferruled loop or spools
• Compact design is aesthetically pleasing
• Available in two sizes to meet specific load ranges
• Versatile hanging options for nearly every application

The Ductmate Cable Shark Mechanism and Ductmate Cable Shark Cable Must Always be Used In Conjunction. Use Of Any Other Steel Cable Is Prohibited.

Construction Standards Available on Ductmate.com

CS250
Load Rating: 250 lbs.

CS125
Load Rating: 125 lbs.
CABLE SHARK® CABLE HANGING SYSTEM

PACKAGING INFORMATION

Cable Shark 125

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>U/M</th>
<th>Units/Bag</th>
<th>Bags/Box</th>
<th>Units/Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS125</td>
<td>125 lb Cable Shark</td>
<td>EA</td>
<td>6</td>
<td>30</td>
<td>180</td>
</tr>
<tr>
<td>CSW125500</td>
<td>CS125 Cable 500’ Spool</td>
<td>RL</td>
<td>-</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>CSW1251000</td>
<td>CS125 Cable 1000’ Spool</td>
<td>RL</td>
<td>-</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>CSW125005</td>
<td>CS125 5’ Cut-To-Length Kit*</td>
<td>EA</td>
<td>12</td>
<td>8</td>
<td>96</td>
</tr>
<tr>
<td>CSW125010</td>
<td>CS125 10’ Cut-To-Length Kit*</td>
<td>EA</td>
<td>12</td>
<td>8</td>
<td>96</td>
</tr>
<tr>
<td>CSW125015</td>
<td>CS125 15’ Cut-To-Length Kit*</td>
<td>EA</td>
<td>12</td>
<td>8</td>
<td>96</td>
</tr>
<tr>
<td>CSW125020</td>
<td>CS125 20’ Cut-To-Length Kit*</td>
<td>EA</td>
<td>12</td>
<td>8</td>
<td>96</td>
</tr>
</tbody>
</table>

* Cut-To-Length Kit = 1 x Cable Shark mechanism and cable with ferruled loop on one end

Cable Shark 250

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>U/M</th>
<th>Units/Bag</th>
<th>Bags/Box</th>
<th>Units/Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS250</td>
<td>125 lb Cable Shark</td>
<td>EA</td>
<td>4</td>
<td>30</td>
<td>120</td>
</tr>
<tr>
<td>CSW250500</td>
<td>CS250 Cable 500’ Spool</td>
<td>RL</td>
<td>-</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>CSW2501000</td>
<td>CS250 Cable 1000’ Spool</td>
<td>RL</td>
<td>-</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>CSW250005</td>
<td>CS250 5’ Cut-To-Length Kit*</td>
<td>EA</td>
<td>8</td>
<td>4</td>
<td>32</td>
</tr>
<tr>
<td>CSW250010</td>
<td>CS250 10’ Cut-To-Length Kit*</td>
<td>EA</td>
<td>8</td>
<td>4</td>
<td>32</td>
</tr>
<tr>
<td>CSW250015</td>
<td>CS250 15’ Cut-To-Length Kit*</td>
<td>EA</td>
<td>8</td>
<td>4</td>
<td>32</td>
</tr>
<tr>
<td>CSW250020</td>
<td>CS250 20’ Cut-To-Length Kit*</td>
<td>EA</td>
<td>8</td>
<td>4</td>
<td>32</td>
</tr>
</tbody>
</table>

* Cut-To-Length Kit = 1 x Cable Shark mechanism and cable with ferruled loop on one end

Also Available:

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFCCS</td>
<td>Corner Cleat Saddle for rectangular duct edges. For CSW125 &amp; CSW250.</td>
</tr>
<tr>
<td>HWRC</td>
<td>Cable Shark Cable Cutter for CSW125 &amp; CSW250 Cable Shark Cable</td>
</tr>
<tr>
<td>CSDSTOOL</td>
<td>Cable Shark Engagement Tool for CS125 &amp; CS250</td>
</tr>
</tbody>
</table>

Cable Shark Cutter

Cable Shark Engagement Tool

Corner Saddles
Direct Mount Hanging Bracket For Condenser Units, Heat Pumps, and Other Equipment.

HANGER SYSTEMS

Direct Mount Hanging Bracket For Condenser Units, Heat Pumps, and Other Equipment.

**Spec Sheets**
Available here

---

**Compare the Air Brace to Conventional Methods**

- Rugged structural grade steel construction
- Tested for use in hurricane regions
- Meets the most stringent building codes!
- Available in stainless steel type 304 (Hardware included)
- Engineered product to determine allowable weight loads
- No leveling of ground or waiting for final grade
- Right and left brackets are rounded as an added safety factor
- Provided individually packaged in a sturdy box
- Reduced chance for air blockage
- No cracking, chipping, or decaying
- Bracket supports are a true 90° angle
- No need for shovels, gravel, or block

---

**Technical Information**

<table>
<thead>
<tr>
<th>Wall Material</th>
<th>Allowable Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete Block/Brick</td>
<td>425</td>
</tr>
<tr>
<td>Concrete</td>
<td>425</td>
</tr>
<tr>
<td>Steel Stud</td>
<td>425</td>
</tr>
<tr>
<td>Wood Stud</td>
<td>425</td>
</tr>
</tbody>
</table>

---

**Packing List:**

1. (1) Side Bracket, Right
2. (1) Side Bracket, Left
3. (1) Top Cross Brace
4. (1) Front Cross Brace
5. (2) Mounting Bracket
6. (2) Support Bracket
(For 45" and 55" Air Brace Only)
7. (6) Strap
8. (4) 1/2"-13 Lock Nut
9. (4) 1/2"-13, 1" Long Bolt
10. (8) 1/2" Washer
11. (14) 1/4"-20, 5/8" Long Bolt
12. (28) 1/4" Washer
13. (14) 1/4"-20 Lock Nut
14. (12) #14 Tek Screw

**Ordering Information**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Packaging</th>
<th>Shipping</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIRBRACE36GA</td>
<td>36&quot; x 30&quot;* Condenser Unit Support</td>
<td>1 per box</td>
<td>16.4 lbs. each</td>
</tr>
<tr>
<td>AIRBRACE45GA</td>
<td>45&quot; x 36&quot;* Condenser Unit Support</td>
<td>1 per box</td>
<td>23 lbs. each</td>
</tr>
<tr>
<td>AIRBRACE55GA</td>
<td>55&quot; x 48&quot;* Condenser Unit Support</td>
<td>1 per box</td>
<td>30.85 lbs. each</td>
</tr>
<tr>
<td>AIRBRACE36S4</td>
<td>36&quot; 304SS Hurricane Brace</td>
<td>1 per box</td>
<td>19 lbs.</td>
</tr>
<tr>
<td>AIRBRACE45S4</td>
<td>45&quot; 304SS Hurricane Brace</td>
<td>1 per box</td>
<td>24 lbs.</td>
</tr>
<tr>
<td>AIRBRACE55S4</td>
<td>55&quot; 304SS Hurricane Brace</td>
<td>1 per box</td>
<td>31 lbs.</td>
</tr>
</tbody>
</table>

* All widths adjustable down to 20"

304SS recommended for use within 50 miles of Costal areas

Mounting fasteners not included: Because of the diversity of wall materials, (brick, wood, concrete, etc.) the mounting is the responsibility of the installer.

Note: If using only one hole in the mounting brackets, use the bottom hole.

Contact Ductmate when Engineered Raised Seal Drawing is required.
DUCTMATE TRAPEZE DUCT HANGER

DESCRIPTION
Pre-punched channel section for supporting rectangular or oval ductwork.

SPECIAL CHARACTERISTICS
- 18 gauge galvanized, 20' lengths 2" high x 1-1/2" wide. Oval holes punched 2" on center.
- Easy to cut, light in weight, low in theft
- Neat professional appearance
- Eliminates the hard to cut and punched angle iron, and painting of same, when applicable. Nothing is done in the shop, ship directly to jobsite for immediate use.
- Highly competitive in pricing to 2"x2"x1/4", 2-1/2"x2-1/2"x1/8", 2"x2"x3/16" black angle iron, galvanized iron, or unistrut when all is considered.
- Versatile enough to standardize, thus possibly replacing several other types of hangers, reducing inventory cost.

Holes can be oriented up or down.

INSTALLATION INSTRUCTIONS
1. Cut trapeze duct hanger to size.
2. Slide all thread through pre-punched oval holes. Slide on washer (included with each bundle), tighten nut.
3. Space hanger rods according to load chart below:

<table>
<thead>
<tr>
<th>L</th>
<th>d=2 inches P (lbs)</th>
<th>*d-6 inches P (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>18&quot;</td>
<td>1100</td>
<td>850</td>
</tr>
<tr>
<td>24&quot;</td>
<td>1100</td>
<td>850</td>
</tr>
<tr>
<td>30&quot;</td>
<td>1100</td>
<td>840</td>
</tr>
<tr>
<td>36&quot;</td>
<td>1100</td>
<td>830</td>
</tr>
<tr>
<td>42&quot;</td>
<td>1100</td>
<td>810</td>
</tr>
<tr>
<td>48&quot;</td>
<td>1100</td>
<td>780</td>
</tr>
<tr>
<td>54&quot;</td>
<td>1100</td>
<td>735</td>
</tr>
<tr>
<td>60&quot;</td>
<td>1100</td>
<td>680</td>
</tr>
<tr>
<td>66&quot;</td>
<td>1100</td>
<td>600</td>
</tr>
<tr>
<td>72&quot;</td>
<td>1100</td>
<td>520</td>
</tr>
<tr>
<td>78&quot;</td>
<td>680</td>
<td>400</td>
</tr>
<tr>
<td>84&quot;</td>
<td>190</td>
<td>275</td>
</tr>
<tr>
<td>96&quot;</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>108&quot;</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

L = Distance between hanger rods.
d = Distance between hanger rods and duct wall. Above tables assume duct is centered between hangers.
P = Total weight of duct including reinforcements, connections, insulation, etc. NOTE: For d greater than 2 inches, the 6 inch table MUST be used.

See page 5.14 fig. 5-6 of the 2005 SMACNA HVAC Duct Construction Standards - metal and flexible for calculation method.

* This table is similar to table in SMACNA in that it assumes a 6" space between duct and hanger rod.

PACKAGING INFORMATION

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Product</th>
<th>Packing Unit</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRAP03GA</td>
<td>Trapeze Hanger</td>
<td>300' bundle w/75 washers</td>
<td>360 lbs/bdl</td>
</tr>
<tr>
<td>TRAP05GA</td>
<td>Trapeze Hanger</td>
<td>500' bundle w/125 washers</td>
<td>600 lbs/bdl</td>
</tr>
<tr>
<td>DM2735AS</td>
<td>Isolation Pad</td>
<td>100 Pieces</td>
<td>12 lbs/carton</td>
</tr>
<tr>
<td>TBCLAMP1</td>
<td>Beam Clamp only</td>
<td>Each</td>
<td>.275 lbs</td>
</tr>
<tr>
<td>TBCLAMP</td>
<td>Beam Clamp Assembly*</td>
<td>100 Pieces</td>
<td>48 lbs/carton</td>
</tr>
</tbody>
</table>

* Beam Clamp Assembly consists of: beam clamp, trap washer, 3/8 x 6" bolt, 2 flat washers, and nut.

See Ductmate Website For Load Chart
VISUALLY APPEALING DUCT HANGERS
NO TOOLING OR FABRICATION REQUIRED

Please Contact Ductmate About Specialty Metal Requests

ISOLATION DUCT HANGER

The sturdy tension bracket has a much greater load-bearing capacity than the corresponding threaded rods.

The rubber padding which prevents vibrations from being transmitted is 1-3/4” (45 mm) x 2” (50 mm) and 2-3/16” (55 mm) thick.

RUBBER PREVENTS VIBRATION NOISE TRANSMISSION FROM AIR DUCTS AND OTHER VENTILATION DEVICES TO PARTS OF THE BUILDING.

- For 3/8” Threaded Rod
- Overall Length 5-7/8” (150mm)
- Max. Width 1-13/16” x 1-13/16” (45x45mm)
- Load-Bearing Capacity: 1100 lbs (500 kg) 680 lbs (308 kg) is the maximum allowable load with ⅜” rod.
- Packing Unit: 50 Pcs./Case
  @ 37 lbs (17KG)/Case

Technical Information:

- Finish/Coating: Zinc Electroplated to 10-15 Microns
- Rubber Type: Styrene-butadiene
- Durometer Hardness: 75-85 Shore Hardness
- Max Temp: 194° F
- Min Temp: -22° F

Part No. DM2723SI

ROUND DUCT HANGER

Specifications:

- Manufactured from 20 gauge galvanized metal.
- ¼”-20x1” carriage bolt with zinc plated wing nut.
- No tools needed

Part Number Variation: RDH * GA20

* Insert desired diameter in sizes
  3”-10” (in 1” increments)
  12”-34” (in 2” increments)

<table>
<thead>
<tr>
<th>Single Hanger Strap Maximum Allowable Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>1” x 22 ga - 260 lbs.</td>
</tr>
<tr>
<td>1” x 20 ga - 320 lbs.</td>
</tr>
<tr>
<td>1” x 18 ga - 420 lbs.</td>
</tr>
<tr>
<td>1” x 18 ga - 700 lbs.</td>
</tr>
<tr>
<td>1-1/2” x 16 ga - 1100 lbs.</td>
</tr>
</tbody>
</table>
CONVENIENT STRAPPING FOR HANGING

ROUND DUCT STRAP BRACKET

THE IDEAL WAY TO HANG ROUND DUCTWORK.
NO TOOLS NEEDED.
THE STEEL STRAP IS HAND BENT INTO THE BRACKET WHICH IS SELF LOADING.

PART NUMBER VARIATIONS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Alloy</th>
<th>PACKAGING</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM4703</td>
<td>GA = 14 GA. Galvanized</td>
<td>200 Pcs./Case</td>
</tr>
<tr>
<td></td>
<td>S6 = 316 Stainless Steel</td>
<td>@ 27.5 Lbs. (12.5 KG)/Case</td>
</tr>
</tbody>
</table>

SPECIFICATIONS
- CAN BE USED WITH DUCTWORK UP TO 50" IN DIAMETER
- FITS STRAPPING 1" IN WIDTH, GAUGES 18 - 22
- CAN BE USED WITH ROD 5/16" - 3/8"
- Review SMACNA's 2005 HVAC Duct Construction Standards Table 5-1 for allowable weight load

STRAPPING IN 10' LENGTHS

<table>
<thead>
<tr>
<th>PRODUCT NO.</th>
<th>GAUGE</th>
<th>WIDTH</th>
<th>WT. (lbs.)</th>
<th>PACKAGING QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1STGA16</td>
<td>16</td>
<td>1&quot;</td>
<td>.200/LF</td>
<td>10' LENGTHS</td>
</tr>
<tr>
<td>1STGA18</td>
<td>18</td>
<td>1&quot;</td>
<td>.170/LF</td>
<td>100' BUNDLES</td>
</tr>
<tr>
<td>1STGA20</td>
<td>20</td>
<td>1&quot;</td>
<td>.120/LF</td>
<td></td>
</tr>
<tr>
<td>1STGA24</td>
<td>24</td>
<td>1&quot;</td>
<td>.100/LF</td>
<td></td>
</tr>
<tr>
<td>1STGA26</td>
<td>26</td>
<td>1&quot;</td>
<td>.074/LF</td>
<td></td>
</tr>
</tbody>
</table>

HANGER STRAP IN A BOX

- Convenient carrying handle
- Easy to dispense box design
- Standard galvanized
- Available in stainless
- Perfect for small or difficult installations

STRAPPING IN COILS

- 100 LB Coils have a 20" I.D. with 30" O.D.
- 18 gauge hot-dipped galvanized (meets ASTM-A-653 G 60/90)
- Available in 100 pound coils
- Each coil is banded with metal straps
- Orders must be by full skids

VINYL DUCT STRAPPING

SIMPLEST WAY TO HANG FLEXIBLE OR LIGHT WEIGHT DUCT.
STRONGEST ALL-PURPOSE FABRIC.
PERFECT FOR SMALL INSTALLATIONS.

PART NUMBER VARIATIONS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Material</th>
<th>PACKAGING QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMVS200</td>
<td>Vinyl Super Duty Fabric</td>
<td>200 LF/Box</td>
</tr>
</tbody>
</table>

SPECIFICATIONS
- Can be used with light weight steel and flexible duct
- Fabric is NFPA 701
- Vinyl width size is 1.5"
- Custom widths available, minimum purchase required

VINYL SUPER DUTY FABRIC SPECIFICATIONS

Base Fabric: Polyester/Polyester
Color: Gray
Weight: 20 oz/sq.yd ± 2
Tearing Strength: W: 65 lbs F: 70 lbs
Tensile Strength: W: 425 lbs F: 280 lbs
Low Temperature: -40°F
High Temperature: 200° F

CONVENIENT STRAPPING FOR HANGING
EASYROD TIE ROD CONSTRUCTION

A simple, strong component system to make the installation of tie rods faster. Can be used for both positive and negative pressure.

NEW MAGNETIC TIE ROD ANCHOR SET

Innovative device to help install the bolt anchor into pipe. Heavy cast steel with magnetic tip insures a fast, strong friction fit.

- Pull out strength of 600 lbs for ½” and 900 lbs for ¾”
- Quickly inserts into ductwork
- Can be used for both Positive and Negative pressure

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>PACKING UNIT</th>
<th>UNIT WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>EZ50</td>
<td>BOLT, WASHER, INSERT FOR 1/2” EMT CONDUIT</td>
<td>250 SETS</td>
<td>9 LBS (4.1 KG)</td>
</tr>
<tr>
<td>EZ75</td>
<td>BOLT, WASHER, INSERT FOR 3/4” EMT CONDUIT</td>
<td>250 SETS</td>
<td>10 LBS (4.5 KG)</td>
</tr>
<tr>
<td>EZTOOL</td>
<td>MAGNETIC TIE ROD ANCHOR SET</td>
<td>1 EA.</td>
<td>2 LBS (.9 KG)</td>
</tr>
</tbody>
</table>

EASYSTUD TIE ROD CONSTRUCTION

- Pull out strength of 600 lbs
- Quickly inserts into ductwork
- Can be easily installed by one person
- Can be used for both Positive and Negative pressure

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>PACKING UNIT</th>
<th>UNIT WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES50</td>
<td>INSERT WITH THREADED ROD ATTACHED, WASHER, NUT, FOR 1/2” EMT CONDUIT</td>
<td>250 SETS</td>
<td>10.5 LBS (4.1 KG)</td>
</tr>
<tr>
<td>ESTOOL</td>
<td>INserter TOOL FOR EASYSTUD</td>
<td>1 EA.</td>
<td>2 LBS (.9 KG)</td>
</tr>
</tbody>
</table>
REINFORCEMENTS

DUCTMATE “Z-BAR” REINFORCEMENT

FEATURES:
- Advanced Design
- Cost Effective
- Light Weight
- Strong
- Easy To Use

SPECIFICATIONS:
- Precision roll-formed from 24 gauge galvanized steel.
- Classification Conforms to SMACNA “H” equivalent.

RECOMMENDED USE:
- Intermediate reinforcement for rectangular duct. Fasten within 3/4” of vertical duct wall, then 8” on center.

PACKAGING:

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Weight</th>
<th>Length/Bundle</th>
</tr>
</thead>
<tbody>
<tr>
<td>DLST15GA</td>
<td>“Z-BAR”</td>
<td>.67 lbs/ft</td>
<td>(75) 20’ pcs/1500’ bdl.</td>
</tr>
</tbody>
</table>

NOTE: CONSULT MATERIAL AVAILABILITY CHART FOR SPECIALTY ALLOYS

RETAINING ANGLE FOR EXTERNAL REINFORCEMENT & FRAMING FIRE DAMPERS

- Cold formed galvanized angle
- SMACNA E class rigidity (may be used for duct reinforcement)
- Available in 14, 16, and 18 gauge
- Optional pre-punched 7/32 holes (one or both sides) for faster fastening of angle to sleeve
- Available in 10’ and 20’ lengths; 12’ lengths also available in certain sizes/gauges
- Available in 1.5” and 2”
- Additional angle and bundle sizes, gauges, and materials available - contact Ductmate for availability

Typical Installation Details

(A) Retaining Angles:
Minimum 1 1/2 x 1 1/2 x 0.058
(16 ga.) Retaining angles must lap structural opening 1” minimum and cover corners of openings.

(B) Clearance: 1/8” Per Linear Foot Both Dimensions.

(C) Steel Sleeve

(D) Approved Fire Damper (curtain or blade type)

(E) Secure Retaining Angle to Sleeve Only on 8” Centers With:
1. 1/2 long welds or
2. 1/4 Bolts and Nuts, or
3. No. 10 screws, or
4. Minimum 3/16 Steel Rivets

(F) Secure Damper To Sleeve On 8” Centers With:
1. 1/2 long welds, or
2. 1/4 Bolts and Nuts, or
3. No. 10 Steel Screws, or
4. Minimum 1/16 Steel Rivets

MEETS ASHRAE, SMACNA and UMC STANDARDS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Bundle Size</th>
<th>Weight</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>A11.5*GA1410**</td>
<td>1.5” X 1.5” - 14 ga</td>
<td>1000’</td>
<td>.73 lbs/lf.</td>
<td>10’ or 20’ pcs</td>
</tr>
<tr>
<td>A11.5*GA1450**</td>
<td>1.5” X 1.5” - 14 ga</td>
<td>500’</td>
<td>.73 lbs/lf.</td>
<td>10’ or 20’ pcs</td>
</tr>
<tr>
<td>A11.5*GA1610**</td>
<td>1.5” X 1.5” - 16 ga</td>
<td>1000’</td>
<td>.62 lbs/lf.</td>
<td>10’ or 20’ pcs</td>
</tr>
<tr>
<td>A11.512GA16600</td>
<td>1.5” X 1.5” - 16 ga</td>
<td>600’</td>
<td>.62 lbs/lf.</td>
<td>12’ pcs</td>
</tr>
<tr>
<td>A11.5*GA1650**</td>
<td>1.5” X 1.5” - 16 ga</td>
<td>500’</td>
<td>.62 lbs/lf.</td>
<td>10’ or 20’ pcs</td>
</tr>
<tr>
<td>A12*GA141000**</td>
<td>2” X 2” - 14 ga</td>
<td>1000’</td>
<td>1.04 lbs/lf.</td>
<td>10’ or 20’ pcs</td>
</tr>
<tr>
<td>A12*GA161000**</td>
<td>2” X 2” - 16 ga</td>
<td>1000’</td>
<td>.77 lbs/lf.</td>
<td>10’ or 20’ pcs</td>
</tr>
<tr>
<td>A12*GA181000**</td>
<td>2” X 2” - 18 ga</td>
<td>1000’</td>
<td>.63 lbs/lf.</td>
<td>10’ or 20’ pcs</td>
</tr>
</tbody>
</table>

* Insert 10 for 10’ lengths; Insert 20 for 20’ lengths
** Insert H for holes; NH for no holes
EXAMPLE: A11.520GA1410NH = 20’ length, no holes
UNIQUE FRICTION-FIT FEATURES & BENEFITS

- ASSEMBLES QUICKLY AND EASILY
- SUBSTANTIAL REDUCTION IN LABOR
- SUPERIOR PULL-OUT STRENGTH / TESTED TO 15" W.G.
- SECURELY LOCKS VANE & RAIL TOGETHER
- TABS CONFORM TO SMACNA’S SPACING STANDARDS
- NO MECHANICAL FASTENERS REQUIRED
- NO SPECIAL TOOLS NEEDED
- VANES ARE AUTOMATICALLY CENTERED AND ALIGNED
- EXTENDED TABS INCREASE VANE RIGIDITY RESULTING IN LESS NOISE & VIBRATION
- WORKS ON STANDARD 2” & 4” DOUBLE WALL AND ACOUSTICAL VANES
- MAGNETIC TEMPLATES AVAILABLE TO EASE FASTENING RAIL TO DUCTWALL
- INSTALLATION LITERATURE AVAILABLE FOR REDUCING ELBOWS, OFFSETS, ETC.
- AVAILABLE FOR DOUBLE WALL VANE ONLY
- 4” ACOUSTICAL NOISE REDUCING TURNING VANE FOR SYSTEMS REQUIRING QUIET OPERATIONS

ORDERING INFORMATION
EXAMPLE: 2PRGA24

<table>
<thead>
<tr>
<th>PRORAIL SIZE</th>
<th>ALLOY</th>
<th>GAUGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example: 2PR</td>
<td>Example: GA</td>
<td>Example: 24</td>
</tr>
<tr>
<td>2PR = 2” PRORAIL</td>
<td>GA = GALVANIZED</td>
<td>22 = 22 GA</td>
</tr>
<tr>
<td>4PR = 4” PRORAIL</td>
<td>GN = GALVANNEAL</td>
<td>24 = 24 GA</td>
</tr>
<tr>
<td></td>
<td>S4 = 304 STAINLESS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>S6 = 316 STAINLESS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AZ = ALUMINIZED</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AL = ALUMINUM</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BI = BLACK IRON</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PVC = PVC COATED</td>
<td></td>
</tr>
</tbody>
</table>

PACKAGING INFORMATION

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PACKAGING QTY</th>
<th>WEIGHT (lbs/ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2” RAIL</td>
<td>10'/ea-100'/bdl</td>
<td>22 GA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>24 GA</td>
</tr>
<tr>
<td>4” RAIL</td>
<td>10'/ea-100'/bdl</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**ECONORAIL™**

- Can be used with a variety of double wall vane
- Easily attaches vane to rail without the use of fasteners
- Economic means to install double wall vane
- No special tools required
- Tab Spacing - Does not meet SMACNA
  - 2" - 2½"
  - 4" - 3½"

**PACKAGING**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PACKAGING</th>
<th>WEIGHT (lbs/ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>22 ga</td>
</tr>
<tr>
<td>2&quot; RAIL</td>
<td>10'/ea-100'/bdl</td>
<td>.47</td>
</tr>
<tr>
<td>4&quot; RAIL</td>
<td>10'/ea-100'/bdl</td>
<td>.87</td>
</tr>
</tbody>
</table>

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>ECONORAIL SIZE</th>
<th>ALLOY TYPE (Example: GA)</th>
<th>GAUGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>2ER = 2&quot; D. WALL VANE</td>
<td>GALVANIZED</td>
<td>Example: 22 = 22 GA</td>
</tr>
<tr>
<td>2ER = 2&quot; ECONORAIL</td>
<td>GALVANNEAL</td>
<td>24 = 24 GA</td>
</tr>
<tr>
<td>4ER = 4&quot; D. WALL VANE</td>
<td>304 STAINLESS</td>
<td>24 = 24 GA</td>
</tr>
<tr>
<td>4ER = 4&quot; ECONORAIL</td>
<td>316 STAINLESS</td>
<td>24 = 24 GA</td>
</tr>
<tr>
<td>4ER = 4&quot; ACOUSTICAL VANE</td>
<td>PVC = PVC COATED</td>
<td></td>
</tr>
</tbody>
</table>

**MONORAIL™**

- Versatile single wall or double wall system
- Slotted for even spacing of vane
- Rigid design for reduced vibration
- No special tools required
- Tab Spacing - Does not meet SMACNA
  - 2" - 2½"
  - 4" - 3½"

**PACKAGING**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PACKAGING</th>
<th>WEIGHT (per Box)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; Rail</td>
<td>.100'/Roll - 2 Roll/Box</td>
<td>40 Lbs.</td>
</tr>
<tr>
<td>4&quot; Rail</td>
<td>.100'/Roll - 1 Roll/Box</td>
<td>40 Lbs.</td>
</tr>
</tbody>
</table>

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>MONORAIL SIZE</th>
<th>ALLOY TYPE</th>
<th>GAUGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>2MR = 2&quot; Monorail</td>
<td>GALVANIZED</td>
<td>24 = 24 GA</td>
</tr>
<tr>
<td>4MR = 4&quot; Monorail</td>
<td>ALUMINUM</td>
<td>24 = 24 GA</td>
</tr>
<tr>
<td>2MR = 2&quot; Monorail</td>
<td>304 STAINLESS</td>
<td>24 = 24 GA</td>
</tr>
<tr>
<td>4MR = 4&quot; Monorail</td>
<td>316 STAINLESS</td>
<td>24 = 24 GA</td>
</tr>
</tbody>
</table>

**DOUBLE WALL TURNING VANE**

- 4" Double Wall or Acoustical Vane
  - 2½" RAD
  - 90 deg

- 4" Single Wall Vane
  - 1" RAD
  - 90 deg

- 2" Double Wall Vane
  - 1½" RAD
  - 90 deg

- 2" Single Wall Vane
  - 1½" RAD
  - 90 deg

**SINGLE WALL TURNING VANE**

- 4" Single Wall Vane
  - 1½" RAD
  - 90 deg

- 2" Single Wall Vane
  - 1½" RAD
  - 90 deg

**PACKAGING**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PACKAGING</th>
<th>WEIGHT (lbs/ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; SINGLE WALL VANE</td>
<td>10'/EA-100'/bdl</td>
<td>.22</td>
</tr>
<tr>
<td>2&quot; DOUBLE WALL VANE</td>
<td>10'/EA-100'/bdl</td>
<td>.43</td>
</tr>
<tr>
<td>4&quot; VANE SINGLE WALL</td>
<td>10'/EA-50'/bdl</td>
<td>.65</td>
</tr>
<tr>
<td>4&quot; DOUBLE WALL VANE</td>
<td>10'/EA-50'/bdl</td>
<td>1.3</td>
</tr>
<tr>
<td>4&quot; DOUBLE WALL ACOUSTICAL VANE</td>
<td>10'/EA-50'/bdl</td>
<td>1.3</td>
</tr>
</tbody>
</table>

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>VANE SIZE</th>
<th>ALLOY TYPE</th>
<th>GAUGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>2V = 2&quot; Double Wall Vane</td>
<td>GALVANIZED</td>
<td>22 = 22 GA</td>
</tr>
<tr>
<td>4V = 4&quot; Double Wall Vane</td>
<td>ALUMINUM</td>
<td>24 = 24 GA</td>
</tr>
<tr>
<td>4AV = 4&quot; Double Wall Acoustical Vane</td>
<td>304 STAINLESS</td>
<td>26 = 26 GA</td>
</tr>
<tr>
<td>4SWV = 4&quot; Single Wall Vane</td>
<td>316 STAINLESS</td>
<td>24 = 24 GA</td>
</tr>
<tr>
<td>2SWV = 2&quot; Single Wall Vane</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PROseal is a premium water based high-velocity duct sealant.

- Indoor/outdoor grade
- For applications up to 15" WG
- Low brush drag & spreadability
- Permanently seals metal duct systems
- Highly crack resistant
- Remains flexible
- Excellent UV, flexibility, mold resistant, & water resistant properties
- Paintable with latex based paint
- Will not drip or sag
- Mild odor
- UL 181B-M Listed & UL 723 Classified
- LEED® Compliant
- Meets all applicable EPA Method 24, CDPH, and SCAQMD standards
- Qualifies for LEED® Credit EQ 4.1
- Conforms to requirements of NFPA 90A & 90B
- Manufactured by S.M.W.I.A. Local 12

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>PACKAGING</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROSEALT</td>
<td>1/12 gallon (11oz.) tubes (25 tubes/case)</td>
<td>25 lbs./case</td>
</tr>
<tr>
<td>PROSEALTQ</td>
<td>1/4 gallon (32oz.) tubes (12 tubes/case)</td>
<td>28 lbs./case</td>
</tr>
<tr>
<td>PROSEAL1</td>
<td>1 gallon pail (4 pails/case)</td>
<td>48 lbs./case</td>
</tr>
<tr>
<td>PROSEAL5</td>
<td>5 gallon pail</td>
<td>58 lbs./pail</td>
</tr>
<tr>
<td>PROSEAL55</td>
<td>54 gallon drum</td>
<td>639 lbs./drum</td>
</tr>
</tbody>
</table>

**CHEMICAL TYPE:** Synthetic Latex

**COLOR:** Gray

**ODOR:** Mild (wet); None (dry)

**VOC CONTENT:** Pass - Very Low

**TVOC EMISSIONS:** Private office - Pass; School Classroom - Pass

**DENSITY:** 11.3 ± 0.3 lbs per gallon

**SOLID CONTENTS:** 62% ± 2%

**VISCOSITY:** 275,000 ± 25,000 cPs

**APPLICATION TEMPERATURE:** 35° F to 110° F

**SERVICE TEMPERATURE:** -25° F to 220° F

**STORAGE TEMPERATURE:** 35° F to 110° F

**DRY TO TOUCH:** 1 hour (approximate)

**CURE TIME:** 24 to 72 hours + Depending on humidity, application, and temperature

**FLEXIBILITY ASTM D522 (1/8" Mandrel Bend):** Pass

**MOLD RESISTANCE UL 181B Mold & Humidity Test:** Pass

**FREEZE THAW STABILITY:** Pass - Exceeds Standards

**ADHESION STRENGTH UL 181B PEEL ADHESION:** Pass

**COVERAGE:**
- 25 sq. ft./gal. at 1/16"
- 50 sq. ft./gal. at 1/32"

**SHELF LIFE:** 1 year (unopened container)

**WARNING:** DO NOT ALLOW TO FREEZE

**KEEP OUT OF REACH OF CHILDREN** Consult The SDS Sheet Before Using Product
PROseal Spray is a premium water based high-velocity duct sealant that can be applied using a wide range of sealant application equipment.

- Tremendous labor savings
- Indoor/Outdoor grade
- For applications up to 15” w.g.
- UL 181B-M listed & UL 723 classified
- LEED® Compliant, meets all applicable SCAQMD standards
- Excellent UV, Flexibility, & Mold Resistant Properties
- Remains flexible
- Excellent adhesion to metal
- Will not drip or sag
- Low shrinkage
- Non-Flammable
- Mild odor
- Conforms to requirements of NFPA 90A & 90B
- Paintable with latex based paint
- Manufactured by S.M.W.I.A. local 12

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>PACKAGING</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROSEALSPRAY5</td>
<td>5 gallon pail</td>
<td>60 lbs./pail</td>
</tr>
<tr>
<td>PROSEALSPRAY54</td>
<td>54 gallon drum</td>
<td>608 lbs./drum</td>
</tr>
</tbody>
</table>

**CHEMICAL TYPE:** Synthetic Latex

**COLOR:** Gray

**ODOR:** Mild (wet); None (dry)

**VOC CONTENT:** EPA Method 24 Pass - Very Low

**TVOC EMISSIONS:** CDPH Standard Method v1.2 Private office - Pass; School Classroom - Pass

**DENSITY:** 11.3 ± 0.3 lbs per gallon

**SOLID CONTENTS:** 68% ± 2%

**VISCOSITY:** 80,000 ± 20,000 cPs

**APPLICATION TEMPERATURE:** 35°F to 110°F

**SERVICE TEMPERATURE:** -25°F to 220°F

**STORAGE TEMPERATURE:** 35°F to 110°F

**DRY TO TOUCH:** 1 hour (approximate)

**CURE TIME:** 24 to 72 hours + Depending on humidity, application, and temperature

**FLEXIBILITY ASTM D522 (1/8” Mandrel Bend):** Pass

**MOLD RESISTANCE UL 181B Mold & Humidity Test:** Pass

**FREEZE THAW STABILITY:** Pass - Exceeds Standards

**ADHESION STRENGTH UL 181B PEEL ADHESION:**

- 25 sq. ft./gal. at 1/16”
- 50 sq. ft./gal. at 1/32”

**COVERAGE:**

**SHELF LIFE:** 1 year (unopened container)

**KEEP OUT OF REACH OF CHILDREN** Consult The SDS Sheet Before Using Product
FIBERseal is a premium water based high-velocity duct sealant.

- Indoor/outdoor grade
- For applications up to 15" WG
- Low brush drag & spreadability
- Permanently seals metal duct systems
- High crack resistant
- Remains flexible
- Excellent UV, flexibility, mold resistant, & water resistant properties
- Paintable with latex based paint
- Will not drip or sag
- Mild odor
- UL 181B-M Listed & UL 723 Classified
- LEED® Compliant
- Meets all applicable EPA Method 24, CDPH, and SCQAQM standards
- Qualifies for LEED® Credit EQ 4.1
- Conforms to requirements of NFPA 90A & 90B
- Manufactured by S.M.W.I.A. Local 12

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>PACKAGING</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIBERSEALT</td>
<td>1/12 gallon (11oz.) tubes (25 tubes/case)</td>
<td>24 lbs./case</td>
</tr>
<tr>
<td>FIBERSEALTQ</td>
<td>1/4 gallon (32oz.) tubes (12 tubes/case)</td>
<td>28 lbs./case</td>
</tr>
<tr>
<td>FIBERSEAL1</td>
<td>1 gallon pail (4 pails/case)</td>
<td>46 lbs./case</td>
</tr>
<tr>
<td>FIBERSEAL5</td>
<td>5 gallon pail</td>
<td>58 lbs./pail</td>
</tr>
<tr>
<td>FIBERSEAL55</td>
<td>54 gallon drum</td>
<td>639 lbs./drum</td>
</tr>
</tbody>
</table>

CHEMICAL TYPE: Synthetic Latex - Fiber Reinforced
COLOR: Gray
ODOR: Mild (wet); None (dry)
VOC CONTENT: EPA Method 24
TVOC EMISSIONS: CDPH Standard Method v1.2
DENSITY: 11.2 ± 0.3 lbs per gallon
SOLID CONTENTS: 62% ± 2%
VISCOITY: 275,000 ± 25,000 cPs
APPLICATION TEMPERATURE: 35°F to 110°F
SERVICE TEMPERATURE: -25°F to 220°F
STORAGE TEMPERATURE: 35°F to 110°F
DRY TO TOUCH: 1 hour (approximate)
CURE TIME: 24 to 72 hours + Depending on humidity, application, and temperature

FLEXIBILITY ASTM D522 (1/8" Mandrel Bend): Pass
MOLD RESISTANCE UL 181B Mold & Humidity Test: Pass
FREEZE THAW STABILITY: Pass
ADHESION STRENGTH UL 181B PEEL ADHESION: Pass - Exceeds Standards
COVERAGE: 25 sq. ft./gal. at 1/16" 50 sq. ft./gal. at 1/32"

SHELF LIFE: 1 year (unopened container)

WARNING: DO NOT ALLOW TO FREEZE
KEEP OUT OF REACH OF CHILDREN Consult The SDS Sheet Before Using Product
EVERseal is a commercial grade water based, smooth duct sealant.

- Indoor/outdoor grade
- For applications up to 15” WG
- Low brush drag & spreadability
- Permanently seals metal duct systems
- Highly crack resistant
- Remains flexible
- Excellent UV, flexibility, mold resistant, & water resistant properties
- Paintable with latex based paint
- Will not drip or sag
- Mild odor
- UL 181B-M Listed & UL 723 Classified
- LEED® Compliant
- Meets all applicable EPA Method 24, CDPH, and SCQQMD standards
- Qualifies for LEED® Credit EQ 4.1
- Conforms to requirements of NFPA 90A & 90B
- Manufactured by S.M.W.I.A. Local 12

### CHEMICAL TYPE:
- Synthetic Latex

### COLOR:
- Gray

### ODOR:
- Mild (wet); None (dry)

### VOC CONTENT:
- EPA Method 24
  - Pass - Very Low

### TVOC EMISSIONS:
- CDPH Standard Method v1.2
  - Private office - Pass; School Classroom - Pass

### DENSITY:
- 11.3 ± 0.3 lbs per gallon

### SOLID CONTENTS:
- 62% ± 2%

### VISCOSITY:
- 250,000 ± 25,000 cPs

### APPLICATION TEMPERATURE:
- 35°F to 110°F

### SERVICE TEMPERATURE:
- -25°F to 220°F

### STORAGE TEMPERATURE:
- 35°F to 110°F

### DRY TO TOUCH:
- 1 hour (approximate)

### CURE TIME:
- 24 to 72 hours +
  - Depending on humidity, application, and temperature

### FLEXIBILITY ASTM D522 (1/8” Mandrel Bend):
- Pass

### MOLD RESISTANCE UL 181B Mold & Humidity Test:
- Pass

### FREEZE THAW STABILITY:
- Pass

### ADHESION STRENGTH UL 181B PEEL ADHESION:
- Pass - Exceeds Standards

### COVERAGE:
- 25 sq. ft./gal. at 1/16”
- 50 sq. ft./gal. at 1/32”

### SHELF LIFE:
- 1 year (unopened container)

---

**WARNING:** DO NOT ALLOW TO FREEZE

**KEEP OUT OF REACH OF CHILDREN** Consult The SDS Sheet Before Using Product
EZ-Seal is a commercial grade water-based duct sealant with fiber reinforcement.

- Indoor/outdoor grade
- For applications up to 15” WG
- Low brush drag & spreadability
- Permanently seals metal duct systems
- Highly crack resistant
- Remains flexible
- Excellent UV, flexibility, mold resistant, & water resistant properties
- Paintable with latex based paint
- Will not drip or sag
- Mild odor
- UL 181B-M Listed & UL 723 Classified
- LEED® Compliant, meets all applicable SCAQMD standards
- Conforms to requirements of NFPA 90A & 90B
- Manufactured by S.M.W.I.A. Local 12

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>PACKAGING</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>EZSEALT</td>
<td>1/12 gallon (11oz.) tubes (25 tubes/case)</td>
<td>25 lbs./case</td>
</tr>
<tr>
<td>EZSEAL1</td>
<td>1 gallon pail (4 pails/case)</td>
<td>47 lbs./case</td>
</tr>
<tr>
<td>EZSEAL5</td>
<td>5 gallon pail</td>
<td>58 lbs./pail</td>
</tr>
<tr>
<td>EZSEAL55</td>
<td>54 gallon drum</td>
<td>639 lbs./drum</td>
</tr>
</tbody>
</table>

**CHEMICAL TYPE:** Synthetic Latex- Fiber Reinforced

**COLOR:** Gray

**ODOR:** Mild (wet); None (dry)

**VOC CONTENT:** Pass - Very Low

**TVOC EMISSIONS:**
- CDPH Standard Method v1.2 - Private office - Pass; School Classroom - Pass

**DENSITY:** 11.3 ± 0.3 lbs per gallon

**SOLID CONTENTS:** 62% ± 2%

**VISCOSITY:** 250,000 ± 25,000 cPs

**APPLICATION TEMPERATURE:** 35°F to 110°F

**SERVICE TEMPERATURE:** -25°F to 220°F

**STORAGE TEMPERATURE:** 35°F to 110°F

**DRY TO TOUCH:** 1 hour (approximate)

**CURE TIME:** 24 to 72 hours + Depending on humidity, application, and temperature

**FLEXIBILITY ASTM D522 (1/8” Mandrel Bend):** Pass

**MOLD RESISTANCE UL 181B Mold & Humidity Test:** Pass

**FREEZE THAW STABILITY:**

**ADHESION STRENGTH UL 181B PEEL ADHESION:** Pass - Exceeds Standards

**COVERAGE:**
- 25 sq. ft./gal. at 1/16"
- 50 sq. ft./gal. at 1/32"

**SHELF LIFE:** 1 year (unopened container)

**WARNING:** DO NOT ALLOW TO FREEZE
KEEP OUT OF REACH OF CHILDREN Consult The SDS Sheet Before Using Product
SOLVENT BASED SEALANT

**SOLVseal**

**NEW! LOW VOC FORMULA**

SOLVseal is a premium solvent based high velocity duct sealant based on a blend of unique synthetic elastomers, select hydrocarbon resins and minerals. This blend results in a superior product that is unequaled in performance.

- UL Classified
- Low VOCs
- For applications up to 15" WG
- Permanently flexible
- Fast drying
- Exceptional workability
- Will not drip or sag
- High water resistance
- Low brush drag
- Excellent spreadability
- Minimal shrinkage
- Superior sealing strength
- Conforms to the requirements of NFPA 90A and 90B
- Mildew resistant

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>PACKAGING</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOLVSEALT1LVOC</td>
<td>1/12 gallon (11oz.) tubes (24 tubes/case)</td>
<td>21 lbs./case</td>
</tr>
<tr>
<td>SOLVSEAL1LVOC</td>
<td>1 gallon pail (4 pails/case)</td>
<td>39 lbs./case</td>
</tr>
</tbody>
</table>

**CHEMICAL TYPE:** Synthetic Rubber  
**COLOR:** Gray  
**TYPE:** Solvent based  
**ODOR:** Strong (wet); Mild (dry)  
**VOC CONTENT:** 193 g/L  
**TVOC EMISSIONS:**  
- CDPH Standard Method v1.1: Private Office - Pass; School Classroom - Pass  
**DENSITY:** 9.1 ± 0.2 lbs per gallon  
**SOLID CONTENTS:** 67% ± 2%  
**VISCOSITY:** 150,000 ± 25,000 cPs  
**APPLICATION TEMPERATURE:** 0°F to 110°F  
**SERVICE TEMPERATURE:** -20°F to 190°F  
**STORAGE TEMPERATURE:** 35°F to 110°F  
**DRY TO TOUCH:** <10 minutes (approximate)  
**CURE TIME:** 24 to 48 hours - Depending on humidity, application, and temperature  
**FLEXIBILITY:** Pass  
**FREEZE THAW STABILITY:** Pass  
**FLASH POINT:** <73.4°F  
**SAG/SLUMP:** Pass  
**COVERAGE:** Approximately 30 sq. ft. per gallon  
**SHELF LIFE:** 1 year (unopened container)
Gecko Glue™ Gold is a versatile, easy-to-use, premium water-based duct liner adhesive. Gecko Glue™ Gold works effectively using a variety of application methods and dries faster than typical water-based adhesives to bond duct liner insulation with sheet metal.

Gecko Glue™ Gold can be sprayed and dripped on coil lines, roll-applied through roto-bonders, sprayed off line, and manually rolled or brushed on.

- Spray, drip, roto-bond or manually apply
- Water-based adhesive
- Fast tacking
- Solvent free
- Non-flammable in wet and dry states
- UL Classified
- Wipes clean with water
- Exceptional coverage
- LEED® Compliant, meets all applicable EPA Method 24 and CDPH standards
- Conforms to requirements of NFPA 90A and 90B

### CHEMICAL TYPE:
- Synthetic Latex

### COLOR:
- Black or White

### ODOR:
- Minimal

### VOC CONTENT:
- EPA Method 24
  - Pass - Very Low

### TVOC EMISSIONS:
- CDPH Standard Method v1.1
  - Pass

### DENSITY:
- 10.2 ± 0.2 lbs. - gallon

### SOLID CONTENTS:
- 65.0 ± 2%

### VISCOSITY:
- 10,000 cPs ± 2,000 cPs
- 20°F to 90°F
- 20°F to 90°F
- 8 minutes at 76°F

### APPLICATION TEMPERATURE:
- Depending on temperature, humidity, and recommended coverage

### STORAGE TEMPERATURE:
- Depending on application technique

### DRY TIME:
- 1 year (unopened container)

### COVERAGE:
- Approximately 400 sq. ft./gal

### SHELF LIFE:
- Available in 5 or 54 gallons

### KEEP OUT OF REACH OF CHILDREN
- Consult The SDS Sheet Before Using Product

### Ordering Information

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Quantity &amp; Weights</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>GECKOGLD5B</td>
<td>5 Gal - Black</td>
<td>1 - 5 Gal pail @ 45 lbs/pail</td>
<td></td>
</tr>
<tr>
<td>GECKOGLD54B</td>
<td>54 Gal - Black</td>
<td>1 - 54 Gal drum @ 494 lbs/drum</td>
<td></td>
</tr>
<tr>
<td>GECKOGLD275B</td>
<td>275 Gal - Black</td>
<td>1 - 275 Gal tote @ 2300 lbs/tote</td>
<td></td>
</tr>
<tr>
<td>GECKOGLD5W</td>
<td>5 Gal - White</td>
<td>1 - 5 Gal pail @ 45 lbs/pail</td>
<td></td>
</tr>
<tr>
<td>GECKOGLD54W</td>
<td>54 Gal - White</td>
<td>1 - 54 Gal drum @ 494 lbs/drum</td>
<td></td>
</tr>
<tr>
<td>GECKOGLD275W</td>
<td>275 Gal - White</td>
<td>1 - 275 Gal tote @ 2300 lbs/tote</td>
<td></td>
</tr>
</tbody>
</table>

- 1 tote = 5 drums
- Reduces machine down time and storage area
- Ideal for large insulation projects
- Less overall material cost & waste = More $avings!
- Less inventory, material handling, change over & down time = More production, Safety & labor $avings!
- Less drum disposal = More environmentally friendly!
- Protective Gaylord Bin makes material handling safe & easy.
- Gaylord Bin is reusable and ideal for storing / shipping products to jobsite.
- Compatible with all coil lines and spray systems
- Easily converts from drums to totes and back (no special fittings required)

Now Available!
- 1 tote = 5 drums
- Reduces machine down time and storage area
- Reduced cost vs 5 drums
- Ideal for large insulation projects
- Less overall material cost & waste = More $avings!
- Less inventory, material handling, change over & down time = More production, Safety & labor $avings!
- Less drum disposal = More environmentally friendly!
- Protective Gaylord Bin makes material handling safe & easy.
- Gaylord Bin is reusable and ideal for storing / shipping products to jobsite.
- Compatible with all coil lines and spray systems
- Easily converts from drums to totes and back (no special fittings required)
Gecko Glue™ Silver is a commercial grade, water-based duct liner adhesives specifically formulated for spray and roller coating applications.

- UL Classified
- Water-based adhesive
- Fast tacking
- Non-flammable in wet and dry states
- Moisture resistant
- Solvent free
- Spray, roll, or brush application
- Exceptional coverage
- LEED® Compliant, meets all applicable EPA Method 24 and CDPH standards

### Chemical Type:
- Synthetic Latex

### Color:
- Black or White

### Odor:
- Minimal

### VOC Content:
- Pass - Very Low

### TVOC Emissions:
- EPA Method 24
- Pass

### Density:
- 9.1 ± 0.2 lbs. - gallon
- 46.0 ± 1%

### Solids:
- 4,000 cPs ± 2,000 cPs

### Viscosity:
- 20°F to 90°F
- 20°F to 90°F

### Application Temperature:
- 11 minutes at 76°F
- Depending on temperature, humidity, and recommended coverage

### Storage Temperature:
- Depending on application technique

### Dry Time:
- Approximately 400 sq. ft./gal
- Available in 5, 54, or 275 gallons

### Coverage:
- 1 year (unopened container)
- Consult The SDS Sheet Before Using Product

### Shelf Life:
- KEEP OUT OF REACH OF CHILDREN

### Packaging:
- Now Available!
Gecko Glue™ Concentrate is Ductmate’s patented duct liner adhesive formula available as a 54 gallon mix. premium water-based duct liner adhesive. Gecko Glue can be mixed on demand by simply adding water to the ingredients and mixing with a custom made, highly efficient docking station system.

- Spray, roll, or brush applications
- High performance water-based adhesive
- Good wet and dry tack
- Enhanced shelf life
- High resistance to microbes
- Non-flammable in wet state
- Easy to ship and store
- On demand, quick and simple to mix
- Eliminate drum disposal cost - one drum and done
- Non-webbing when sprayed
- Environmentally friendly

**ORDERING INFORMATION**

GMMIXERASSY - Assembly includes all mechanical equipment needed for the mixing process*. Consists of:

- DOCKING STATION - (1) station
- GMDRUMASSY - (1) 55 gallon drum with vortex mixing blade
- GMSPANNERA - Spanner tool
- GMHOSEHOOKASSY - Brass water connector
- GMSCRAPER - (2) Stainless steel wiping blades

GECKOM54W - Mixes (1) 54 gallon drum of adhesive and contains: (6) tubes liquid concentrate and (2) bags of PowerPack

GECKOPIGMTBLK - (4) 8 oz. jars of black pigment (optional - if black color is desired)

GDDRUMASSY - Drum only with vortex mixing blade inside (if a second drum is desired to go with GMMIXERASSY)

*some items can be ordered separately as additional parts

**CHEMICAL TYPE:** Synthetic Latex

**COLOR:** Black or White

**ODOR:** Minimal

**VOC CONTENT:** Pass - Very Low

**TVOC EMISSIONS:** Pass

**DENSITY:** 8.3 ± 0.1 lbs. - gallon

**SOLID CONTENTS:** 14.5 ± 2%

**VISCOITY:** 2,000 cPs ± 1,000 cPs

**APPLICATION TEMPERATURE:** 20 °F to 90 °F

**STORAGE TEMPERATURE:** 20 °F to 90 °F

**DRY TIME:** 25 minutes at 76 °F

**COVERAGE:** Depending on temperature, humidity, and recommended coverage

**STORAGE TEMPERATURE:** Approximately 400 sq. ft./gal,

**DILUTION:** Depending on application technique

**SHELF LIFE:** 6 - 18 months

**MASTER PACK CONTENTS:** Depending on dilution date; contact manufacturer for details

2 boxes; each box contains:

- 3 - Tubes of liquid concentrate (4.5 gal/total)
- 1 - Bag of Power Pack (1/2 gal)

**KEEP OUT OF REACH OF CHILDREN** Consult The SDS Sheet Before Using Product
**LAG-IT™**

LAG-IT IS A FAST, COST EFFECTIVE MEANS FOR SEALING THE EDGES AND TEARS IN DUCT INSULATION

- Encapsulates fibers
- Repair liner tears
- Heavy-duty water-based formula
- Water and UV resistant
- Low odor
- Crack and peel resistant
- Tough and permanently flexible
- UL Listed/UL Classified

- High-strength and durability
- Sag resistant
- Non-flammable in wet state
- Exceptional coverage
- Will not discolor over time
- LEED Compliant - meets all applicable EPA Method 24 and CDPH standards

### PACKAGING & ORDERING INFORMATION

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
<th>WEIGHTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAGIT1B</td>
<td>LAGIT 1-GAL BLACK</td>
<td>(4) 1 GAL PAILS</td>
<td>45 LBS/CS</td>
</tr>
<tr>
<td>LAGIT5B</td>
<td>LAGIT 5-GAL BLACK</td>
<td>(1) 5 GAL PAIL</td>
<td>64 LBS/PAIL</td>
</tr>
<tr>
<td>LAGIT1W</td>
<td>LAGIT 1-GAL WHITE</td>
<td>(4) 1 GAL PAILS</td>
<td>45 LBS/CS</td>
</tr>
<tr>
<td>LAGIT5W</td>
<td>LAGIT 5-GAL WHITE</td>
<td>(1) 5 GAL PAIL</td>
<td>64 LBS/PAIL</td>
</tr>
</tbody>
</table>

**Super Liner Seal™**

SLS QUICKLY AND EFFICIENTLY SEALS THE SURFACE OF DUCT INSULATION, VIRTUALLY ELIMINATING THE PROBLEM OF AIRBORNE FIBERS

- Flame and moisture resistant
- Exceptional coverage
- Good dry time
- Durable finish
- LEED® Compliant - meets all applicable EPA Method 24 and CDPH standards
- Wipes clean with water
- Antimicrobial coating
- EPA registered biocide package
- Ideal for clean air applications like hospitals, schools, etc.

### ORDERING & PACKAGING INFORMATION

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
<th>WEIGHTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLS5W</td>
<td>S.L.S. 5-GAL WHITE</td>
<td>1-5 GAL PAIL</td>
<td>45 LBS/PAIL</td>
</tr>
<tr>
<td>SLS5B</td>
<td>S.L.S. 5-GAL BLACK</td>
<td>1-5 GAL PAIL</td>
<td>45 LBS/PAIL</td>
</tr>
<tr>
<td>SLS54W</td>
<td>S.L.S. 54 GAL WHITE</td>
<td>1-54 GAL DRUM</td>
<td>494 LBS/DRUM</td>
</tr>
<tr>
<td>SLS54B</td>
<td>S.L.S. 54-GAL BLACK</td>
<td>1-54 GAL DRUM</td>
<td>494 LBS/DRUM</td>
</tr>
</tbody>
</table>
**DESCRIPTION**

QuickStick HS is a nonflammable and high strength single application duct liner adhesive with fast dry time. With a strong hold, the QuickStick line of adhesive is ideal for all forms of HVAC insulations (fiberglass, polyester, and elastomeric and other substrates like plywood).

**BASIC USE**

Provide a high tack nonflammable duct liner adhesive for all forms of HVAC insulations with great coverage.

**SPECIAL CHARACTERISTICS**

- Nonflammable
- Quick Tack With Flexible Hold
- Repositionable and Low Odor
- VOC Free
- Less weight per tank than competitors adhesives

**APPLICATION**

1. Attach spray gun to hose and then hose to canister.
2. Be sure all surfaces are clean and free of grease, dirt, dust, etc.
3. Hold applicator perpendicular to substrate, 6-10 inches away.
4. Apply adhesive directly to duct wall and/or the open-cell duct liner insulation to be mated at 80-100% coverage. Spraying both surfaces will result in a stronger, more permanent bond.
5. Allow to dry until adhesive does not transfer to fingertips when touched before mating substrates.
6. Apply as much even pressure as practical to ensure bond.
7. Ductmate recommends using our spray gun with a 9501B Spray tip

**CANISTER SYSTEM USE**

**USE ONLY IN WELL VENTILATED AREA**

Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

When hose is connected, keep canister valve open and hose pressurized at all times. Do not disconnect the hose until ready to connect to new canister. Release pressure in hose before disconnecting from canister.

**STORAGE AND HANDLING**

Adhesive must be stored above 60°F, but below 120°F. In cold weather, store off floor in a heated area. Do not store in direct sun or at consistently high temperatures as container may burst. Keep away from heat, sparks and open flame. Keep container tightly closed. Keep only in the original container. If you choose to leave the hose and spray gun on the canister, leave the canister valve in the open position. Do not disconnect the hose/ gun from the canister. Close and lock the spray gun.

To change or disconnect canister: Turn canister valve to the off position, spray out remaining adhesive from the hose, disconnect the hose and spray gun from the canister. Reconnect the hose and spray gun to a new canister of adhesive and turn the canister valve to re-pressurize. Or if you are NOT connecting to a new canister, connect hose to canister of cleaner (see paint store for products) and spray liquid out until clear which will indicate the hose/gun is clean.

Available in 7L and 22L disposable tanks or custom orders of 108L and 216L in returnable tanks.

**TECHNICAL INFORMATION**

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>QUANTITY (LITERS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUICKSTICKHS7</td>
<td>7L Cylinder</td>
<td>1 EA @ 7L</td>
</tr>
<tr>
<td>QUICKSTICKHS22</td>
<td>22L Cylinder</td>
<td>1 EA @ 22L</td>
</tr>
<tr>
<td>QUICKSTICKHS108</td>
<td>108L Cylinder</td>
<td>1 EA @ 108L</td>
</tr>
<tr>
<td>QUICKSTICKHS216</td>
<td>216L Cylinder</td>
<td>1 EA @ 216L</td>
</tr>
</tbody>
</table>

**ACCESSORIES**

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>QSAG</td>
<td>Adjustable Spray Gun</td>
<td>1</td>
</tr>
<tr>
<td>QSHW*</td>
<td>8&quot;, 12&quot;, 18&quot; White Flexible Hose</td>
<td>1</td>
</tr>
</tbody>
</table>

Note: 7L and 22L: stocked and disposable/ recycled containers
180L and 216L: custom orders and returnable containers
* Add 8, 12, or 12 for desired hose length

**KEEP OUT OF REACH OF CHILDREN**

Consult The SDS Sheet Before Using Product
DESCRIPTION
Quick-Stick CA Aerosol Can is a quick tack, single application duct liner adhesive designed to bond porous substrates while maintaining a high level of tack. The aggressive nature of this high build pressure sensitive adhesive also makes it suitable for bonding foams, metals and wood.

BASIC USE
Provide a high tack Methylene Chloride free California SCAQMD 1168 Rule Compliant duct liner adhesive for all forms of HVAC insulations including fiberglass, polyester and elastomeric, with great coverage.

SPECIAL CHARACTERISTICS
- Quick Tack, Permanent Bond, Self-Contained, Disposable System
- Methylene Chloride Free
- California SCAQMD 1168 Rule Compliant
- Low VOC, No Ozone depleting substances
- HAPS Free (Hazardous Air Pollutants)

DIRECTIONS FOR USE:
1. Be sure all surfaces are clean and free of grease, dirt, dust, etc.
2. Hold applicator perpendicular to substrate, 6-10 inches away.
3. Apply adhesive to one or both surfaces to be mated at 80-100% coverage. Spraying both surfaces will result in a stronger, more permanent bond.
4. Allow to dry until adhesive does not transfer to fingertips when touched before mating substrates.
5. Apply as much even pressure as practical to ensure bond.

STORAGE AND HANDLING:
USE ONLY IN WELL VENTILATED AREA
Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Adhesive must be stored above 60°F, but below 120°F. In cold weather, store off floor in a heated area. Do not store in direct sun or at consistently high temperatures as container may burst. Keep away from heat, sparks and open flame. Keep container tightly closed. Keep only in the original container.

TECHNICAL INFORMATION
PROPELLANT: Methyl Acetate
FLAMMABILITY: Flammable (Only in Wet State)
CALIFORNIA STATUS: Compliant and LEED® Compliant
COLOR: Yellow to Clear
VOC CONTENT: 43.13 g/L
SPRAY PATTERN: Web
SOLIDS: 30-38%
DRY TIME: 2-4 minutes
TACK: Extremely Aggressive Wet Tack
Long, Permanent Dry Tack
SHELF LIFE: 12 Months
APPLICATION TEMPERATURE: 60-100°F
MAXIMUM STORAGE TEMPERATURE: 120°F
LEED® STATUS: Passes EPA Method 24 and CDPH

PACKAGING AND ORDERING INFORMATION

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>QTY/WEIGHTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUICKSTICKCAN13</td>
<td>13 oz. Can</td>
<td>(12) @ 15 lbs/case</td>
</tr>
</tbody>
</table>

KEEP OUT OF REACH OF CHILDREN
Consult The SDS Sheet Before Using Product
5511M™ Seam Sealer

5511M is a non-skinning, non-oxidizing, non-drying synthetic polymer-based, pumpable mastic/sealant specifically formulated for precise application to duct joints at the roll-forming line.

UL723 (ASTM E-84-80) Test Data:
- Flame Spread: 5
- Fuel Contribution: 0
- Smoke Density: 0

LEED® COMPLIANT, MEETS ALL APPLICABLE SCAQMD STANDARDS

TYPICAL PHYSICAL PROPERTIES AND TECHNICAL INFORMATION

<table>
<thead>
<tr>
<th>% SOLIDS:</th>
<th>&gt; 90%</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLOR:</td>
<td>Off white to grey</td>
</tr>
<tr>
<td>WEIGHT per GALLON:</td>
<td>12.7 lbs ± 0.3</td>
</tr>
<tr>
<td>SHELF LIFE:</td>
<td>Indefinite (Unopened Container)</td>
</tr>
<tr>
<td>SERVICE TEMPERATURE:</td>
<td>0 °F to 200 °F</td>
</tr>
<tr>
<td>EXTRUDABILITY:</td>
<td>4 s/mL (Approximately)</td>
</tr>
<tr>
<td>ASTM D2452</td>
<td></td>
</tr>
<tr>
<td>SLUMP:</td>
<td>0 - 0.1 inches</td>
</tr>
<tr>
<td>ASTM D2202</td>
<td></td>
</tr>
<tr>
<td>APPLICATION METHOD:</td>
<td>Hand or power pump equipment</td>
</tr>
</tbody>
</table>

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>PART #</th>
<th>PACKAGING</th>
<th>Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>5511 M-55 W</td>
<td>52 gal (196.84 liters)</td>
<td>584 lbs/drum</td>
</tr>
<tr>
<td>5511M5</td>
<td>5 gal (19 liters)</td>
<td>57 lbs/pail</td>
</tr>
</tbody>
</table>
Ductmate 440 is a non-skinning, non-drying synthetic polymer based sealing tape, capable of withstanding joint movement without cracking.

Ductmate 440 is also available in 2” x 2” and 3” x 2” patches. Perfect for covering the critical points in the corner of a 4 bolt connection. Optional corner patch can be used on “ALL” 8 corners in conjunction with continuous piece in lieu of standard gasketing method.

EPA-registered biocide package that prevents the growth of mold, mildew, and fungus.

**PERFORMANCE PROPERTIES:**

<table>
<thead>
<tr>
<th>% SOLIDS ASTM C771-74:</th>
<th>&gt;99%</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLOR:</td>
<td>Tan</td>
</tr>
<tr>
<td>DENSITY (lbs./gallon):</td>
<td>1.62 - 1.74</td>
</tr>
<tr>
<td>SHORE 00 HARDNESS:</td>
<td>45 - 55</td>
</tr>
<tr>
<td>00 Durometer Creep Time 2 seconds:</td>
<td>0”</td>
</tr>
<tr>
<td>SLUMP RESISTANCE: Low Temperature (-0.4°F)</td>
<td>Pass</td>
</tr>
<tr>
<td>Sag Resistance (in.):</td>
<td>6.5 psi</td>
</tr>
<tr>
<td>FLEXIBILITY: Mandrel Bend Test Low-Temperature ASTM C765:</td>
<td>Pass</td>
</tr>
<tr>
<td>WATER RESISTANCE:</td>
<td>Hydrophobic</td>
</tr>
<tr>
<td>ELONGATION %: Modified ASTM D412:</td>
<td>≥ 900%</td>
</tr>
<tr>
<td>ELONGATION AFTER AGING: Modified ASTM D412:</td>
<td>Δ &lt; 15%</td>
</tr>
<tr>
<td>TENSILE STRENGTH Modified ASTM D412:</td>
<td>≥ 6.5 psi</td>
</tr>
<tr>
<td>TENSILE STRENGTH AFTER AGING: Modified ASTM D412:</td>
<td>Δ &lt; 15%</td>
</tr>
<tr>
<td>SHEAR ADHESION (lbs):</td>
<td>&gt; 5.5 (cohesive failure)</td>
</tr>
<tr>
<td>TACK STRENGTH:</td>
<td>&lt; 1”</td>
</tr>
<tr>
<td>PEEL ADHESION:</td>
<td>≥ 2.0 PLI on galvanized steel</td>
</tr>
<tr>
<td>SERVICE TEMPERATURE:</td>
<td>0°F to 190°F</td>
</tr>
<tr>
<td>APPLICATION TEMPERATURE:</td>
<td>Above 40°F</td>
</tr>
<tr>
<td>DIMENSIONAL TOLERANCES:</td>
<td>Tape Width 5/8” ±1/32” Type II, Class B</td>
</tr>
<tr>
<td>FEDERAL SPECIFICATIONS:</td>
<td>TT-C-1796A, (Supersedes MILC-18909B &amp; 18969B)</td>
</tr>
<tr>
<td>U.S.D.A ACCEPTABILITY:</td>
<td>Product chemically acceptable to the U.S. Department of Agriculture for use in meat and poultry processing areas under Federal inspection. Meets requirements</td>
</tr>
</tbody>
</table>

**F.D.A REQUIREMENTS 21CFR175.105:**

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>PART #</th>
<th>PACKAGING</th>
</tr>
</thead>
<tbody>
<tr>
<td>440 3/16 X 5/8</td>
<td>(20) 25 ft/rolls</td>
</tr>
<tr>
<td></td>
<td>500 ft/case @ 45 lbs/case</td>
</tr>
<tr>
<td>440 3/16 X 1</td>
<td>(16) 25 ft/rolls</td>
</tr>
<tr>
<td>(used w/ DM45)</td>
<td>400 ft/case @ 53 lbs/case</td>
</tr>
<tr>
<td>440 3X2X1/8</td>
<td>512 Patches @ 22 lbs/case</td>
</tr>
<tr>
<td>440 2X2X3/16</td>
<td>252 Patches @ 17 lbs/case</td>
</tr>
</tbody>
</table>

**STICKY TAPE GASKET**

Part Number: STICKY TAPE
- Butyl Gasket
- 3/16” x 5/8” x 25’ rolls
- Packaged: 500 LF/carton @ 40 lbs.
- EPA-registered biocide package that prevents the growth of mold, mildew, and fungus.

**NEOPRENE GASKET**

Neoprene Gasket Tape is a synthetic closed cell, rubber-based sealing tape. Excellent for connecting ductwork which must be taken apart periodically for cleaning purposes, or for fire damper breakaway installations.

**PERFORMANCE PROPERTIES:**

| Color: | Black |
| Density: | 5 - 6 (p.c.f.) |
| Water absorption by wt. (max): | 5% |
| Compression deflection (p.s.i.): | 2-5 |
| Temp range: | 0°F to 190°F |
| UL 94 HF-1-Passes: | |

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>PART #</th>
<th>PACKAGING</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEO 5/16 X 3/4</td>
<td>(15) 50 ft/rolls</td>
</tr>
<tr>
<td>(RECOMMENDED FOR SPIRALMATE &amp; ECONOFLANGE ROUND &amp; OVAL)</td>
<td>750 ft/case</td>
</tr>
<tr>
<td></td>
<td>15 lbs/case</td>
</tr>
<tr>
<td>NEO 5/16 X 1</td>
<td>(20) 50 ft/rolls</td>
</tr>
<tr>
<td>(Used with DM45)</td>
<td>1000 ft/case</td>
</tr>
<tr>
<td></td>
<td>23 lbs/case</td>
</tr>
<tr>
<td>VM GASKET-L</td>
<td>(19) 50 ft rolls</td>
</tr>
<tr>
<td>5/16 X 1 1/4</td>
<td>950 ft/case</td>
</tr>
<tr>
<td></td>
<td>21 lbs/case</td>
</tr>
</tbody>
</table>
PolyArmor duct liner is engineered from strong and safe polyester to provide industry leading R-values with excellent noise reduction values and superior indoor air quality.

### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Item</th>
<th>Test Method</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal resistance</td>
<td>ASTM C518, 75 F</td>
<td>R-4.2, R-6, R-8</td>
</tr>
<tr>
<td>Surface burning</td>
<td>ASTM E84</td>
<td>R-12</td>
</tr>
<tr>
<td>characteristics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flame spread index</td>
<td></td>
<td>&lt;25</td>
</tr>
<tr>
<td>Smoke developed</td>
<td></td>
<td>&lt;50</td>
</tr>
<tr>
<td>Density, lb/ft³</td>
<td>ASTM D 1667</td>
<td>1.6</td>
</tr>
<tr>
<td>Corrosiveness</td>
<td>ASTM C665</td>
<td>Pass</td>
</tr>
<tr>
<td>Fungi Resistance</td>
<td>ASTM C1338</td>
<td>Pass</td>
</tr>
<tr>
<td>Mold Growth</td>
<td>ASTM G-21/UL 181</td>
<td>Meets Requirements</td>
</tr>
<tr>
<td>Odor</td>
<td>ASTM C1304</td>
<td>Pass</td>
</tr>
<tr>
<td>Moisture vapor absorption, %</td>
<td>ASTM C1104</td>
<td>0.24</td>
</tr>
<tr>
<td>Temperature Resistance</td>
<td>ASTM C411</td>
<td>Up to 250°F</td>
</tr>
<tr>
<td>Upper Limit</td>
<td></td>
<td>Rating 4,000 fpm</td>
</tr>
<tr>
<td>Erosion Resistance</td>
<td>ASTM C 1071</td>
<td></td>
</tr>
<tr>
<td>(tested to maximum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>throughput of 10,000 fpm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smoke density and</td>
<td>ASTM E662/ ASTM E600</td>
<td></td>
</tr>
<tr>
<td>toxicity</td>
<td></td>
<td>2.5 (0.54)</td>
</tr>
<tr>
<td>Density, optical Ds at</td>
<td>ASTM E662 flaming</td>
<td></td>
</tr>
<tr>
<td>4 minutes</td>
<td>(non-flaming)</td>
<td></td>
</tr>
<tr>
<td>Toxicity, ppm</td>
<td>ASTM E800</td>
<td></td>
</tr>
<tr>
<td>CO</td>
<td></td>
<td>21</td>
</tr>
<tr>
<td>HBr, HCl, HCN, HF, NOx,</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>So₂</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Volatile Organic Compound (VOC), ppm</td>
<td>ASTM D5116 (CA1350)</td>
<td>0</td>
</tr>
<tr>
<td>Greenguard®</td>
<td></td>
<td>Compliant, CS</td>
</tr>
</tbody>
</table>

### STANDARd SIES

<table>
<thead>
<tr>
<th>Width</th>
<th>R-4.2 (1&quot; x 100')</th>
<th>R-6 (1½&quot; x 50')</th>
<th>R-8 (2&quot; x 50')</th>
<th>R-12* (3&quot; x 50')</th>
</tr>
</thead>
<tbody>
<tr>
<td>47.5&quot;</td>
<td>PA475F1W100</td>
<td>PA475F15W50</td>
<td>PA475F2W50</td>
<td>PA475F3W50</td>
</tr>
<tr>
<td>48&quot;</td>
<td>PA48F1W100</td>
<td>PA48F15W50</td>
<td>PA48F2W50</td>
<td>PA48F3W50</td>
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<tr>
<td>56.25&quot;</td>
<td>PA5625F1W100</td>
<td>PA5625F15W50</td>
<td>PA5625F2W50</td>
<td>PA5625F3W50</td>
</tr>
<tr>
<td>59&quot;</td>
<td>PA59F1W100</td>
<td>PA59F15W50</td>
<td>PA59F2W50</td>
<td>PA59F3W50</td>
</tr>
<tr>
<td>60&quot;</td>
<td>PA60F1W100</td>
<td>PA60F15W50</td>
<td>PA60F2W50</td>
<td>PA60F3W50</td>
</tr>
</tbody>
</table>

* Please contact us for more information and availability of our 3" PolyArmor
Duct Covers

- Heavy-Duty grade for superior performance
- Standard grade for light applications
- High-tack and low-tack adhesive coating
- Leaves no sticky residue on ductwork
- Elongation up to 600%
- Excellent strength with convenient pliability

ProGuard protective film combines the latest in adhesive and plastic technology to effectively and economically protect ductwork from contamination.

ProGuard Heavy-Duty grade uses dual-film polyethylene for high strength while reducing material weight. The result is an extremely puncture-resistant light-weight film, providing greater protection for ductwork and less plastic film into the waste stream. ProGuard Heavy-Duty grade’s tacky non-residue adhesive grabs hold of metal edges, reducing overlap waste.

Technical Information

Colors: Blue and Clear
Adhesion: Adheres to Galvanized, Stainless Steel, Galvannealed, Aluminum, PVC Coated, Aluminized, and Black Iron.
Type: Polyethylene
Shelf Life: For best results use within 1 year of purchase
Elongation: Heavy Duty Grade: 600%  
                     Standard Grade: 325% MD
Break Strength: Heavy Duty Grade: 13.1 lbs/in (5.9 kg/mm)  
                    Standard Grade: 12.6 lbs/in (5.7 kg/mm)
Indoor/Outdoor: Stands up to the rain, snow, and sun
UV Resistance: Good
Adhesive: Acrylic. Does not leave sticky residue on ductwork after removal
VOC Content: 0 g/L

<table>
<thead>
<tr>
<th>Item #</th>
<th>Grade</th>
<th>Dimension</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color - Blue</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PG24B</td>
<td>Standard</td>
<td>24” x 200’ x 2.5 Mil</td>
<td>6 rolls/box</td>
</tr>
<tr>
<td>PG24BR</td>
<td>Standard Reverse Wound</td>
<td>24” x 200’ x 2.5 Mil</td>
<td>6 rolls/box</td>
</tr>
<tr>
<td>PG24B-2M</td>
<td>Standard 2 Mil</td>
<td>24” x 200’ x 2 Mil</td>
<td>6 rolls/box</td>
</tr>
<tr>
<td>PG36B</td>
<td>Standard</td>
<td>36” x 200’ x 2.5 Mil</td>
<td>6 roll/box</td>
</tr>
<tr>
<td>PG36BR</td>
<td>Standard Reverse Wound</td>
<td>36” x 200’ x 2.5 Mil</td>
<td>6 roll/box</td>
</tr>
<tr>
<td>PG36B-2M</td>
<td>Standard 2 Mil</td>
<td>36” x 200’ x 2 Mil</td>
<td>6 roll/box</td>
</tr>
<tr>
<td>PG48B</td>
<td>Standard</td>
<td>48” x 200’ x 2.5 Mil</td>
<td>6 roll/box</td>
</tr>
<tr>
<td>PG48B-2M</td>
<td>Standard 2 Mil</td>
<td>48” x 200’ x 2 Mil</td>
<td>6 roll/box</td>
</tr>
<tr>
<td>PG60B-2M</td>
<td>Standard 2 Mil</td>
<td>60” x 200’ x 2 Mil</td>
<td>Special Order - Not Stocked</td>
</tr>
</tbody>
</table>

| Color - Clear          |                 |                     |                   |
| PG24    | Heavy Duty      | 24” x 200’ x 3.2 Mil | 2 rolls/box       |
| PG24-2M | Standard 2 Mil  | 24” x 200’ x 2 Mil  | 6 rolls/box       |
| PG24K   | Heavy Duty      | 24” x 1000’ x 2.5 Mil | 1 roll/box       |
| PG24C   | Standard        | 24” x 200’ x 2.5 Mil | 6 rolls/box       |
| PG36    | Heavy Duty      | 36” x 200’ x 3.2 Mil | 1 roll/box       |
| PG36-2M | Standard 2 Mil  | 36” x 200’ x 2 Mil  | 6 roll/box       |
| PG36K   | Heavy Duty      | 36” x 1000’ x 2.5 Mil | Special Order - Not Stocked |
| PG36C   | Standard        | 36” x 200’ x 2.5 Mil | 6 roll/box       |
| PG48    | Heavy Duty      | 48” x 200’ x 3.2 Mil | 1 roll/box       |
| PG48C   | Standard        | 48” x 200’ x 2.5 Mil | 6 roll/box       |

Don’t forget a Duct Guard Hand Saver

Part # DGHS
WELD PINS

DESCRIPTION
Ductmate Weld Pins are used to permanently secure insulation to the inside of sheet metal ductwork. Ductmate Weld Pins are designed to work with all the standard resistance welding equipment.

RECOMMENDATIONS
All equipment should be well maintained and operated within the machine’s specifications. The first time Ductmate weld pins are used on a new machine, it is recommended that the user examine the first fifty welds for contact and strength. Adjustments may need to be made to the machine’s electrical current before a satisfactory weld can be achieved.

PACKAGING & ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Qty.</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>WP.5GA10C5</td>
<td>1/2” Weld Pin</td>
<td>5,000</td>
<td>Box</td>
</tr>
<tr>
<td>WP.5GA10P5</td>
<td>1/2” Weld Pin</td>
<td>5,000</td>
<td>5 Gal. Pail</td>
</tr>
<tr>
<td>WP.75GA10C5</td>
<td>3/4” Weld Pin</td>
<td>5,000</td>
<td>Box</td>
</tr>
<tr>
<td>WP.75GA10P5</td>
<td>3/4” Weld Pin</td>
<td>5,000</td>
<td>5 Gal. Pail</td>
</tr>
<tr>
<td>WP1GA10C5</td>
<td>1” Weld Pin</td>
<td>5,000</td>
<td>Box</td>
</tr>
<tr>
<td>WP1GA10P5</td>
<td>1” Weld Pin</td>
<td>5,000</td>
<td>5 Gal. Pail</td>
</tr>
<tr>
<td>WP1.125GA10C3</td>
<td>1 1/8” Weld Pin</td>
<td>3,000</td>
<td>Box</td>
</tr>
<tr>
<td>WP1.125GA10P3</td>
<td>1 1/8” Weld Pin</td>
<td>3,000</td>
<td>5 Gal. Pail</td>
</tr>
<tr>
<td>WP1.5GA10C3</td>
<td>1 1/2” Weld Pin</td>
<td>3,000</td>
<td>Box</td>
</tr>
<tr>
<td>WP1.5GA10P3</td>
<td>1 1/2” Weld Pin</td>
<td>3,000</td>
<td>5 Gal. Pail</td>
</tr>
<tr>
<td>WP2GA10C3</td>
<td>2” Weld Pin</td>
<td>3,000</td>
<td>Box</td>
</tr>
<tr>
<td>WP2GA10P3</td>
<td>2” Weld Pin</td>
<td>3,000</td>
<td>5 Gal. Pail</td>
</tr>
</tbody>
</table>

Press On Hanger

DESCRIPTION
Ductmate’s Press On Hanger have a unique Easy-Peel adhesive backing design so that there isn’t any fumbling with the release paper. Every Press On Hanger is neatly packed for quick access and they take up about a third less storage space than loose packed hangers. Prevent injuries and speed up your operation with Ductmate Press On Hangers.

FEATURES
- Fasteners and self-locking washers are manufactured from low carbon galvanized steel.
- All spindles are 12 gauge. Other spindle lengths, gauges and materials are available upon request.
- Washers measure 1 1/4” X 1 1/8”
- Load per anchor should not exceed 3 lbs.
- Operating temperature should not exceed 150°F
- Application temperature should exceed 40°F
- Shelf life is estimated at 2 years if hangers are stored at room temperature and at 50% relative humidity.

PACKAGING & ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHS75GA2B</td>
<td>.75” Press On Hanger</td>
<td>2,000/Box</td>
</tr>
<tr>
<td>IHS1.25GA1B</td>
<td>1.25” Press On Hanger</td>
<td>1,000/Box</td>
</tr>
<tr>
<td>IHS1.625GA1B</td>
<td>1.625” Press On Hanger</td>
<td>1,000/Box</td>
</tr>
<tr>
<td>IHS2GA1B</td>
<td>2” Press On Hanger</td>
<td>1,000/Box</td>
</tr>
<tr>
<td>IHS2.5GA1B</td>
<td>2.5” Press On Hanger</td>
<td>1,000/Box</td>
</tr>
<tr>
<td>IHS3.5GA1B</td>
<td>3.5” Press On Hanger</td>
<td>1,000/Box</td>
</tr>
<tr>
<td>IHS125GA</td>
<td>1.25” x 1.125” Washer</td>
<td>1,000/Box</td>
</tr>
</tbody>
</table>
**MOISTURE DRAINS**

**INSTALLATION**

1. Drill a 1 1/16” hole in duct
2. Insert threaded drain through drilled hole from inside of the duct
3. On the outside of the duct, insert the funnel on the threaded drain
4. Screw the nut on the threaded drain until the duct wall is drawn into a funnel shape.
5. Use drain cap when needed.

**DIMENSIONS**

<table>
<thead>
<tr>
<th>MOISTURE DRAIN</th>
<th>DIAMETER OF MPT PIPE</th>
<th>DIA. OF HOLE IN DUCTWALL</th>
<th>DIAMETER OF FUNNEL</th>
<th>TOTAL HEIGHT WITHOUT CAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4”</td>
<td>3/4”</td>
<td>1-1/16” (27 MM)</td>
<td>3-1/2” (86 MM)</td>
<td>1-1/2” (40 MM)</td>
</tr>
</tbody>
</table>

**SHIPPING INFORMATION**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>MOISTURE DRAIN</th>
<th>PACKING UNIT</th>
<th>UNIT WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>MD75GA</td>
<td>¾” DRAIN FITTINGS</td>
<td>1 PIECE</td>
<td>8.8 Oz</td>
</tr>
<tr>
<td>MDC75GA</td>
<td>¾” DRAIN CAPS</td>
<td>1 PIECE</td>
<td>0.136 Oz</td>
</tr>
<tr>
<td>MD75GAK</td>
<td>¾” DRAIN FITTINGS AND CAPS</td>
<td>1 SET</td>
<td>10.24 Oz</td>
</tr>
</tbody>
</table>

- A fast, economical method of installing a leakproof drain in duct work and drain pans.
- The funnel is made of 12 gauge galvanized steel and won’t deform.
- Can be used on ductwork as light as 26 gauge, and no heavier than 20 gauge. Heavier duct gauges can’t be pulled into a funnel shape.

**Spec Sheets Available here**
**BANGIT™ DAMPER BLADE ASSEMBLIES & HARDWARE**

**Damper Assemblies**
- Air flow control assembly for round duct
- Quick, safe, and easy to install.
- Ideal for retrofitting duct systems
- Available in standard sizes from 3” – 24”
- Completely assembled ready to install.
- 24 ga. Damper blade, 2 - Heavy gauge spring loaded hardware, handle, wing nut & washer.
- 3” one Blank Stationary Hardware.
- Larger sizes and alloys available upon request

**Bang-it Hardware components**
- Heavy gauge galvanized steel hardware
- Precision tooth Easily pierces damper blade for quick assembly
- Spring loaded and stationary hardware available for 3” dampers.

### Description

<table>
<thead>
<tr>
<th>BANGIT DAMPER ASSEMBLY</th>
<th>Part No.</th>
<th>For Duct Size</th>
<th>QTY/CTN</th>
</tr>
</thead>
<tbody>
<tr>
<td>DBLR3GASDH</td>
<td>3”</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>DBLR4GASDH</td>
<td>4”</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>DBLR5GASDH</td>
<td>5”</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>DBLR6GASDH</td>
<td>6”</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>DBLR7GASDH</td>
<td>7”</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>DBLR8GASDH</td>
<td>8”</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>DBLR9GASDH</td>
<td>9”</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>DBLR10GASDH</td>
<td>10”</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>DBLR12GASDH</td>
<td>12”</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>DBLR14GASDH</td>
<td>14”</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>DBLR16GASDH</td>
<td>16”</td>
<td>15</td>
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<tr>
<td>DBLR18GASDH</td>
<td>18”</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>DBLR20GASDH</td>
<td>20”</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>DBLR22GASDH</td>
<td>22”</td>
<td>15</td>
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</tr>
<tr>
<td>DBLR24GASDH</td>
<td>24”</td>
<td>15</td>
<td></td>
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</table>

### Ordering Information

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
<th>Box Quantity</th>
<th>Box Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring Loaded Hardware</td>
<td>BDHBSC</td>
<td>1,250</td>
<td>77 Lbs.</td>
</tr>
<tr>
<td>Stationary Hardware</td>
<td>BDHBC</td>
<td>2,500</td>
<td>71 Lbs.</td>
</tr>
<tr>
<td>Flat Washer</td>
<td>BDHBW</td>
<td>10,000</td>
<td>43 Lbs.</td>
</tr>
<tr>
<td>Damper Blade Handle</td>
<td>BDHBH</td>
<td>2,500</td>
<td>82 Lbs.</td>
</tr>
<tr>
<td>Wing Nut</td>
<td>BDHBWN</td>
<td>3,000</td>
<td>54 Lbs.</td>
</tr>
</tbody>
</table>
HiTex
self-drilling fasteners

Part Number: WSDS31034
Box Quantity: 5000
- Recommended for all sheet metal applications
- High-hat hex head fits snugly into provided chuck
- Extra wide serrated washer reduces walking and stripping
- #10-16 screw
- Locking serrations
- #3 S-Type Point
- Complies with SAE-J78
- Chromate finish for corrosion resistance

**PROscrew**

<table>
<thead>
<tr>
<th>PART#</th>
<th>DESCRIPTION</th>
<th>PACKAGING</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDS21034C5K</td>
<td>10-16 3/4 #2 SELF DRILL SCREW</td>
<td>5,000/CARTON</td>
</tr>
<tr>
<td>SDS21034MB</td>
<td>10-16 3/4 #2 SELF DRILL SCREW</td>
<td>1,000/BOX</td>
</tr>
<tr>
<td>HEXBN38NY</td>
<td>3/8-16 X 1 NYLON HEX BOLT</td>
<td>SPECIAL ORDER</td>
</tr>
<tr>
<td>SDS2812M</td>
<td>8-18 1/2 #8 SELF DRILL SCREW</td>
<td>1,000/CASE</td>
</tr>
</tbody>
</table>

**REPEATER 4200**

Quickest HVAC Flange Fastener In The Industry!

**Features:**
- Lightweight - only 10.5 lbs
- Depth of drive adjustment
- 360° adjustable exhaust deflector
- Uses Smooth Wire-Collated Coil Nails
- Anti-Double fire mechanism
- Shock absorbing comfort rubber handle
- Belt clip

**Fastener Specifications:**
- Smooth Wire-Collated Coil Nails: ¾”
- Shank Diameter: .100”
- Shank Type: Helical/Gripshank

**Ordering Information:**
- Part Number: RPF3000
- Pins Per Roll: 200
- Rolls Per Case: 15
- Pins Per Case: 3,000
- Pin Length: ¾”

- Used with DM25,35,45 (Use Repeater 6100 for Spiralmate, Econonflange, and Ventmate)
- Operating pressures: 70-120 psi
### LABOR SAVING TOOLS

#### SAVE TIME & MONEY WITH TOOLS

**From Ductmate**

<table>
<thead>
<tr>
<th>Tool Name</th>
<th>Description</th>
<th>Part Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ductmate® System Alignment Grip Tool</strong></td>
<td>Reduce onsite installation time for rectangular duct. This tool uses the holes in the Ductmate corners to quickly align and compress mating ductwork allowing for fast and easy installation.</td>
<td>AG2000</td>
</tr>
<tr>
<td><strong>Ductmate System Cleater® 1 and 2 Tools</strong></td>
<td>The Cleater 1 is the ideal tool for attaching cleat to Ductmate Flange joints where spacing is not an issue. Use the Cleater 2 in conjunction with 5/8” deep-wall socket, extensions, and wrench (not included) to attach cleat in hard-to-reach places.</td>
<td>CLEATER1 / CLEATER2</td>
</tr>
<tr>
<td><strong>Ductmate System Versa-Cleater Tool</strong></td>
<td>Versatile tool to attach the Ductmate Versa-Cleat to Ductmate 35, 45, or TDC (and some TDF) profiles.</td>
<td>VERSA TOOL</td>
</tr>
<tr>
<td><strong>PolyArmor™ Tools</strong></td>
<td>High speed mechanical rotatory knives, available for purchase from Eastman®, for fast and effective cutting of all sizes of PolyArmor. The Cardinal 534 is Eastman’s lightweight model and provides lightweight maneuverability with plenty of cutting power. The Falcon 548 equips Eastman’s Cardinal model 548 with a special baseplate and handle to work with the Falcon guide track making straight cuts fast and easy. Both models are capable of cutting any thickness of PolyArmor.</td>
<td></td>
</tr>
<tr>
<td><strong>Spiralmate® System Alignment Grip Tool</strong></td>
<td>These customized vise grips work in conjunction with Ductmate’s Spiralmate system to quickly align mating duct sections, reducing time manpower and cost. This tool is a must for any large installer of round duct.</td>
<td>AG2001</td>
</tr>
<tr>
<td><strong>Spiralmate System Nut Runners</strong></td>
<td>Custom deep dish sockets designed to open and close the Spiralmate Closure Band. Available in two sizes 7/16” small and 9/16” large.</td>
<td>NUTRUNS / NUTRUNL</td>
</tr>
<tr>
<td><strong>Snapper Cleat Tool</strong></td>
<td>The Snapper1 is the ideal tool for attaching cleat to the WDCI Flange, or TDC/TDF Cleat to the flange profile.</td>
<td>Snapper1</td>
</tr>
<tr>
<td><strong>Cable Shark® System Tools</strong></td>
<td>The Cable Shark Cable Cutter (HFWRC) and the DeCable Shark (CLTOOL1020) were both engineered to making working with the Cable Shark Cable Hanging System easier. The cutter was specifically designed to cut WR10 and WR20 Cable Shark Cable without causing the cable ends to fray. The DeCable Shark easily releases the locking boar on CL10 and CL20 Cable Sharks allowing for adjustments to be made.</td>
<td>HFWRC / CLTOOL1020</td>
</tr>
</tbody>
</table>

* Please see detailed Cable Shark Installation Instructions before using Cable Shark or Cable Shark Tools.
The Bullet Band is a full line of self-sealing round duct connectors and fittings for the commercial HVAC industry. Consisting of a “Triple Lipped” EPDM gasket, the Bullet Band provides a clean, superior seal and enhanced performance, while reducing the overall installed cost.

**Performance Attributes:**
- 10” W.G. Positive
- SMACNA Leakage Class 3
- -20° F to 212° F
- ASTM E84 Flame and Smoke
- G90 Galvanized standard
- Sizes 3” - 24”
- Fittings available without gasket
Rectangular Connections
We started our business building better connectors, and we continue to excel in this area. The Ductmate '25'/ '35'/ '45', WDCI J&H, PROflex, and Slips and Drives are the gold standard in the industry when it comes to rectangular ducts requiring a rigid, near leak-proof connection. Time has proved just how durable these connectors are.

Round Connections
We started our business building better connectors, and we continue to excel in this area. Spiralmate, ECONOflange, Quick-Sleeve, and PROflex are easy to install, virtually air tight and very cost efficient. In most cases, no end prep of the ductwork is needed.

Sealants And Adhesives
This family of products includes duct sealants, adhesives, and gaskets. Formulated for indoor or outdoor use that function well in low, medium and high pressure systems. Each is designed to solve problems, such as mildew resistance, UL specs and flexibility.

HVAC Components
These products and tools are problem-solvers and simply make it easier to get the job done. They are used to reduce the noise the system generates, direct air flow, reduce leakage and remove excess moisture.