DUCTMATE

PRODUCT CATALOG

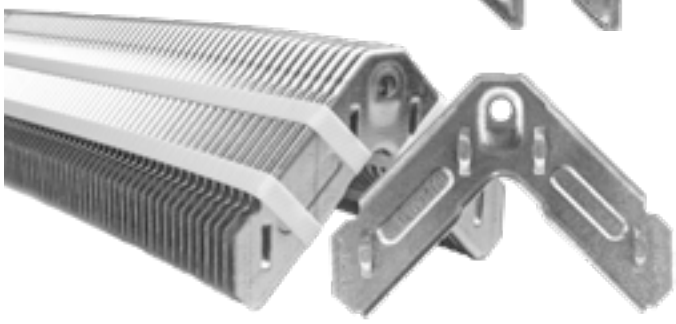
Issue 26



One Source.

Infinite Solutions.

New Innovative *Product Solutions*







RAPIDMATE SLIDE ON & FORMED ON FLANGE CORNERS

The Most Advanced Labor Saving Corner Lineup

The Rapidmate Corner system was developed to provide an alternative method of efficiently assembling, aligning, connecting, and securing commercial rectangular HVAC duct systems.

Page 13

Cable Shark

Hang With Confidence

New Accessories, Brackets, and Site Kits Now Available!

Page 30-33









Ductmate Water Based Adhesives & Sealants

Now UL Green Guard Gold Certified

Please see the following pages for more information.

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DUCTMATE® INDUSTRIES
HIGH-QUALITY VALUE-ADDED PRODUCTS

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Monongahela, PA 15063

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Lodi, CA 95240

Wagoner, OK
300 SE 15th Street
Wagoner, OK 74467

IMPORTANT INFORMATION
California Proposition 65

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 trigger labeling requirements or updated SDS.

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.

All Products Made From Galvanized Steel, PROseal, PROseal Spray, FIBERseal, EVERseal, EZseal, SOLVseal, Gecko Glue Products, 5511M, LagIt, and SLS

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.

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The Ductmate® Advantage



Made in America



Made with American Steel & Raw Materials



Union Made in Pennsylvania, California, & Oklahoma



Sold Through a Select Distribution Network



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.



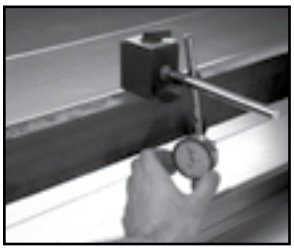
ENGINEERING ASSISTANCE

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.

Legend

Finished Product Normally Stocked	Made to Order Raw Material Normally Stocked	Made to Order Minimum Quantity & Additional Lead Times Apply	Not Available
✓	●	○	X

Material Availability Chart

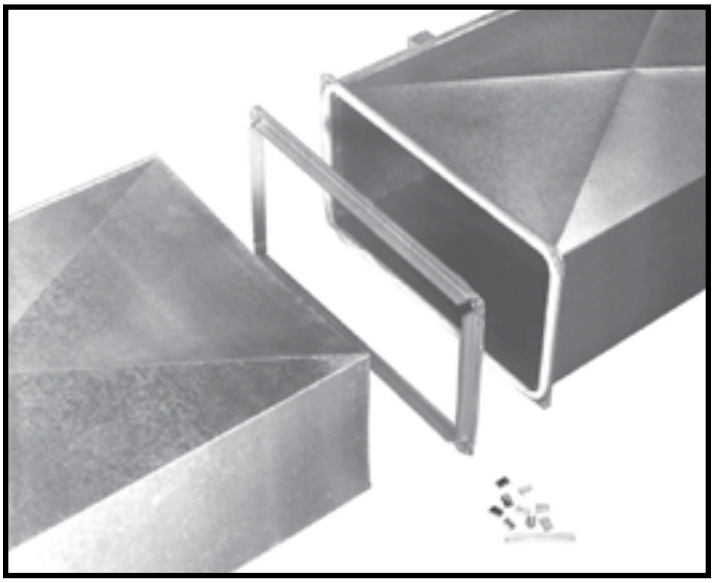
Page	Product Category	Galvanized	Galvannealed	Aluminized	Aluminum	304 Stainless	316 Stainless	PVC Coated	Black Iron
	Rectangular Flange Systems								
4	DUCTMATE 35 Flange	✓	✓	●	✓	✓	✓	○	○
4	DUCTMATE 35 Rapidmate Corners	✓	✓	✓	X	X	X	○	X
4	DUCTMATE 35 Corners	✓	✓	✓	✓	✓	✓	○	○
4	DUCTMATE 45 Flange	✓	○	○	○	○	✓	○	○
4	DUCTMATE 45 Corners	✓	○	○	○	○	✓	○	○
4	DUCTMATE Cleat	✓	●	✓	X	✓	✓	○	○
6	Universal Press-On Bullnose	✓	X	○	○	X	○	○	X
8	WDCI J Flange	✓	○	●	✓	✓	○	○	X
8	WDCI J Corners	✓	●	●	✓	✓	○	X	X
8	WDCI Cleat	✓	●	●	X	✓	○	○	X
	TDC / TDF Components								
13	Cornermatic Corners	✓	✓	●	✓	✓	●	○	○
13	Rapidmate Corners	✓	✓	✓	X	X	X	○	X
13	Manual Corners	✓	✓	●	●	●	●	○	○
13	TDC/TDF Cleat	✓	○	○	○	✓	○	○	X
13	Universal Press-On Bullnose	✓	X	○	○	X	○	○	X
	Flexible Connector Systems								
14	PROflex Commercial	✓	○	○	●	●	●	X	X
14	PROflex Residential	✓	X	X	X	X	X	X	X
	Standard Connectors								
11	Standing S	✓	○	○	✓	○	○	X	X
11	Hemmed S	✓	○	X	✓	●	○	X	X
11	Drive Slip	✓	○	X	✓	●	○	X	X
	Round & Oval Connector Systems								
16	SPIRALMATE	✓	○	○	X	○	○	○	X
18	Press-On Inner Rings	✓	○	○	○	○	○	○	X
19	ECONOflange	✓	○	○	○	○	○	○	X
20	ECONOflange (Oval)	✓	○	○	○	○	○	○	X
21	QUICKSLEEVES	✓	○	○	X	●	●	X	X
	Turning Vane Systems								
38	PROrail (Double vane)	✓	○	○	✓	✓	○	○	X
39	ECONOrail (Double vane)	✓	○	○	○	●	○	○	X
39	MONOrail (single vane)	✓	○	○	○	●	○	○	X
39	Double Wall Vane	✓	X	X	✓	✓	○	X	X
39	Acoustical Vane	✓	X	X	○	○	○	X	X
39	Single Wall Vane	✓	X	X	○	○	○	X	X
	Access Doors								
22	Sandwich (Round Duct)	✓	●	●	○	●	●	○	●
22	Sandwich (Rect. Duct)	✓	○	●	○	●	●	○	●
26	ULtimate (Grease Duct)	X	X	X	X	●	X	X	●
29	Framed (Tab-in)	✓	●	X	●	●	X	X	X
29	Framed (Press-On)	✓	X	X	●	●	X	X	X
	Hangers & Accessories								
33	Trapeze Hanger	✓	○	○	X	○	X	X	X
34	Air Brace	✓	X	X	X	✓	X	X	X
35	1" Strapping	✓	X	X	X	○	X	X	X
35	Strap Bracket (round Duct)	✓	X	X	X	X	○	X	X
37	Pre-Punched Angle	✓	X	X	X	X	X	X	X
37	Z - Bar Stiffener	✓	X	X	X	X	X	X	X

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

DUCTMATE®

THE DUCTMATE '25' '35' & '45'® SLIDE-ON CONNECTOR SYSTEMS



Revit Files Available
Visit Ductmate.com

Made With
U.S. Steel

DUCTMATE RECTANGULAR FLANGE SYSTEM
For Removable or Breakaway Duct Connections



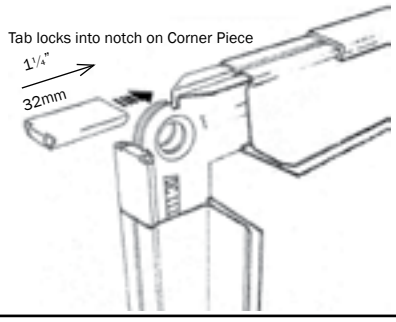


MONEY SAVING VALUE ADDED FEATURES

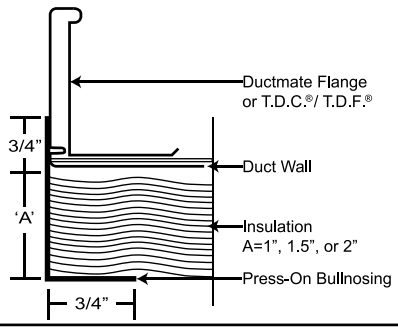
- AIR TIGHT
- NO ADDED SEALING
- CLEAN APPEARANCE
- USED AS AN ARCHITECTURAL FEATURE
- RIGOROUSLY TESTED
- STRONG EQUAL TO SMACNA F, J, AND K
- INCREASES STRUCTURAL INTEGRITY OF DUCT
- SUBSTANTIAL SAVINGS ON DUCT GAUGES & REINFORCEMENTS
- COST EFFECTIVE AT 1" STANDING-S OR HEAVIER WHEN SEALING IS REQUIRED & 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
- CUSTOM CUT TO LENGTH AVAILABLE OVER 50"

THE DUCTMATE System Components:

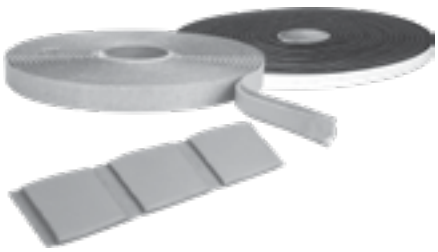
NO-BOLT CORNER
Common to '25'/'35'™ Systems



UNIVERSAL PRESS-ON BULLNOSING



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

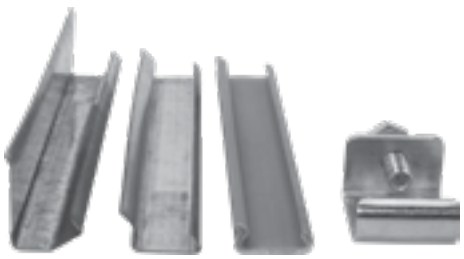


CLEATER TOOLS
Ideal tools for attaching any type of cleat to a Flange Joint where spacing is not a consideration. Use the Cleater 1 & 2 in conjunction with Ductmate Metal Cleat. Use the Versa-Cleater in conjunction with Ductmate Versa Cleat. Use the Snapper 1 Tool in conjunction with W.D.C.I. and T.D.C./T.D.F.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



Versa Tool | Snapper 1 (Red Handle) | Cleater 1 & 2 (Blue Handle)

CLEAT OPTIONS
Common to '25'/'35'/'45' Systems



VERSA Cleat | Metal Cleat | PVC Cleat | Bolt On Cleat

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

Used with all Ductmate Corner Connections including TDC/TDF/DM45/DM35/DM25



Spec Sheets
Available here

DUCTMATE®

'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, roll-formed 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
- PVC Cleat is used around perimeter of transverse joint.

* *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 1: Ductmate Rectangular Connection System Components:

Ductmate Flange	Compatible Corner(s)	Standard Bundle Sizes*	Cleat	Gasket**	Available Alloys*** (for flange, corners, & cleat)
• **D45 - 18 ga.** Ductmate '45' (1.07 LB per LF) Class K	• **DC45** - 11 ga.	• **(10)** 1,000 LF • **(50)** 500 LF *10' lengths available*	• **DV6C** VersaCleat™ (250 Pcs. @ 61.25 lbs/carton • **DV10CGA** 10' Metal VersaCleat™ 100' Bundle *Not available for DM25* • **D45CGA** Optional DM45™ Bolt-On Cleat (200 Pcs. @ 25.6 lbs/carton) *Only available in galvanized*	• **440 3/16" x 1" x 25'** DM45 Butyl Gasket (400' @ 50 lbs/carton) • **NEO 5/16" x 1" x 50'** DM45 1" Neoprene Gasket (1000' @ 23 lbs./carton) • **440 3"x2"x1/8"** Butyl Gasket Patches (512 patches/carton)	• **GA**=Galvanized • **GN**=Galvanneal • **AL**=Aluminum (*Except Cleat*) • **AZ**=Aluminized • **S4**=304 Stainless • **S6**=316 Stainless • **PVC**=PVC Coated • **BI**=Black Iron *(D25 = Galvanized Only)*
• **D35 - 20 ga.** Ductmate '35' (.7 LB per LF) Class J	• **D3A** - 16 ga. • **D3B** - 16 ga. • **DC35** - 12 ga. • **BD35** - 12 ga. • **BDC35** - 12 ga. • **RMDC35** - 12 ga. • **RMDC3A** - 16 ga. *D=DUCTMATE RM=RAPIDMATE*	• **(10)** 1,000 LF • **(15)** 1,500 LF • **(20)** 2,000 LF • **(30)** 3,000 LF All bundles composed of 20' lengths *10' lengths available*	• **D6C** 6" Metal Cleat (500 Pcs. @ 45 lbs/carton) • **D10C** 10' Metal Cleat (100' per bundle) • **6"PVC** 6" Solid PVC Cleat (500 Pcs. @ 18 lbs/Carton) • **10'PVC** 10' Solid PVC Cleat (100' per bundle) • **D45CGA** Optional DM45™ Bolt-On Cleat (200 Pcs. @ 25.6 lbs/carton) *Only available in galvanized* • **DV6C** VersaCleat™ (250 Pcs. @ 61.25 lbs/carton) *Not available for DM25*	• **440 3/16" x 5/8" x 25'** Butyl Gasket (500' @ 45 lbs/carton) • **440 3"x2"x1/8"** Butyl Gasket Patches (512 patches/carton) • **NEO 5/16" x 3/4" x 50'** Neoprene Gasket (750' @ 15 lbs./carton)	
• **D25 - 24 ga**. Ductmate '25' (.4 LB per LF) *Only available in galvanized* Class F	• **DJR** - 16 ga. • **DBJR** - 16 ga.				

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

See page 63 for Carriage Bolts and Nuts

Ductmate Flange Part No. Key

EXAMPLE: **D3530GA**

Profile Size*	Bundle Size	Alloy*
Example: D35 D35=Ductmate '35' Flange	*Example: 30* 30=3000'	*Example: GA* GA=Galvanized

* Please see Table 1 above for all available profile sizes and alloys

Ductmate Corners Part No. Key

EXAMPLE: **D3BGA**

Corner Type*	Alloy*
Example: D3B D3B=Ductmate No-Bolt Corner	*Example: GA* GA=Galvanized

* Please see Table 1 above for all available corner types and alloys

Universal Press-On Bullnosing Part No. Key

EXAMPLE: **BN1GA**

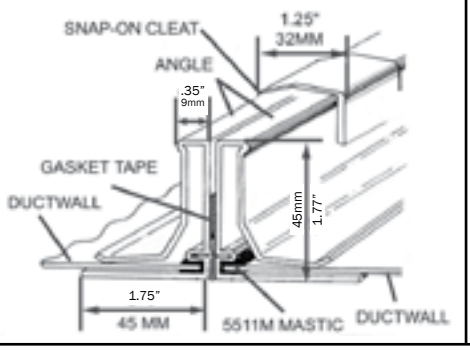
Bullnosing	Size	Alloy
Example: BN • BN = Bullnosing 10' Length 100' Bundles	*Example: 1* • 1 = 1" • 1.5 = 1 ½" • 2 = 2"	*Example: GA* • GA = Galvanized • S6 = 316 Stainless Steel

Ductmate Corners Ordering Information

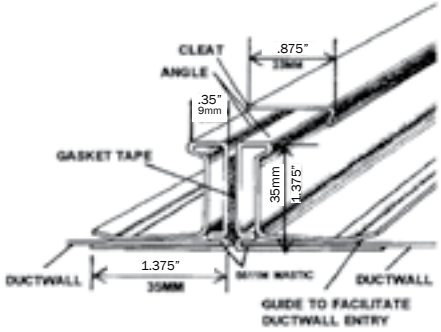
Corner Type*	Corresponding Flange	Gauge	Clip / Bolt	Pkg. Quantity	Pkg. Weight (lbs.)
DC45™	DM45™	11	Requires ½" Bolt (Not Included)	100 / Carton	33 lbs. / Carton
D3A	DM35®	16	Requires ⅜" Carriage Bolt (Not Included)‡	250 / Carton	40 lbs. / Carton
D3B	DM35®	16	Corner Clip Included w/Order ❖	250 / Carton	43 lbs. / Carton
DC35™	DM35®	12	Requires ⅜" Carriage Bolt (Not Included)‡	200 / Carton	43.8 lbs. / Carton
BDC35	DM35®	12	⅜" Carriage Bolt Included w/Order‡	200 / Carton	49.8 lbs. / Carton
RMDC3A	DM35®	16	Requires ⅜"-12x1 Screw (Not Included)	250 / Carton	36.5 lbs. / Carton
RMDC35	DM35®	12	Requires ⅜"-12x1 Screw (Not Included)	200 / Carton	44 lbs. / Carton
DJR™	DM25™	16	Corner Clip Included w/Order ❖	250 / Carton	34 lbs. / Carton
DBJR	DM25™	16	Nut & Bolt Included †	250 / Carton	30 lbs. / Carton

* 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
† Extra Carriage Bolts 125 per bag are also available: Part No. BOLTS DC25

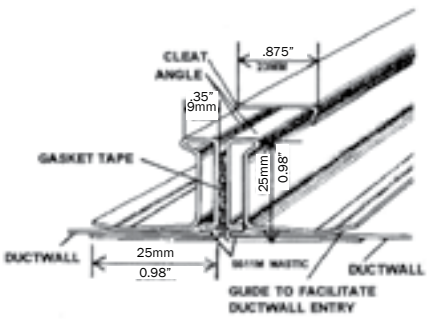
DUCTMATE '45' (SMACNA 'K' RATED)



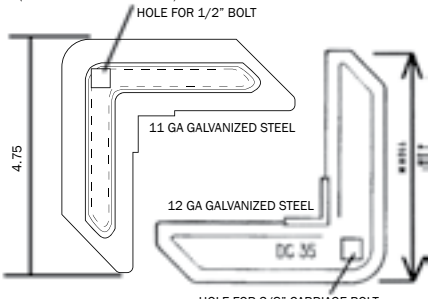
DUCTMATE '35' (SMACNA 'J' RATED)



DUCTMATE '25' (SMACNA 'F' RATED)

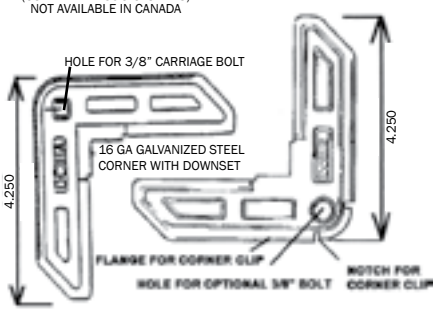


DC45™ CORNER PIECE
(USE WITH DM45 SYSTEMS)



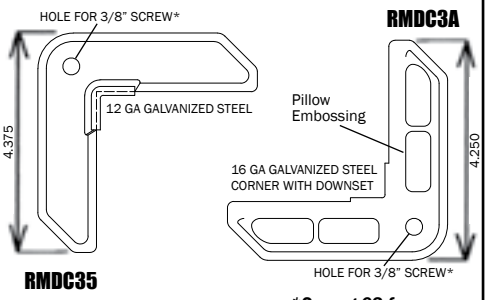
DC35™ CORNER PIECE *Bolt NOT Included* | BDC35 *Bolt Included*
(USE WITH DM35® SYSTEMS)

D3A™ CORNER PIECE
(USE WITH DM35® SYSTEMS)
NOT AVAILABLE IN CANADA



D3B™ CORNER PIECE
(USE WITH DM35® SYSTEMS)

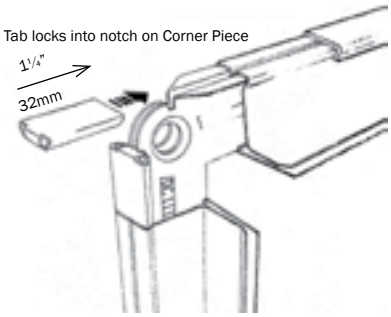
Rapidmate Corner - (Use with DM35 Flange System)



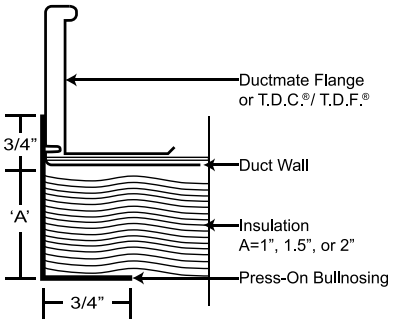
See pg 63 for screws, not included

NO-BOLT CORNER

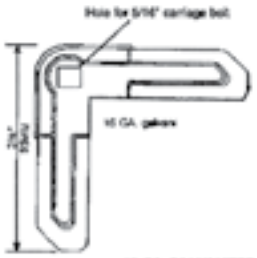
Common to '25'/'35'™ Systems



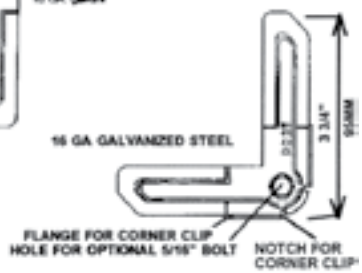
UNIVERSAL PRESS-ON BULLNOSING



BOLTED DBJR™ CORNER PIECE
(Use with DM25 System)



DJR CORNER PIECE
(Use with '25' System)



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.

[(40" + 30") ÷ 3] x 60 = 1400' 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)

Ductmate Gaskets

Ductmate 440™ Butyl & Neoprene *See pg. 53*



SAMPLE ORDER:

Quantity	Part Number	Description	Total Required	Weight
(1) Bundle	D3515GA	Ductmate '35'	1500 ft.	1035 lbs.
(2) Box	D3BGA	No-Bolt Corners	500 pcs.	86 lbs.
(1) Box	D6CGA	6" Metal Cleat	500 pcs.	45 lbs.
(2) Box	440 3/16" x 5/8"	440 Butyl Gasket	1000 lf.	90 lbs

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)

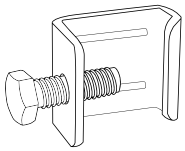


PVC Cleat



Metal Cleat

Bolt-On Cleat



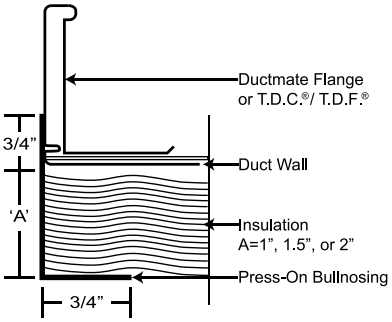
SNAPPER 1

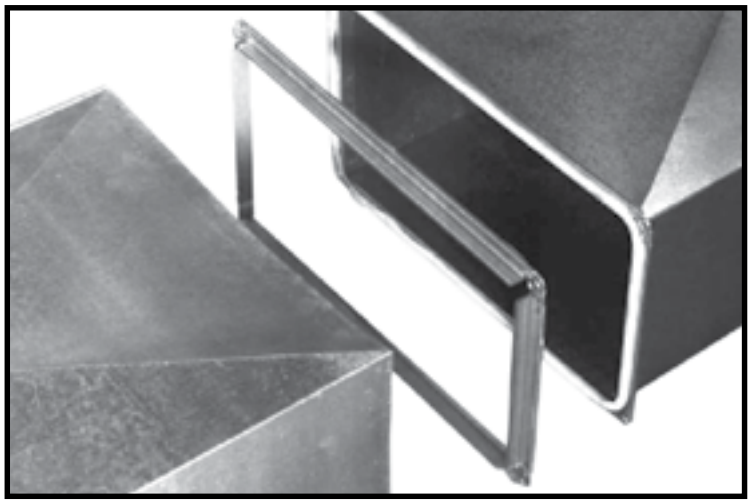
Ideal tool for attaching cleat to W.D.C.I. Flange Joint.



Snapper 1
(Red Handle)

Universal Press-On Bullnosing

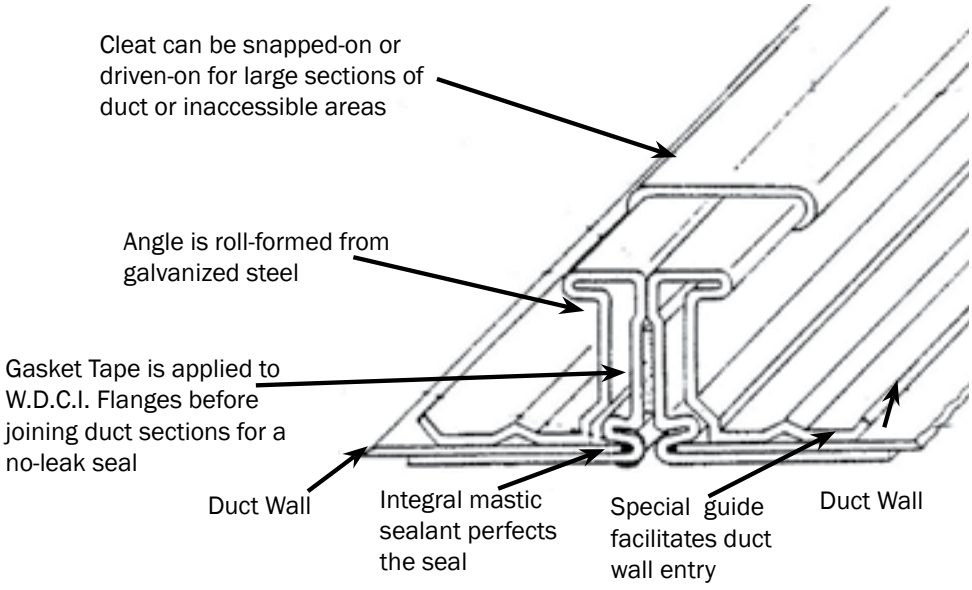




THE W.D.C.I. 'J' & 'H' SLIDE-ON CONNECTORS

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



W.D.C.I. 'J' & 'H' 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 W.D.C.I. 'J' & 'H' Systems have been tested in accordance with SMACNA procedures with no external sealant employed. The tests reveal: the W.D.C.I. 'J' Systems are comparable to the SMACNA Class J transverse joint and the W.D.C.I. 'H' Systems are comparable to the SMACNA Class H joint.

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

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'
g. Screw for W.D.C.I Rapidmate "J" Corner and for RMWJCGANS
   3/8 - 12 x 1
   3/8 - 12 x 1.5
   See pg 63 for screws

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:

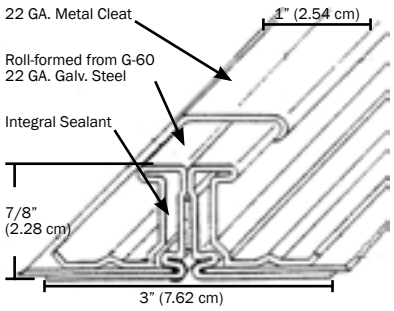
- Relatively high ignition resistance:
- Flash ignition 391°C/735°F
- Self ignition 454°C/850°F
- Low fuel contribution
- Lack of flaming drips
- High external heat necessary to maintain combustion
- UL94-Passes
- UL723 (ASTM E-84) Test Data:
  Flame Spread: 10
  Fuel Contribution: 0
  Smoke Density: 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

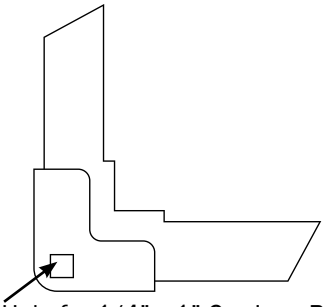
W.D.C.I. Metal Cleat is roll-formed of 22 GA. galvanized steel for application around perimeter of transverse joint. (See installation manual for correct usage).

W.D.C.I. 'J' & 'H' System Components

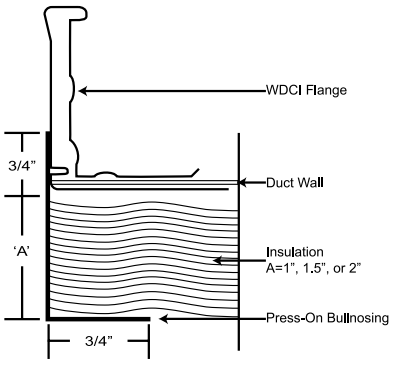
W.D.C.I. - LIGHT 'H' FLANGE



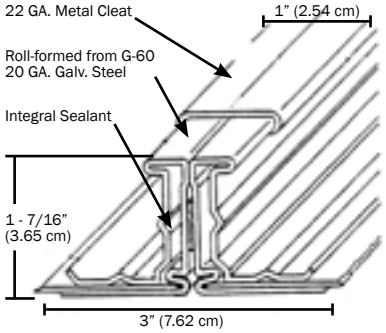
W.D.C.I. 'H' CORNER
11 GA. - GALVANIZED



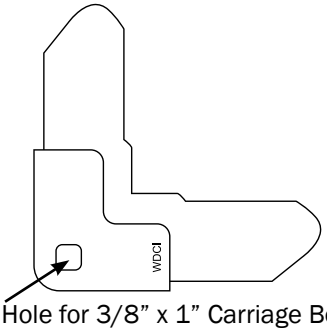
UNIVERSAL PRESS-ON BULLNOSING



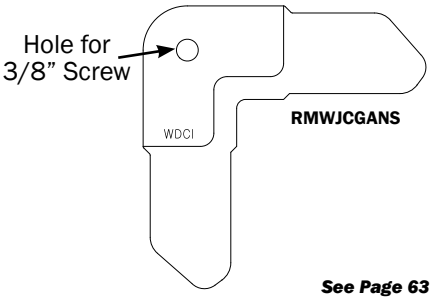
W.D.C.I. - HEAVY 'J' FLANGE



W.D.C.I. 'J' CORNER
11 GA. - GALVANIZED



W.D.C.I. RAPIDMATE 'J' CORNER
11 GA. - GALVANIZED



See Page 63 for Screw Info

How to Order A Complete W.D.C.I. Rectangular Duct Connection System:

Table 1: W.D.C.I. Rectangular Connection System Components:

W.D.C.I. Flange	Compatible Corner(s)	Standard Bundle Size*	Cleat	Gasket**	Available Alloys* (for flange, corners, & cleat)
• **WJ - 20 ga.** W.D.C.I. 'J' Large Profile (.73 lbs per LF) • **WH† - 22 ga.** W.D.C.I. 'H' Small Profile (.5 lbs per LF) *Only available in galvanized*	• **WJC** 11 GA corner 200 pcs./carton Nuts & bolts included (Galvanized only) (54.5 lbs/carton) • **RMWJCGANS** 11 GA corner 200 pcs./carton Screws not included **(See Pg. 63)** • **WHC** 11 GA corner 250 pcs./carton Nuts & bolts included (Galvanized only) (30 lbs/carton)	• **(10)** 1,000 LF • **(15)** 1,500 LF • **(50)** 500 LF Specialty alloys are available in exact quantities. (Bundles composed of 20' lengths. *10' lengths available*)	**Metal Cleat** • **W6C** 6" Metal Cleat (500 pcs. @ 50 lbs/ carton) • **W10C** 10' Metal Cleat (100' per bundle) **Solid PVC Cleat** • **6"WPVC** 6" Solid PVC Cleat (500 Pcs. @ 22 lbs/ carton) • **10'WPVC** 10' Solid PVC Cleat (100' per bundle)	• **440 3/16" x 5/8" x 25'** Butyl Gasket (500' @ 45lbs./carton) • **NEO 5/16" x 3/4" x 50'** Neoprene Gasket (750' @ 15lbs./carton)	• **GA**=Galvanized • **GN**=Galvanneal • **AL**=Aluminum* • **AZ**=Aluminized • **S4**=304 Stainless • **S6**=316 Stainless • **PVC**=PVC Coated** • **BI**=Black Iron † WH = Galvanized Only * Except Cleat ** Except Corners

* Consult distributor on minimum ordering requirements. Specialty alloys available in exact quantities
** 440 Butyl Gasket is recommended for standard H.V.A.C. systems
Extra WJ Bolts Model WCBGA- 3/8-16x1" 125 per bag
Extra WH Bolts Model 1/4x1 C BOLT 125 per bag

Universal Press-On Bullnosing Part No. Key

EXAMPLE: **BN1GA**

Bullnosing	Size	Alloy
Example: BN BN = Bullnosing 10' Length 100' Bundles	Example: 1 1 = 1" 1.5 = 1 ½" 2 = 2"	Example: GA GA = Galvanized S6 = 316 Stainless Steel

Estimating W.D.C.I. 'J' & 'H' System 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.
[(40" + 30") ÷ 3] x 60 = 1400' of Flange.
CORNERS: Approx. (1) corner for every (3') 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' per 2' of Flange = 1400 ÷ 2 = 700' (20 rolls @ 25' per roll or 500 lf per ctn)

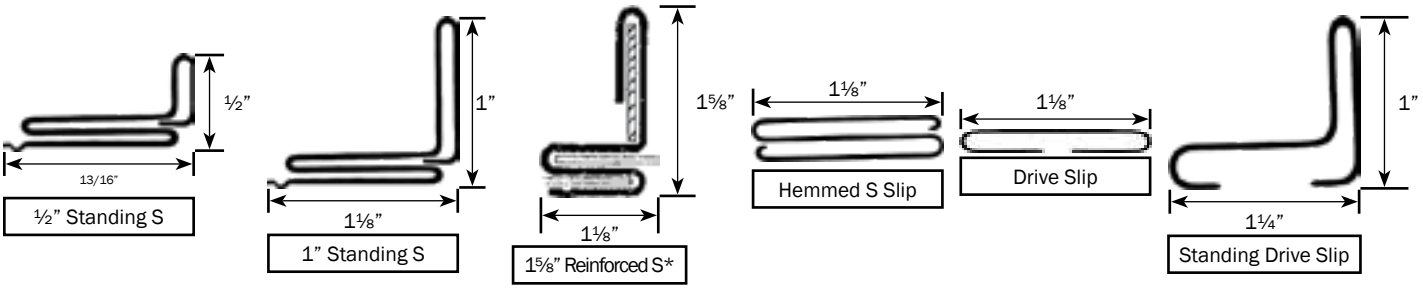
SAMPLE ORDER:

Quantity	Part No.	Description	Total Required	Weight
(1) Bundle	WJ15GA	W.D.C.I. 'J'	1500 ft.	1095 lbs.
(2) Box	WJCGA	Carriage Bolt Corners	400 pcs.	109 lbs.
(1) Box	W6CGA	6" Metal Cleat	500 pcs.	50 lbs.
(2) Box	440 3/16 x 5/8	440 Butyl Gasket	1000 lf.	90 lbs.

NOTE: COMPONENT QUANTITIES WILL VARY WITH SIZE OF DUCT.

Standing S, Slips, And Drives

Part Number and Ordering Information



** Reinforcing bar not included*

Slip & Drive System Part No. Key

Connector Type	Standing S Height	Alloy		Gauge
• SS = Standing S • HS = Hemmed S • DS = Drive Slip • SDS = Standing Drive Slip	• 1 = 1" • .5 = 1/2" • 1.625 = 15/8"	• GA = Galvanized • GN = Galvannealed • AZ = Aluminized • AL = Aluminum	• S4 = 304 Stainless • S6 = 316 Stainless • PVC = PVC Coated • BI = Black Iron	• 20 = 20 GA • 22 = 22 GA • 24 = 24 GA • 26 = 26 GA • 28 = 28 GA

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

Gauges	½" Standing S	1" Standing S	1⅝" Standing S	Hemmed S	Drive-Slip	Standing Drive Slip	Color Code
20 Ga.	N/A	0.78	0.79*	N/A	N/A	N/A	Yellow
22 Ga.	N/A	0.58	0.68*	N/A	N/A	0.46	Green
24 Ga.	0.41	0.55*	N/A	0.32*	0.19*	0.40	Orange
26 Ga.	0.35*	0.44	N/A	0.25*	0.15*	0.33	Blue
28 Ga.	N/A	N/A	N/A	0.23	0.12	N/A	Red

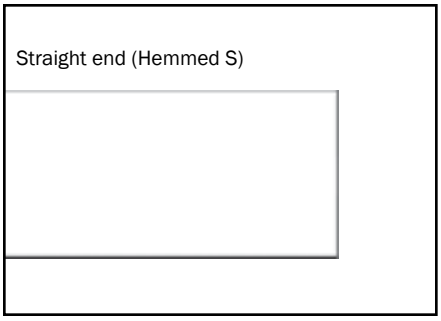
* Most popular gauges per connector
Note: N/A designates gauges not available

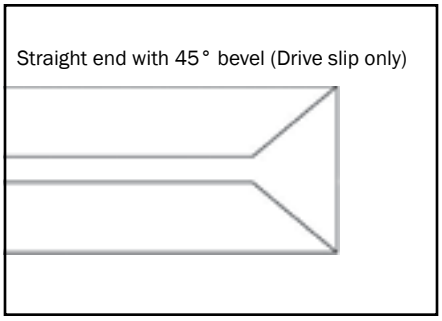
Cut to length Slips and Drives 24 and 26 Gauge

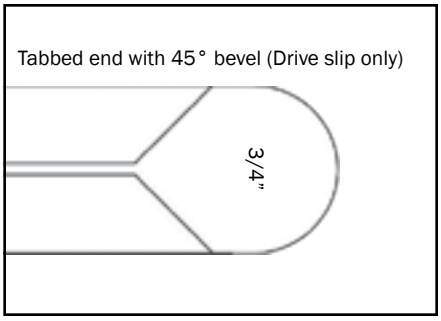
(100 Pieces Per Carton)

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)

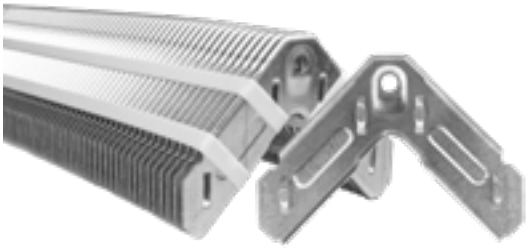






CORNERMATIC® AND RAPIDMATE® STRAP-PAK™ CORNERS





Strap-Pak Characteristics

Patented Strap-Pack magazines system is the most efficient means of loading Cornermatic and Rapidmate 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)

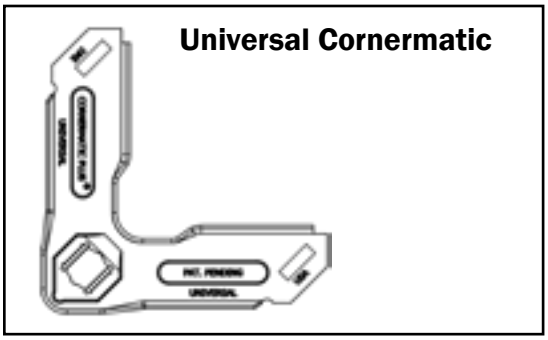
Cornermatic Ordering Information

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*



Strap Pak Cutter



Rapidmate®

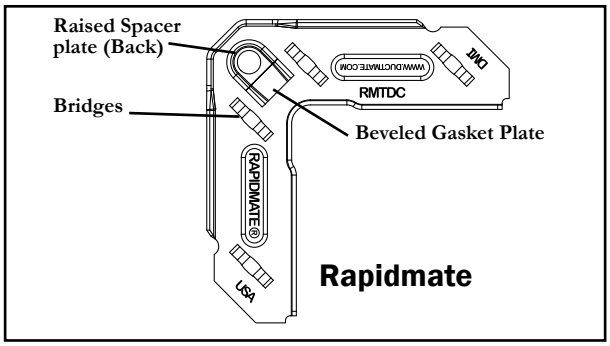
- Advanced bridge design for enhanced corner insertion
- Exclusive raised spacer plate with beveled design ensures proper gasket placement and compression
- TDC/TDF corners fit all Automatic machinery and manual insertion
- Patented Strap-Pak® Magazine reduces loading and machinery downtime
- For use with any 3/8" - 12, ASME B18.6.3 Type AB screws
- Available in specialty alloys

Rapidmate Ordering Information

RMTDC**STPK: TDC Strap-Pack Corners

RMTDF**STPK : TDF Strap-Pack Corners

*Replace ** with Alloy: GA, GN, AZ, PVC*



9/16"High Hat Screw
1" and 1½" Screws



5/16"High Hat Screw
1" and 1½" Screws

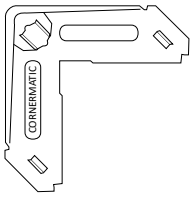


(See Pg. 63)

TDC® / TDF® Components

T.D.C. and T.D.F. CORNERMATIC* CORNER

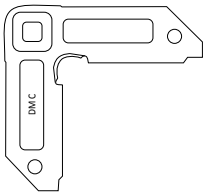
* Cornermatic is a trademark of Systemation, Inc.
Ductmate is in no way affiliated with Systemation, Inc.
patent # 9,377,213 and 9,545,695



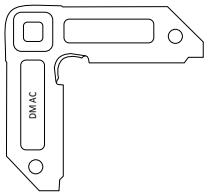
- 16 Gauge
- Stacked for use with automatic corner inserter machines
- Hole for 3/8" Carriage Bolt
- Available in a variety of metals
- Patent # 9,377,213 and 9,545,695
- Packaged: 250/carton @ 35 lbs.

Part Numbers:
CMCGA OR CMFGA

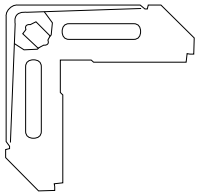
T.D.C. MANUAL INSERTION CORNERS



Part Number:
CGA



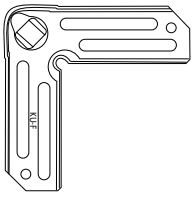
Part Number:
ACGA



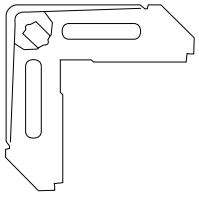
Cornermate® Corner
Part Number:
CMCGAMI

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

T.D.F. MANUAL INSERTION CORNERS



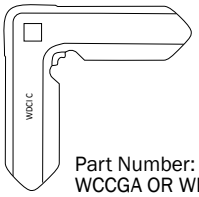
Part Number:
FGA



Cornermate® Corner
Part Number:
CMFGAMI

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

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



- 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.

Part Number:
WCCGA OR WFCGA

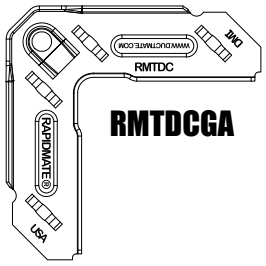
How To Order T.D.C. & T.D.F. Components Using Part Number Variations:

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

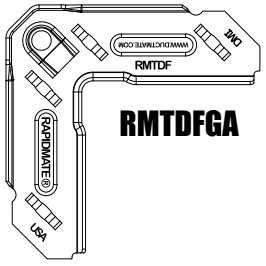
EXAMPLE: **CMFGN** *(Galvannealed Steel T.D.F. Corner)*

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).

RAPIDMATE TDC®/TDF® CORNER



RMTDCGA



RMTDFGA

- 16 ga. corner for T.D.C. and T.D.F.
- Bevelled Gasket Plate ensures proper gasket placement and compression
- For use with any 3/8-12 Type AB Screw
- Gasket Plate gasketing guide and proper compression
- See page 63 for available fasteners

VERSA CLEAT™

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	10' 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"TPVC



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



PACKAGING INFORMATION

	22 gauge Metal	PVC
6" Part Numbers	250 L.F. (500) pcs./carton @ 45 lbs	250 L.F. (500) pcs./carton @ 24 lbs
10' Part Numbers	100 L.F. (10) pcs./bundle @ 18 lbs	100 L.F. (10) pcs./bundle @ 12 lbs

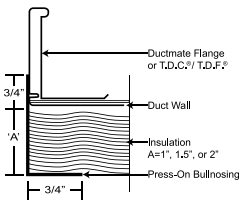
Use with the SNAPPER 1 Tool (Page 60)

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



ALL DUCTMATE GASKETS ON PAGE 57. SEE 3/8" FASTENERS ON PAGE 63

PROflex™

Flexible Duct Connector

Revit Files Available
Visit Ductmate.com

Spec Sheets
Available here



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



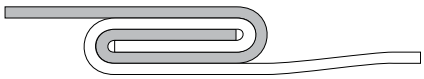
- AVAILABLE IN 500', 750', AND 1000' ROLLS
- AVAILABLE IN 5 METAL ALLOYS
- AVAILABLE IN SUPER DUTY VINYL, NEOPRENE, HYPALON, SILICONE, AND TEFLON
- REDUCES SCRAP WHICH WILL SAVE ON MATERIAL COSTS
- LESS CHANGEOVER THAN 100' ROLLS WHICH REDUCES FABRICATION AND LABOR TIME
- EASY TO LOAD COIL ON A SKID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



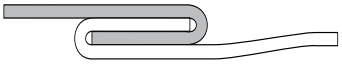
- 24 AND 28 GAUGE GALVANIZED STEEL MEETS ASTM-A-653-94-G60
- FABRICS MEET NFPA 701 REQUIREMENTS
- RESISTANT TO FUNGAL & MOLD GROWTH (ASTM G-21)
- ALL PROflex DUCT CONNECTORS ARE GUARANTEED AGAINST DEFECTIVE MATERIAL
- SHIPPED IN STANDARD 100 FOOT ROLLS PER CARTON
- SHIPPING WEIGHTS VARY WITH METAL AND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

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

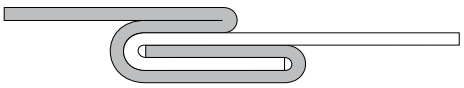
POWER LOCK



SINGLE FOLD



PROTECT LOCK



Metal
Fabric

PRO*flex*™ ORDERING INFORMATION

Standard 100 ft. per carton.

Metal is available in galvanized, galvannealed, 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: 24 Gauge

Fabric	Size metal x fabric x metal	Part No.
Vinyl Super Duty	All fabrics available in: 3"x3"x3" 4"x4"x4" 3"x6"x3"	PFC*VS**
Neoprene		PFC*N**
Hypalon		PFC*H**
Silicone		PFC*S**
Teflon		PFC*T**

Single-Fold: 24 Gauge

Fabric	Size metal x fabric x metal	Part No.
Vinyl Super Duty	All fabrics available in: 4½"x3"x4½" 3"x6"x3" 3"x3"x3"	PFCS*VS**
Neoprene		PFCS*N**
Hypalon		PFCS*H**
Silicone		PFCS*S**
Teflon		PFCS*T**

Residential: 28 Gauge

Fabric	Size metal x fabric x metal	Part No.
Vinyl	All fabrics available in: 1¾"x3"x1¾"	PFRO3VSGA
Neoprene		PFRO3NGA
Hypalon		PFRO3HGA
Silicone		PFRO3SGA

Only available in galvanized

Part Number Key

*	Size
3	3"x3"x3"
T3	4½"x3"x4½"
4	4"x4"x4"
46	4"x6"x4"
6	3"x6"x3"

**	Alloy
GA	Galvanized
GN	Galvannealed
AL	Aluminum
S4	304 Stainless Steel
S6	316 Stainless Steel

Fabric	LA Vinyl	Neoprene	Hypalon	Silicone
NFPA 90B	3x3x3 4x4x4	3x3x3 4x4x4 3x6x3	3x3x3 4x4x4	3x3x3 4x4x4 3x6x3

In accordance with NFPA 96, flexible duct connectors are not approved for use in grease duct applications.

FABRIC SPECIFICATIONS

VINYL SUPER DUTY (dual fabric)

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

- 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

CLASSIFIED UL

Fabric
In Accordance With ANSI/NFPA701
Method 1
R15745

LA APPROVED VINYL SUPER DUTY (dual fabric)

Base Fabric:	Polyester/Polyester
Color:	Black
Weight:	20 oz/sq.yd ± 2
Tearing Strength:	W: 35 lbs F: 35 lbs
Tensile Strength:	W: 280 lbs F: 220 lbs
Low Temperature:	-40°F
High Temperature:	200° 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

HYPALON

Base Fabric:	Glass Cloth
Color:	White
Weight:	30 ± 2 oz/sq yd
Tearing Strength:	W: 25 lbs F: 20 lbs
Tensile Strength:	W: 475 lbs F: 375 lbs
Low Temperature:	-40°F
High Temperature:	200° F

- Ideal for outdoor applications and fume hoods
- Flame resistant coating
- Resistant to weather, most chemicals, fat, and oil
- UV Resistant
- Meets NFPA 701

CLASSIFIED UL

Fabric
In Accordance With NFPA 701 (1999 Edition)
Method 2
R15745

NEOPRENE

Base Fabric:	Glass Cloth
Color:	Black
Weight:	30 ± 2 oz/sq yd
Tearing Strength:	W: 40 lbs F: 30 lbs
Tensile Strength:	W: 395 lbs F: 255 lbs
Low Temperature:	-40°F
High Temperature:	200° F

- Ideal for fume hoods
- Flame resistant coating
- Resistant to weather, most chemicals, fat, and oil
- Mildew resistant per ASTM G-21
- Meets NFPA 701

SILICONE (silicone rubber coating)

Base Fabric:	Fiberglass Fabric
Color:	Silver
Weight:	30 oz/yd lbs +/- 2 oz/sq yd
Tearing Strength:	W: 90 lbs F: 90 lbs
Tensile Strength:	W: 372 lbs F: 372 lbs
Low Temperature:	-70°F
High Temperature:	500° F

- 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

TEFLON

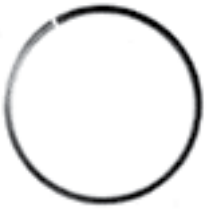
Base Fabric:	Glass Cloth
Color:	Gray
Weight:	18 +/- 1 oz/sq yd
Tearing Strength:	W: 20 lbs F: 20 lbs
Tensile Strength:	W: 410 lbs F: 355 lbs
Low Temperature:	-100°F
High Temperature:	600° F

- Excellent chemical resistance
- Excellent flexibility in extreme temperatures
- Flame resistant coating

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



#AG2001
ALIGNMENT GRIPS
A modified vise grip to help you do a better job and save time.



Revit Files Available
Visit Ductmate.com

Spec Sheets Available here

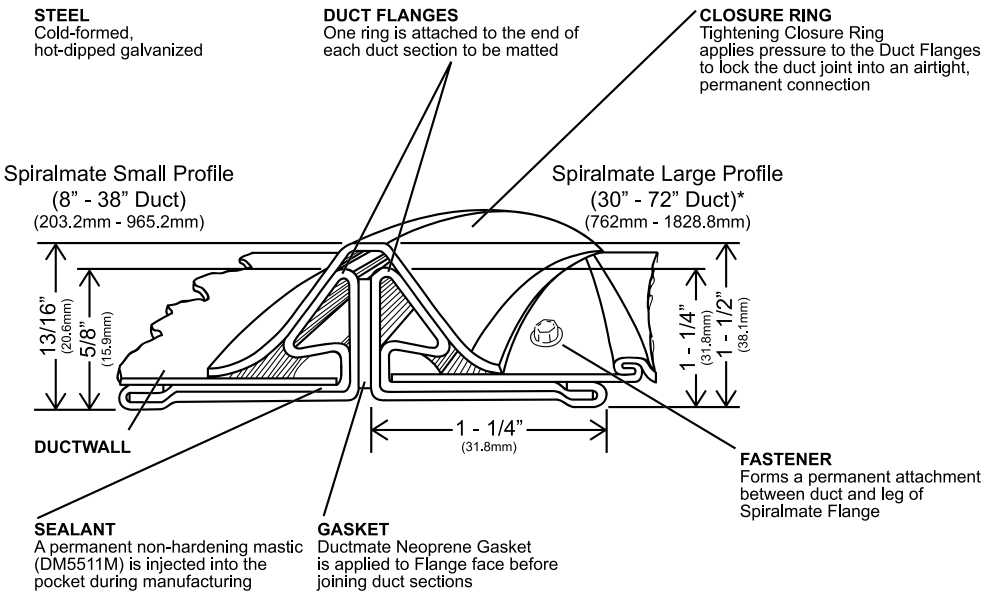
SPIRALmate®



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)



** For Large Profile sizes 30” - 38”, consult factory for availability*

Ventmate

DESIGNED FOR UNDERGROUND MINING SYSTEMS



- FAST, SAVES TIME
- AIR TIGHT, EFFICENT
- 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 STANDARD
  1” INCREMENTS AVAILABLE

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.

DIMENSIONS

Refer to Cross Section on previous page.

LIMITATIONS

The Spiralmate Small Profile Round Duct Connector is not recommended for applications with spiral duct gauges heavier then 20 GA or lighter then 28 GA. The Spiralmate Large Profile Round Duct Connector is not recommended for applications with spiral duct gauges heavier then 16 GA or lighter then 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

COMPOSITIONS & MATERIALS

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

a. Two mating Round Duct Connector Flanges of roll-formed galvanized steel with an integral sealant. Large Profile 20 ga., Small Profile 22 ga.
b. A Closure Ring of roll-formed galvanized steel. Large Ring 18 ga., Small Ring 20 ga.
c. Mastic: Ductmate DM5511M
d. Gasket: Neoprene and DM 440 ***(Sold Separately)***

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.

SPIRALMATE ORDERING INFORMATION

HOW TO ORDER USING PART NUMBER VARIATIONS, EXAMPLE: **SM28GA**

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

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.

NOTE: SPIRALMATE CONNECTOR SYSTEM COMES COMPLETE WITH 2 FLANGES AND 1 CLOSURE RING.
ADDITIONAL FLANGE RINGS AND CLOSURE RINGS ALSO SOLD SEPARATELY. **Part Numbers (CRH**GA and DF**GA)**
NEOPRENE GASKET IS RECOMMENDED AROUND THE CIRCUMFERENCE OF THE SPIRALMATE FLANGE.
SMALL AMOUNT OF 440 BUTYL GASKET REQUIRED AT BREAK IN FLANGE. SEE GASKETING FOR SPECIFICATIONS.
GASKET CALCULATION: DIAMETER + 1-1/2"X3.1415=(LI ÷ 12 PER JOINT) X (NUMBER OF RELATED SIZES)=SIZE TOTAL
TOTAL FOOTAGE DETERMINED BY ADDING ALL SIZES TOTAL.

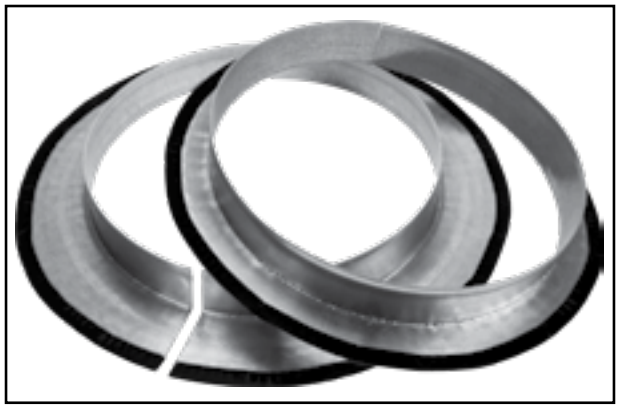
#NUTRUNL - Special long socket for large profile Spiralmate Closure Ring
#NUTRUNS - Special long socket for small profile Spiralmate Closure Ring

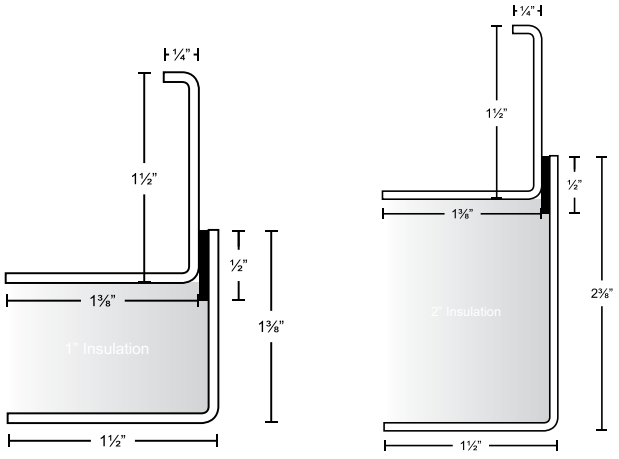
Press-On Inner Rings

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



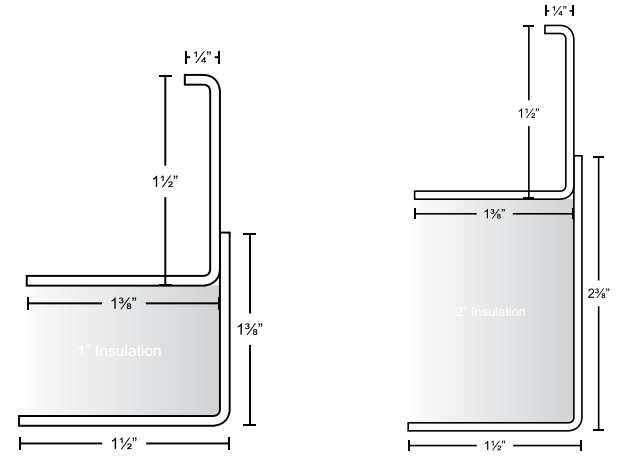


Weld-On Inner Rings

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





ORDERING AND PACKING INFORMATION

EXAMPLE: **1IR*26GAPSA**

CONNECTOR TYPE	CONNECTOR SIZE
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***	**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”

ECONO*flange*™ Round

Duct Connection System

Spec Sheets Available here

Revit Files Available
Visit Ductmate.com

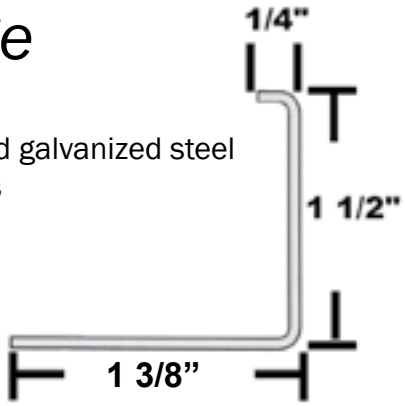
ECONO*flange*

8" - 72"

Cold-formed, hot-dipped galvanized steel with pre-punched holes

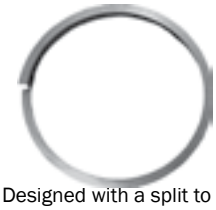
48" & Under:
18 Gauge Steel

50" & Up:
16 Gauge Steel



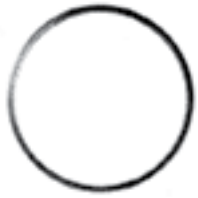


ECONOflange Split



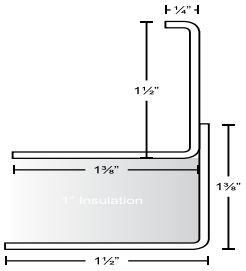
Designed with a split to accommodate minor deviations of pipe diameter.

ECONOflange Welded

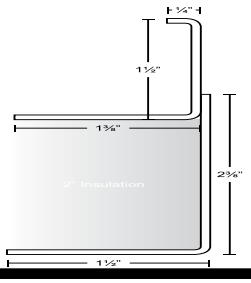


Now available without split.

ECONOflange 1" Double Wall



ECONOflange 2" Double Wall



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

ORDERING AND PACKING INFORMATION

EXAMPLE: **EFR16*GA**

TYPE	DIAMETER			ALLOY
Example = EFR	*Example = 16*			*Example = GA*
• EFR = ECONOflange • EFRW (Econoflange Welded)	8" 10" 12" 14" 16" 18" 20" 22" 24" 26" 28"	30" 32" 34" 36" 38" 40" 42" 44" 46" 48" 50"	52" 54" 56" 58" 60" 62" 64" 66" 68" 70" 72"	• GA = Galvanized • GN = Galvanneal • AZ = Aluminized • S4 = 304 Stainless • S6 = 316 Stainless • PVC = PVC Coated • AL = Aluminum

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

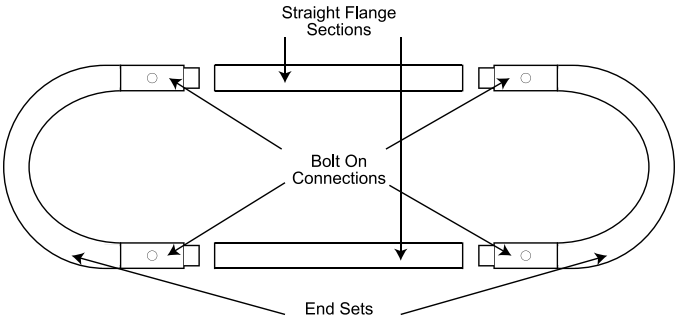
GASKETING

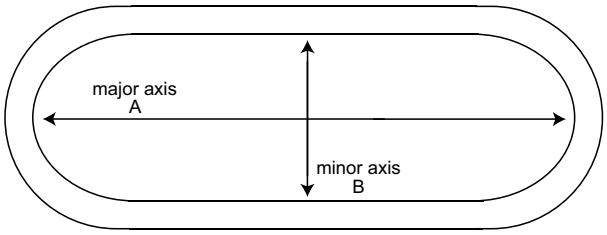
PART NO.	DESCRIPTION	PACKAGE QTY./SHIPPING WT.
NEO 5/16X3/4	NEOPRENE	50' rolls/750' per case, @ 15 lbs. / case
440 3/16x5/8	BUTYL	25' rolls/500' per case
440 3x2x1/8	BUTYL PATCHES	512 patches/per case

ECONO*flange*™ OVAL

Spec Sheets
Available here

Oval Duct Connection System



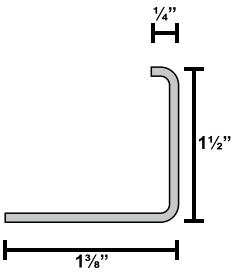




Complete Oval Rings are available upon request.
EO(MIN)(MAJ)GA
Call for Pricing

Modular Components
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 For Modular Components

EXAMPLE: **EFO20GA**

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

* Larger sizes also available

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

Example:

Duct Dimension 68" x 20"

	Major Dimension	68"
(minus)	Minor Dimension	- 20"
(minus)	6¼	- 6¼"
(equals)	Straight Econoflange Oval Angle Length	41¾"

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

Revit Files Available
Visit Ductmate.com

Spec Sheets Available here

Double-Bolt Connection Now Available!



Standard Single-Bolt Connection

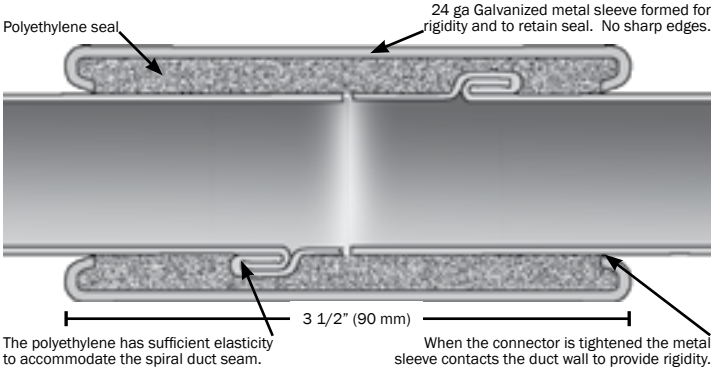


VALUE ADDED MONEY SAVING FEATURES:

- **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**

CONNECTOR Example: QS	GASKETING TYPE Example: **	CONNECTOR SIZE Example: 10		ALLOY TYPE Example: GA
QS = Single-Bolt QUICKSLEEVE	**** NO NUMBER REQUIRED FOR STANDARD GASKET (POLYETHYLENE)** N = NEOPRENE HT = HIGH-TEMP S = SILICONE	3=3" 4=4" 5=5" 6=6" 7=7" 8=8"	9=9" 10=10" 11=11" 12=12" 13=13" 14=14"	GA = GALVANIZED GN = GALVANNEALED AZ = ALUMINIZED S4 = 304 STAINLESS S6 = 316 STAINLESS
LABQS = Double-Bolt QUICKSLEEVE		4=4" 5=5" 6=6" 7=7" 8=8" 9=9" 10=10"	11=11" 12=12" 13=13" 14=14" 15=15" 16=16" 18=18"	GA = GALVANIZED S4 = 304 STAINLESS S6 = 316 STAINLESS

WEIGHTS				
3" = 0.76 lbs/ea	6" = 1.01 lbs/ea	9" = 1.27 lbs/ea	12" = 1.69 lbs/ea	16" = 2.10 lbs/ea
4" = 0.84 lbs/ea	7" = 1.11 lbs/ea	10" = 1.49 lbs/ea	13" = 1.77 lbs/ea	18" = 2.32 lbs/ea
5" = 0.93 lbs/ea	8" = 1.16 lbs/ea	11" = 1.58 lbs/ea	14" = 1.93 lbs/ea	

DUCTMATE®

THE SANDWICH® DOOR

Revit Files Available
Visit Ductmate.com

Spec Sheets
Available here

- 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

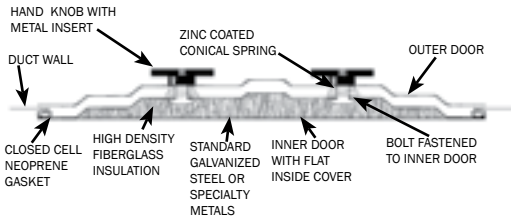


SPIRAL DUCT



- 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.

CROSS-SECTION OF DUCTMATE SANDWICH ACCESS DOOR
(INSULATED)

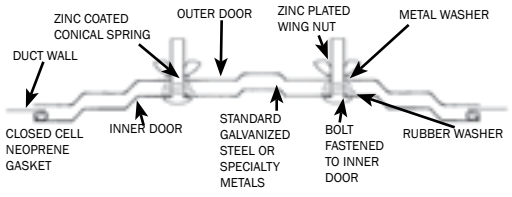


CIRCULAR CLEAN-OUT



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

CROSS SECTION OF DUCTMATE SANDWICH ACCESS DOOR
(UNINSULATED AND CLEAN-OUT) (Clean Out 10x6 - 12x8 only)

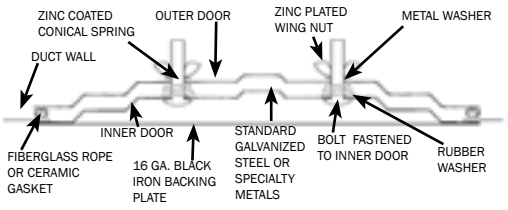


HIGH TEMP



- 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.

CROSS SECTION OF DUCTMATE HI-TEMP ACCESS DOOR
(Side View - Round)



Rectangular Duct

Door	Actual Door Size	Template (Opening Size)	Part No.	Gauge	# Per Carton	Lbs Per Carton
**8" x 4"	9" x 5"	8" x 4"	D*84†GA	22	10	12
10" x 6"	11" x 7"	10" x 6"	D*106†GA	22	10	25
12" x 8"	13" x 9"	12" x 8"	D*128†GA	22	10	35
**16" x 12"	17" x 13"	16" x 12"	D*1612†GA	20	5	31
18" x 14"	19" x 15"	18" x 14"	D*1814†GA	20	5	45
**,‡24" x 18"	24⅝" x 18¾"	23¼" x 17½"	D*2418†GA	18	3	27

* Available in Insulated (I) or Uninsulated (U), please specify
** Oval Shaped
† (M) For modified doors with longer bolts
‡ 24"x18" available in 2 panel only

Rectangular Duct Hi-Temp

Size	Part No.	Gauge	No. Per Carton	Lbs. Per Carton
**8" x 4"	D84*†GA	22	10	12
10" x 6"	D106*†GA	22	10	32
12" x 8"	D128*†GA	22	10	50
**16" x 12"	D1612*†GA	20	5	31
18" x 14"	D1814*†GA	20	5	64
**24" x 18"	D2418*†GA	18	3	57

* F1 door heat rated to 1,000°F, F2 door heat rated to 2,300°F.
** Oval Shaped
† (M) For modified doors with longer bolts

Spiral Duct

Door	Sizes	Duct Diameter	Part Number
8" x 4" 22 Gauge 10 per carton 12 lbs. per carton	**Actual Door:** 9" x 4¾" **Opening Size:** $7^{7/8}$" x $3^{7/8}$"	5" - 6" 7" - 9" 10" - 11" 12" - 14"	DR*846†GA DR*849†GA DR*8411†GA DR*8414†GA
10" x 6" 22 Gauge 10 per carton 20 lbs. per carton	**Actual Door:** $10^{7/16}$" x 7" **Opening Size:** $9^{7/8}$" x $5^{7/8}$"	6"-7" 8"-9" 10"-12" 13"-14" 15"-16" 17"-20" 21"-24" 25"-28"	DR*1067†GA DR*1069†GA DR*10612†GA DR*10614†GA DR*10616†GA DR*10620†GA DR*10624†GA DR*10628†GA
12" x 8" 22 Gauge 10 per carton 35 lbs. per carton	**Actual Door:** 12½" x $8^{9/16}$" **Opening Size:** $11^{11/16}$" x 7⅝"	10" - 11" 12" - 14" 15" - 16" 17" - 18" 19" - 20"	DR*12811†GA DR*12814†GA DR*12816†GA DR*12818†GA DR*12820†GA
16" x 12" 20 Gauge 5 per carton 31 lbs. per carton	**Actual Door:** 16½" x 12⅜" **Opening Size:** 15¾" x $11^{7/16}$"	15" - 16" 17" - 18" 19" - 20" 21" - 22" 23" - 24" 25" - 28" 29" - 32" 33" - 36" 37" - 60"	DR*161216†GA DR*161218†GA DR*161220†GA DR*161222†GA DR*161224†GA DR*161228†GA DR*161232†GA DR*161236†GA Consult Factory
24" x 18" *(Available in 2 panel only)* 18 Gauge 2 per carton 25 lbs. per carton *(Only Available in Galvanized and 316 Stainless)*	**Actual Door:** 24⅝" x 18⅝" **Opening Size:** 23¼" x 17½"	29" - 32" 33" - 36" 37" - 40" 41" - 44" 45"- 48" 49"- 52" 53" - 56" 57" - 62" 63" - 144"	DR*241832†GA DR*241836†GA DR*241840†GA DR*241844†GA DR*241848†GA DR*241852†GA DR*241856†GA DR*241862†GA Consult Factory

* Available in Insulated (I) or Uninsulated (U), please specify
† (M) For modified doors with longer bolts

Spiral Duct Hi - Temp

Door Size	Sizes	Duct Diameter	Part Number
8" x 4" 22 Gauge 10 per carton 12 lbs. per carton	**Actual Door:** 9" x 4¾" **Opening Size:** $7^{7/8}$" x $3^{7/8}$"	5" - 6" 7" - 9" 10" - 11" 12" - 14"	DR846*†GA DR849*†GA DR8411*†GA DR8414*†GA
10" x 6" 22 Gauge 10 per carton 20 lbs. per carton	**Actual Door:** $10^{7/16}$" x 7" **Opening Size:** $9^{7/8}$" x $5^{7/8}$"	6"-7" 8"-9" 10"-12" 13"-14" 15"-16" 17"-20" 21"-24" 25"-28"	DR1067*†GA DR1069*†GA DR10612*†GA DR10614*†GA DR10616*†GA DR10620*†GA DR10624*†GA DR10628*†GA
12" x 8" 22 Gauge 10 per carton 35 lbs. per carton	**Actual Door:** 12½" x $8^{9/16}$" **Opening Size:** $11^{11/16}$" x 7⅝"	10" - 11" 12" - 14" 15" - 16" 17" - 18" 19" - 20"	DR12811*†GA DR12814*†GA DR12816*†GA DR12818*†GA DR12820*†GA
16" x 12" 20 Gauge 5 per carton 31 lbs. per carton	**Actual Door:** 16½" x 12⅜" **Opening Size:** 15¾" x $11^{7/16}$"	15" - 16" 17" - 18" 19" - 20" 21" - 22" 23" - 24" 25" - 28" 29" - 32" 33" - 36" 37" - 60"	DR161216*†GA DR161218*†GA DR161220*†GA DR161222*†GA DR161224*†GA DR161228*†GA DR161232*†GA DR161236*†GA Consult Factory
24" x 18" 18 Gauge 2 per carton 25 lbs. per carton	**Actual Door:** 24⅝" x 18⅝" **Opening Size:** 23¼" x 17½"	29" - 32" 33" - 36" 37" - 40" 41" - 44" 45"- 48" 49"- 52" 53" - 56" 57" - 62" 63" - 144"	DR241832*†GA DR241836*†GA DR241840*†GA DR241844*†GA DR241848*†GA DR241852*†GA DR241856*†GA DR241862*†GA Consult Factory

* F1 door heat rated to 1,000°F, F2 door heat rated to 2,300°F.
† (M) For modified doors with longer bolts

Clean-Out

Size	Part No.	Gauge	No. Per Carton	Lbs. Per Carton
10" x 6"	DC106GA	24	10	15
12" x 8"	DC128GA	24	10	23

Circular Clean-Out

Size	Part No.	Gauge	No. Per Carton	Lbs. Per Carton
8"	DC*8GA	24	10	12
10"	DC*10GA	24	10	17
12"	DC*12GA	22	10	26

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

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.






Spec Sheets
Available here

Revit Files Available
Visit Ductmate.com

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 Uninsluated
- Tested to 10” W.G. positive/negative pressure with minimal leakage noted
- Also Available In Stainless Steel



Packaging Information

Size	Part No.	Gauge	No. Per Carton	Lbs. Per Carton
16” x 12”	DO*1612GA	22	5	32 lbs.

** 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

Size	Part No.	Gage	No. Per Carton	Lbs. Per Carton
10” x 6”	DO106GA	22	10	25

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.

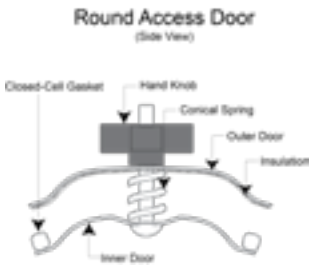
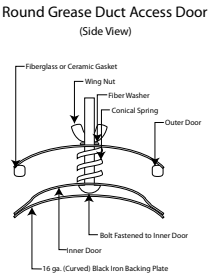
- 4” x 2⅝” viewport
- Two layers of safety glass
- Tested to 10” w.g.positive/negative

Packaging Information

Size	Part No.	Gage	No. Per Carton	Lbs. Per Carton
10” x 6”	DO106GA4	22	10	25

WDCI SANDWICH® DOOR

Oval Configuration

RECTANGULAR		• Attached gasket makes door completely airtight • Insulated with polyester foam permanently bonded to outer door • Conical springs between inner and outer doors for easier operation • Hand knobs have threaded brass inserts	**CROSS SECTION OF W.D.C.I. ACCESS DOOR** (End View - Round) 
ROUND			
HIGH TEMP		• High temperature and grease duct applications • High temperature fiberglass rope, or ceramic fiber gasket • Smooth interior surface	**CROSS SECTION OF W.D.C.I. GREASE DUCT ACCESS DOOR** (Side View - Round) 

- Shape, design, and construction differ from Ductmate® Sandwich Door®
- Stamped from hot-dipped galvanized G-60
- No measuring (self adhesive template provided)
- No frame to install and seal
- Effortless opening and closing (no tools required)

ORDERING INFORMATION

EXAMPLE: **WRI161236GA**

W.D.C.I. Access Doors

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

* Only Available in Galvanized and 316 Stainless
** Only Door Avilable in Uninsulated (U)

UL TIMATE DOOR ™

6x6 TO 24x24 CUSTOM SIZES AVAILABLE!

Spec Sheets Available here

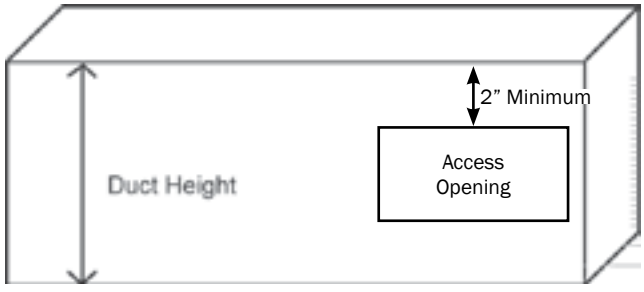
Revit Files Available
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- UL 1978 Listed
- Easy to install sandwich design with no special tools required
- Minimal penetration into the duct
- Dramatically reduces installation time
- No welding required
- Grease and liquid tight
- Meets NFPA 96 Standards
- Union made in the U.S.A.
- Available in a variety of sizes, square and rectangular
- Available opening sizes: 6x6 to 24x24
- 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

* 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.

Part #	Description	Opening Size	Door Size	Minimum Duct Height	Packaging Quantity	Weight
D66UL*	UL Door Only	6” x 6”	8” x 8”	13”	5	25.3 lbs.
D66ULWS*	UL Door with Insulation Kit and 12” x 12” Outer Plate	6” x 6”	8” x 8”	13”	5	45.0 lbs.
D720UL*	UL Door Only	7” x 20”	9” x 22”	13”	3	36.0 lbs.
D720ULWS*	UL Door with Insulation Kit and 13” x 26” Outer Plate	7” x 20”	9” x 22”	13”	3	52.0 lbs.
D106UL*	UL Door Only	10” x 6”	12” x 8”	12”	5	39.0 lbs.
D106ULWS*	UL Door with Insulation Kit and 16” x 12” Outer Plate	10” x 6”	12” x 8”	12”	5	63.0 lbs.
D1010UL	UL Door Only	10” x 10”	12” x 12”	17”	5	57.0 lbs.
D1010ULWS*	UL Door with Insulation Kit and 16” x 16” Outer Plate	10” x 10”	12” x 12”	17”	5	70.0 lbs.
D128UL*	UL Door Only	12” x 8”	14” x 10”	14”	5	55.9 lbs.
D128ULWS*	UL Door with Insulation Kit and 18” x 14” Outer Plate	12” x 8”	14” x 10”	14”	4	70.0 lbs.
D1212UL*	UL Door Only	12” x 12”	14” x 14”	19”	2	24.01 lbs.
D1212ULWS*	UL Door with Insulation Kit and 18” x 18” Outer Plate	12” x 12”	14” x 14”	19”	2	43.56 lbs.
D1612UL*	UL Door Only	16” x 12”	18” x 14”	18”	2	25 lbs.
D1612ULWS*	UL Door with Insulation Kit and 22” x 18” Outer Plate	16” x 12”	18” x 14”	18”	2	54.68 lbs.
D1814UL*	UL Door Only	18” x 14”	20” x 16”	20”	2	48.0 lbs.
D1814ULWS*	UL Door with Insulation Kit and 24” x 20” Outer Plate	18” x 14”	20” x 16”	20”	2	68.0 lbs.
D2020UL*	UL Door Only	20” x 20”	22” x 22”	26”	1	36.0 lbs.
D2020ULWS*	UL Door with Insulation Kit and 26” x 26” Outer Plate	20” x 20”	22” x 22”	26”	1	49.0 lbs.
D2418UL*	UL Door Only	24” x 18”	26” x 20”	24”	1	39.6 lbs.
D2418ULWS*	UL Door with Insulation Kit and 30” x 24” Outer Plate	24” x 18”	26” x 20”	24”	1	50.63 lbs.
ULINSULKIT	Kit 1: Four 8” extension studs, washers, fasteners, “Do Not Obstruct” stickers, and installation instructions				5	1.12 lbs.
OP_UL* INSERT SIZE	Kit 2: UL Door Outer Plate				1	Consult Factory



In order to use the minimum duct height, the door must be installed with it’s 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.

Listed
MH27722
Fittings for Hood and Duct Penetration Grease Duct Access Door

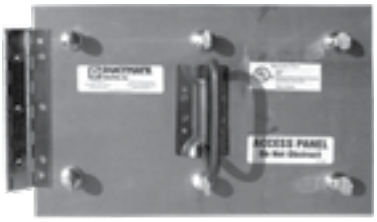
ULTIMATE DOOR II ™

Easy to Install Weld-On Design

6x6 TO 24x24 CUSTOM SIZES AVAILABLE!

Spec Sheets Available here

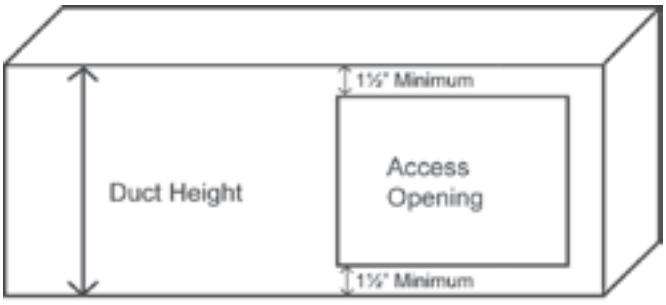
Revit Files Available
Visit Ductmate.com



- 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 custom sizes 6x6 to 24x24
- 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

* Insert S4 for Stainless Steel (provided with Stainless Steel hex bolts).
* Insert BI for Black Iron.
Items in **Bold** refer to hinged doors - To indicate which side the hinge is located on when ordering, enter the side you would like the hinge on as the second number in the part number (ex: in DWH18**14**ULBI, the hinge is on the 14" side).

Part #	Description	Opening Size	Door Size	Minimum Duct Height	Packaging Quantity	Weight
DW66UL* **DWH66UL***	UL Door Only	6" x 6"	8" x 8"	9"	5	20.0 lbs. **23.0 lbs.**
DW66ULWS* **DWH66ULWS***	UL Door with Insulation Kit and 12" x 12" Outer Plate	6" x 6"	8" x 8"	9"	5	26.7 lbs. **42.5 lbs.**
DW106UL* **DWH106UL***	UL Door Only	10" x 6"	12" x 8"	9"	5	38.1 lbs. **32.5 lbs.**
DW106ULWS* **DWH106ULWS***	UL Door with Insulation Kit and 16" x 12" Outer Plate	10" x 6"	12" x 8"	9"	5	34.95 lbs. **56.5 lbs.**
DW1010UL* **DWH1010UL***	UL Door Only	10" x 10"	12" x 12"	13"	5	40.0 lbs. **40.9 lbs.**
DW1010ULWS* **DWH1010ULWS***	UL Door with Insulation Kit and 16" x 16" Outer Plate	10" x 10"	12" x 12"	13"	4	53.0 lbs. **55.0 lbs.**
DW128UL* **DWH128UL***	UL Door Only	12" x 8"	14" x 10"	11"	5	46.22 lbs. **41.3 lbs.**
DW128ULWS* **DWH128ULWS***	UL Door with Insulation Kit and 18" x 14" Outer Plate	12" x 8"	14" x 10"	11"	4	53.0 lbs. **53.7 lbs.**
DW1814UL* **DWH1814UL***	UL Door Only	18" x 14"	20" x 16"	17"	2	32.6 lbs. **34.0 lbs.**
DW1814ULWS* **DWH1814ULWS***	UL Door with Insulation Kit and 24" x 20" Outer Plate	18" x 14"	20" x 16"	17"	2	53.0 lbs. **52.0 lbs.**
DW2020UL* **DWH2020UL***	UL Door Only	20" x 20"	22" x 22"	23"	1	34.95 lbs. **36.9 lbs.**
DW2020ULWS* **DWH2020ULWS***	UL Door with Insulation Kit and 26" x 26" Outer Plate	20" x 20"	22" x 22"	23"	1	34.95 lbs. **37.0 lbs.**
DW2418UL* **DWH2418UL***	UL Door Only	24" x 18"	26" x 20"	21"	1	23.5 lbs. **24.3 lbs.**
DW2418ULWS* **DWH2418ULWS***	UL Door with Insulation Kit and 30" x 24" Outer Plate	24" x 18"	26" x 20"	21"	1	36.0 lbs. **36.8 lbs.**
ULINSULKIT	Kit 1: Four 8" extension studs, washers, fasteners, "Do Not Obstruct" stickers, and installation instructions				5	1.12 lbs.
OP_UL* INSERT SIZE	Kit 2: UL Door Outer Plate				1	Consult Factory



Unlike the ULtimate sandwich style door, the ULtimate 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
MH27722
Fittings for Hood and
Duct Penetration
Grease Duct Access Door

ULTIMATE DOOR™ ROUND

6x6 TO 24x24 CUSTOM SIZES AVAILABLE!

Spec Sheets Available here

Revit Files Available
Visit Ductmate.com

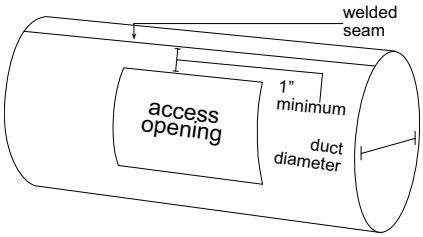


- UL 1978 Listed
- Easy to install Sandwich design with no special tools required
- Minimal penetration into the duct
- Dramatically reduces installation time
- No welding required
- Grease and liquid tight
- Meets NFPA 96 standards
- Union made in the U.S.A.
- Holes line up easily with adjustable fastening 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.

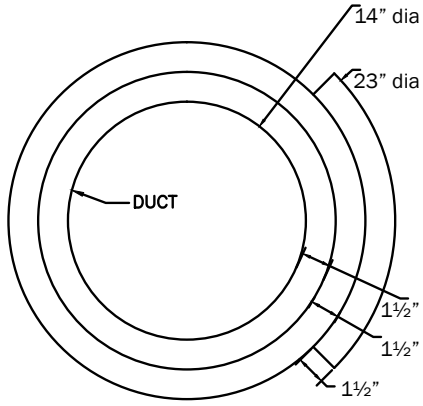
Door Part #	Description	Opening Size	Door Size	Minimum Diameter	Package Quantity	Weight
DR106†UL*	Round UL Door 10" x 6"	10" x 6"	12" x 8"	10"	5	39.0 lbs.
DR128†UL*	Round UL Door 12" x 8"	12" x 8"	14" x 10"	10"	5	55.9 lbs.
DR1814†UL*	Round UL Door 18" x 14"	18" x 14"	20" x 16"	14"	2	48.0 lbs.



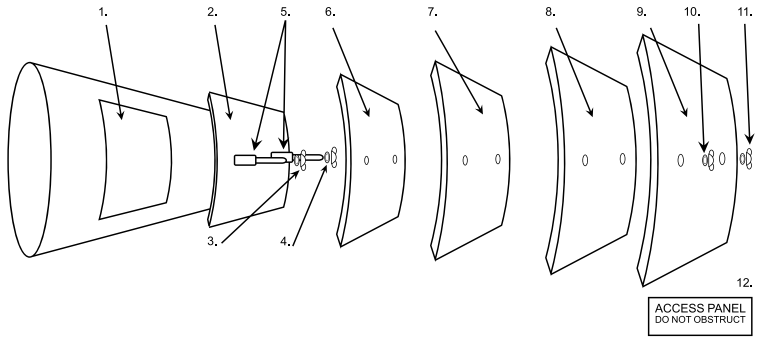
The door frame extends 1" around the opening; therefore, a minimum of 1" clearance is required on either side of the welded seam. Cutting the opening too close to the welded seam may lead to leakage.

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.

Outer Template Part #	Description	Outer Plate	Package Quantity	Weight
OPR106ULXX‡‡ (Sold Separately)	Outer Plate for 10" x 6" Door	16" x 12"	1	Consult Factory
OPR128ULXX‡‡ (Sold Separately)	Outer Plate for 12" x 8" Door	18" x 14"	1	Consult Factory
OPR1814ULXX‡‡ (Sold Separately)	Outer Plate for 18" x 14" Door	24" x 20"	1	Consult Factory
ULRINSULKIT (Sold Separately)	Insulation Kit: Two(2) 6" extension studs, 2 washers, 2 coupler nuts, 2 wing nuts, "Do Not Obstruct" sticker, and Installation Instructions.		1	1.0 lbs.



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
MH27722
Fittings for Hood and Duct Penetration
Grease Duct Access Door

STANDARD CHARACTERISTICS OF DUCTMATE SQUARE FRAMED ACCESS DOORS

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

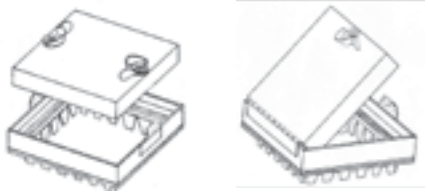
6x6 TO 36X36 CUSTOM SIZES AVAILABLE!

TECHNICAL INFORMATION

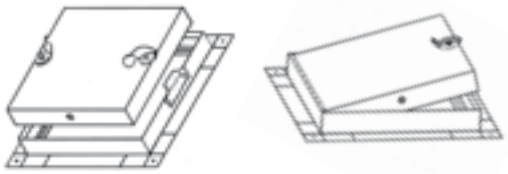
- Meets SMACNA HVAC Duct Construction Standards
- 1" High density fiber glass insulation board made from inorganic glass fibers bonded with renewable bio-based materials (FHC25/50).
- R Valve 4.2.
- Door consists of two, 24 gauge galvanized steel panels, mechanically locked together.
- Meets SMACNA requirements 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*

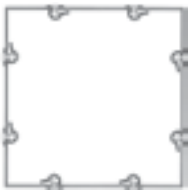
Tab-In:



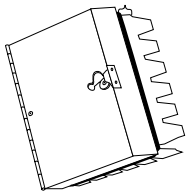
Press-On:



Tab-In High Pressure:



Duct Board *1" or 1½":



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

ORDERING INFORMATION

EXAMPLE: **FD1C10GA**

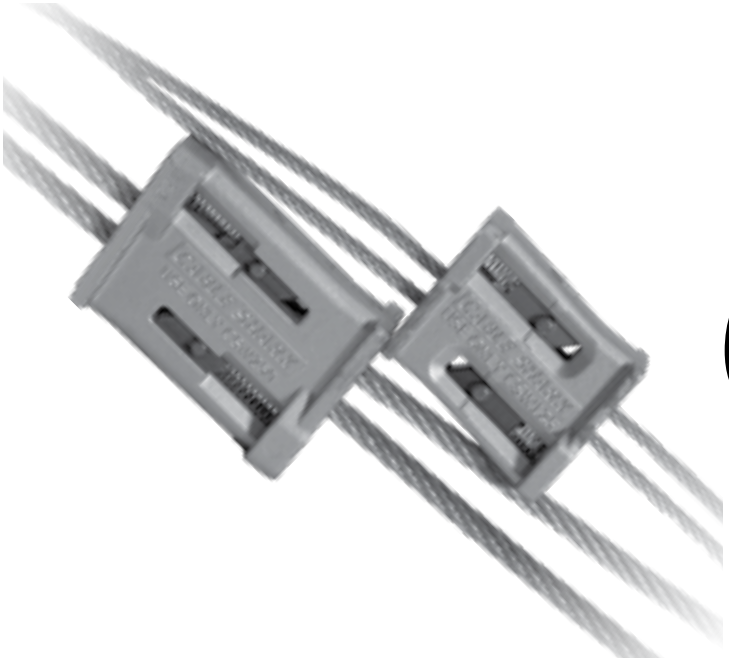
Door Type	Frame Type	Closure	Sizes:**		Alloy
FD = Framed Door	1 = 1" Duct Board 15 = 1 1/2" Duct Board P = Press-On Frame HP = High Pressure *(Insert nothing for a tabbed door for metal ductwall, Example: FDC10GA)*	C = Cam Latch H = Hinge	6 = 6" x 6" 8 = 8" x 8" 10 = 10" x 10" 12 = 12" x 12" 14 = 14"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

**** 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

PACKAGING INFORMATION

Door Size	6"	8"	10"	12"	14"	16"	18"	20"	24"
No. / Carton	20	20	10	10	10	5	5	5	5
Lbs / Carton	31	45	30	39	50	30	38	45	60

Spec Sheets
Available here



CABLE SHARK®
CABLE HANGING SYSTEM

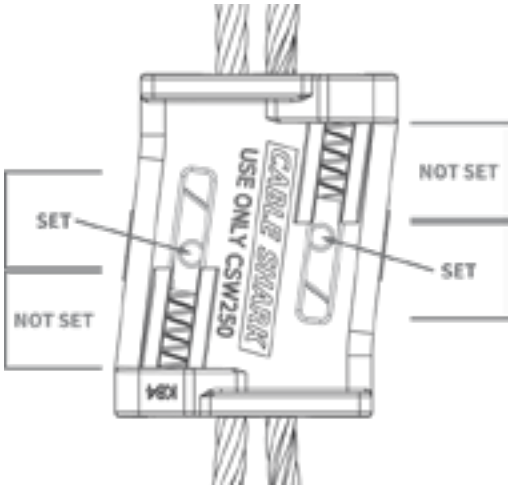
SPECIAL CHARACTERISTICS

- Engineered for strength and durability
- Fast and easy installation
- Versatile hanging options for nearly every application
- Compact design is aesthetically pleasing
- Available in two sizes to meet specific load ranges
- Available in spools and cut-to-length sizes with ferrule loops or accessories
- New Site Kits and Brackets for added convenience
- Comprehensive Cable Shark Hanging System Construction Standards and Load Charts available online at Ductmate.com

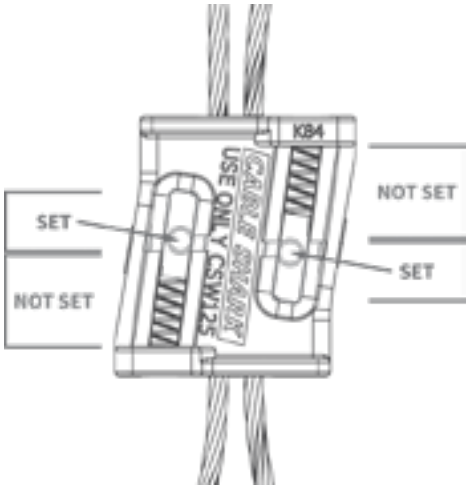
The Ductmate Cable Shark Mechanism and Ductmate Cable Shark Cable Must Always be Used In Conjunction. Use Of Any Other Steel Cable Is Prohibited.

Construction Standards Available on Ductmate.com

CS250
Load Rating: 250 lbs.



CS125
Load Rating: 125 lbs.





CS125 / CS250 CERTIFICATIONS

- SMACNA Testing and Research Institute Verification - Meets SMACNA's upper and lower attachment construction standards if used per manufacturer's installation guidelines
- Seismic Certified to ANSI/ASHRAE Standard 171-2017
- ICC-ES AC284 Certified (ESR-4742):
- 2022 California Building Code Compliant
- 2022 California Residential Code Compliant
- 2022 California Mechanical Code Compliant
- 2023 County of Los Angeles Building Code Compliant
- 2023 County of Los Angeles Residential Code Compliant
- 2023 County of Los Angeles Mechanical Code Compliant

** Certifications apply to the CS125 and CS250 mechanisms only*

PACKAGING INFORMATION

Cable Shark 125

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

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

Cable Shark 250

Part Number	Description	U/M	Units/Bag	Bags/Box	Units/Box
CS250	250 lb Cable Shark	EA	4	30	120
CSW250500	CS250 Cable 500' Spool	RL	-	-	1
CSW2501000	CS250 Cable 1000' Spool	RL	-	-	1
CSW250005	CS250 5' Cut-To-Length Kit*	EA	8	4	32
CSW250010	CS250 10' Cut-To-Length Kit*	EA	8	4	32
CSW250015	CS250 15' Cut-To-Length Kit*	EA	8	4	32
CSW250020	CS250 20' Cut-To-Length Kit*	EA	8	4	32

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

HANGING ACCESSORIES

HANGING ACCESSORIES AND CABLE SHARK MECHANISMS ARE SOLD SEPARATELY



Universal Pivoting Eyelet

Adjustable eyelet for CS125.

Load Limit: **125 lbs**

Eyelet Size: **1" x 1/2"**

Hole Size: **1/4"**

Part Number: **CSW125XXEYELET**
XX Insert Length in Feet

Available in standard 5', 10', 15' and 20' lengths. Custom lengths available upon request. Minimum quantities and lead times apply. Consult manufacturer.

***Cable Shark CS125 Sold Separately**



CSW125 1/4"-20 x 13/4" Threaded Stud*

Threaded stud for CS125 with factory crimped loop.

Load Limit: **125 lbs**

Part Number: **CSW125XX1/4STUD**
XX Insert Length in Feet

Available in standard 5', 10', 15' and 20' lengths. Custom lengths available upon request. Minimum quantities and lead times apply. Consult manufacturer.

* Nut not included

***Cable Shark CS125 Sold Separately**



CSW125 ⅜"-16 x 2 1/4" Threaded Stud*

Threaded stud for CS125 with factory crimped loop.

Load Limit: **125 lbs**

Part Numbers: **CSW125XX3/8STUD**
XX Insert Length in Feet

Available in standard 5', 10', 15' and 20' lengths. Custom lengths available upon request. Minimum quantities and lead times apply. Consult manufacturer.

* Nut not included

***Cable Shark CS125 Sold Separately**



CSW250 ⅜"-16 x 2 1/4" Threaded Stud*

Threaded stud for CS250 with factory crimped loop.

Load Limit: **250 lbs**

Part Numbers: **CSW250XX3/8STUD**
XX Insert Length in Feet

Available in standard 5', 10', 15' and 20' lengths. Custom lengths available upon request. Minimum quantities and lead times apply. Consult manufacturer.

* Nut not included

***Cable Shark CS250 Sold Separately**

HANGING ADAPTER AND BRACKETS

CABLE SHARK HANGING ADAPTER AND BRACKETS ARE SOLD SEPARATELY



Hanging Adapter

For flexibility when using CSW125 in duct hanging.

Load Limit: **125 lbs**
<30° from vertical

Box Part Number: **CS125HA**

Box Quantity: **60**

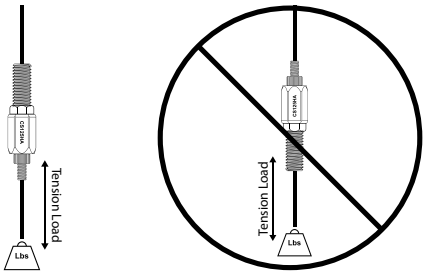
Carton Quantity: **4 Boxes**

Thread Diameter, Pitch, and Length: **3/8"-16 x 1"**

Mechanism Length: **2 1/2"**

Nut Size*: **3/8"-16**

* Nut included. Washer not included.



The CS125HA is a hanger designed to carry a tension load from the spring-loaded side. Do not hang a load from the 3/8" stud side."



Rectangular Duct Bracket

Accepts 3/8" and 5/16" threaded rod or CS125HA.

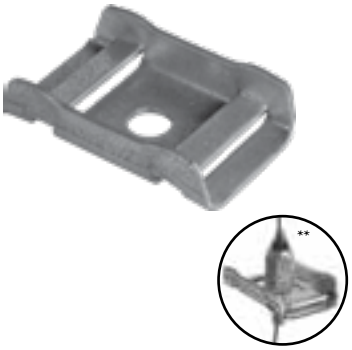
Load Limit: **125 lbs**

Box Part Number: **ZBRACKET125GA**

Box Quantity: **100**

Gauge: **11GA**

***Cable Shark CS125HA Sold Separately**



Round Duct Strap Bracket

Accepts 3/8" and 5/16" threaded rod or CS125HA.

Load Limit: **125 lbs**

Part Number: **DM4703GA**

Gauge: **14GA**

Fits strapping 1" in width, gauges 18-22. Can be used with ductwork up to 50" in diameter.

***Cable Shark CS125HA Sold Separately**

Spec Sheets
Available here

SITE KITS AND ACCESSORIES



Part Number: **CS125SITEKIT**

Cable Shark Site Kit for CSW125.

Includes:
Qty 2 - CSW125500
(#125 Cable, 500' Spool)
Qty 200 - CS125
(#125 Cable Shark)
Qty 1 - HWRC
(Cable Cutter)
Qty 1 - CSDSTOOL
(Load Adjuster Tool)



Part Number: **CS250SITEKIT**

Cable Shark Site Kit for CSW250.

Includes:
Qty 1 - CSW250500
(#250 Cable, 500' Spool)
Qty 100 - CS250
(#250 Cable Shark)
Qty 1 - HWRC
(Cable Cutter)
Qty 1 - CSDSTOOL
(Load Adjuster Tool)



Ductmate Cable Shark Cable Cutters

High-quality cutters compatible with Cable Shark Cable. Tin snips, diagonal cutters, and electrical Cable cutters fray the ends of the Cable Shark Cable and prevent it from sliding into the Cable Shark mechanism correctly. The Ductmate Cable Shark Cable Cutters provide a clean cut with less effort.

Part Number (Left): **HWRC**

Part Number (Right): **HFWRC**



Cable Shark Load Adjuster

Ensures proper loading and safety every time for peace of mind. Compact and user friendly, the tool can easily be carried in tool belt or pocket.

Part Number: **CSDSTOOL**



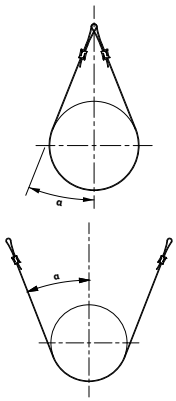
Rectangular Duct Corner Saddles

The Corner Saddles are designed to eliminate abrasion of rectangular ductwork with the use of either Cable Shark Cable Hanging System. Corner Saddles can be used when hanging rectangular duct with Ductmate's Cable Shark/Cable Rope Systems.

Part Number: **HFCCS125** *for CSW125*
HFCCS250 *for CSW250*

No minimum order quantity required

MAXIMUM LOADS - NON VERTICAL



Single Point and Spread Horse Shoe Suspension Limits
Note these limitations are valid when two Cable Shark mechanisms or one Cable Shark and a ferrule loop are utilized.

Angle	CS125 Max Load (lbs)	CS250 Max Load (lbs)
0°	250	500
5°	250	500
10°	250	500
15°	250	500
20°	250	500
25°	250	500
30°	250	480
35°	241	454
40°	226	425
45°	208	392
50°	189	356
55°	169	318
60°	147	277

VERTICAL LOAD LIMITS

Reference Cable Shark Duct Construction Standards for comprehensive load charts.

Cable Shark System	Maximum Load	Required Cable Shark Cable
CS125	125 lbs. (56.69 kg)	CSW125
CS250	250 lbs. (113.39 kg)	CSW250

WARNING

DO NOT attempt to use the Cable Shark mechanism to splice two cables together, or attempt to secure the Cable Shark Cable via only one bore in the Cable Shark mechanism. The same Cable Shark Cable must pass through both bores in the Cable Shark mechanism.

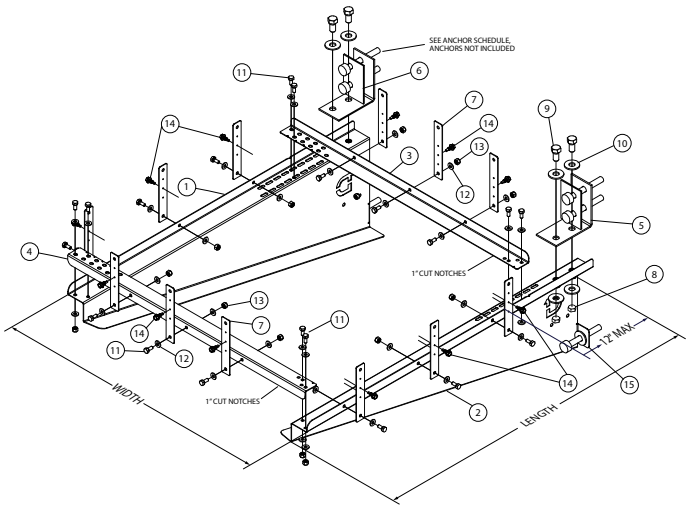
A 3" (7.62 cm) minimum length of cable must be left protruding from the locking mechanism.

HURRICANE AIR BRACE™

Spec Sheets Available here

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





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. (12) Strap
8. (4) 1/2"-13 Lock Nut
9. (4) 1/2"-13, 1" Long Bolt
10. (8) 1/2" Washer
11. (20) 1/4"-20, 5/8" Long Bolt
12. (40) 1/4" Washer
13. (20) 1/4"-20 Lock Nut
14. (12) #14 Tek Screw
15. (2) Uplift Washer

Compare the Air Brace to Conventional Methods

- Hurricane engineered and tested
- Meets 2023 Florida Building Code, 8th edition
- Florida Product Approval Number (FL#47567.1), approved for high-velocity hurricane zones
- Certified for lateral and uplift wind pressure
- Elevated design improves air flow, reduces blockage, and helps protect units from storm surge
- No ground leveling or final grade needed for installation, saving on job completion time
- Made from heavy-duty laser cut 16-gauge galvanized or 304 stainless steel
- Includes 12 hurricane straps for added security
- Lightweight and transports easily
- Simplifies equipment inspection and service
- Eliminates unit damage caused by lawn mowers and other equipment
- Can be mounted on concrete block/brick, concrete, steel studs, wood studs, and hollow concrete block
- Union made in the U.S.

Technical Information

Wall Material	Allowable Weight
Concrete Block/Brick	Consult anchor schedule (Scan QR code below)
Concrete	
Steel Stud	
Wood Stud	
Hollow Concrete Block	

When Engineered Raised Seal Drawing is Required, Contact Ductmate.

Ordering Information

Part #	Description	Packaging	Shipping
AIRBRACE36GA	36" x 30"* Condenser Unit Support	1 per box	16.4 lbs. each
AIRBRACE45GA	45" x 36"* Condenser Unit Support	1 per box	23 lbs. each
AIRBRACE55GA	55" x 48"* Condenser Unit Support	1 per box	30.85 lbs. each
AIRBRACE36S4	36" 304SS Hurricane Brace	1 per box	19 lbs.
AIRBRACE45S4	45" 304SS Hurricane Brace	1 per box	24 lbs.
AIRBRACE55S4	55" 304SS Hurricane Brace	1 per box	31 lbs.

Part #	Description
AIRBRACEHBKITGA	Hurricane Air Brace Hollow Block Kit GA
AIRBRACEHBKITS4	Hurricane Air Brace Hollow Block Kit S4

* 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.

DUCTMATE TRAPEZE DUCT HANGER

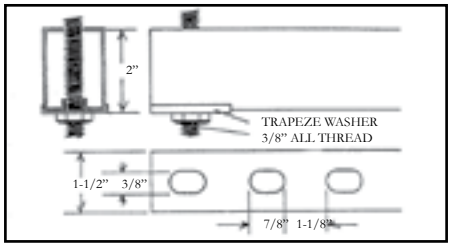
Spec Sheets Available here

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.



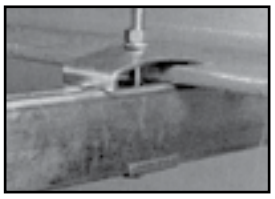
ISOLATION PAD



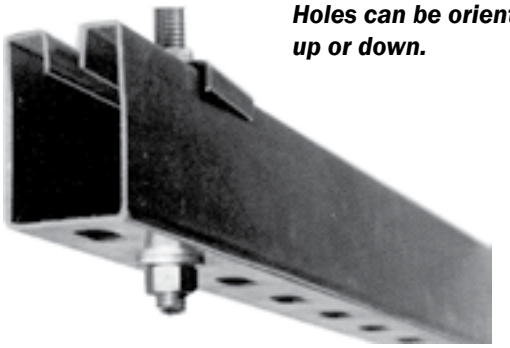
Heavy neoprene pads can be inserted into the hanger profile if sound insulation is required.

BEAM CLAMP ASSEMBLY*

Beam clamp fastens hanger profile to structural members up to 1 1/2" thick.



See Ductmate Website For Load Chart



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:

TRAPEZE LOAD CHART		
L	d=2 inches P (lbs)	*d-6 inches P (lbs)
18"	1100	850
24"	1100	850
30"	1100	840
36"	1100	830
42"	1100	810
48"	1100	780
54"	1100	735
60"	1100	680
66"	1100	600
72"	1100	520
78"	680	400
84"	190	275
96"	---	---
108"	---	---

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

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

VISUALLY APPEALING DUCT HANGERS NO TOOLING OR FABRICATION REQUIRED

Please Contact Ductmate About Specialty Metal Requests

ISOLATION DUCT HANGER



Part No. DM2723SI

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"x1-13/16" (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

ROUND DUCT HANGER



Specifications:

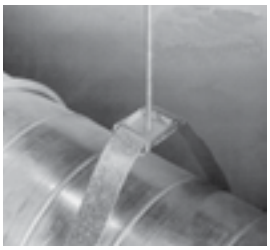
- Visually appealing and tool-less
- Strapping with a hole
- Made of 20 Ga galvanized commercial steel
- Corrosion resistant
- Min Temp: -40°F Max Temp: 392°F
- 25 per box
- 1/4" - 20 x 1" carriage bolt with zinc plated wing nut and flat washer

Part Number Variation - RDH*GA20

* Insert desired diameter:
3"-10" in 1" increments
12"-34 in 2" increments

Single Hanger Strap Maximum Allowable Load	
1" x 22 ga - 260 lbs	1" x 18 ga - 700 lbs
1" x 20 ga - 320 lbs	1-1/2" x 16 ga - 1,100 lbs
1" x 18 ga - 420 lbs	

ROUND DUCT STRAP BRACKET



THE IDEAL WAY TO HANG ROUND DUCTWORK.

NO TOOLS NEEDED.

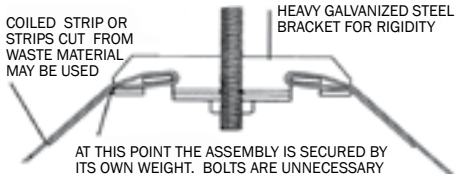
THE STEEL STRAP IS HAND BENT INTO THE BRACKET WHICH IS SELF LOADING.

PART NUMBER VARIATIONS

Part No.	Alloy	PACKAGING QTY
DM4703	GA = 14 GA. Galvanized S6 = 316 Stainless Steel	200 Pcs./Case @ 27.5 Lbs. (12.5 KG)/Case

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



VINYL DUCT STRAPPING



SIMPLEST WAY TO HANG FLEXIBLE OR LIGHT WEIGHT DUCT.

STRONGEST ALL-PURPOSE FABRIC.

PERFECT FOR SMALL INSTALLATIONS.

PART NUMBER VARIATIONS

Part No.	Material	PACKAGING QTY
DMVS200	Vinyl Super Duty Fabric	200 LF/Box 10 Boxes Per Master Carton

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 (Dual Fabric)

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

STRAPPING IN 10' LENGTHS

PRODUCT NO.	GAUGE	WIDTH	WT. (lbs.)	PACKAGING QTY.
1STGA16	16	1"	.200/LF	10' LENGTHS 100' BUNDLES (ALL GAUGES)
1STGA18	18	1"	.170/LF	
1STGA20	20	1"	.120/LF	
1STGA24	24	1"	.100/LF	
1STGA26	26	1"	.074/LF	

HANGER STRAP IN A BOX



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

PRODUCT NO.	GAUGE	WIDTH	WT. PER BOX	FT. PER BOX
1BSTGA16	16	1"	22 LBS	100
1BSTGA18	18	1"	17 LBS	100
1BSTGA20	20	1"	12 LBS	100
1BSTGA22	22	1"	21 LBS	200
1BSTGA24	24	1"	17 LBS	200
1BSTGA26	26	1"	15 LBS	200
1.5BSTGA24	24	1.5"	26 LBS	200
1.5BSTGA26	26	1.5"	20 LBS	200
1.5BSTGA28	28	1.5"	18 LBS	200

STRAPPING IN COILS

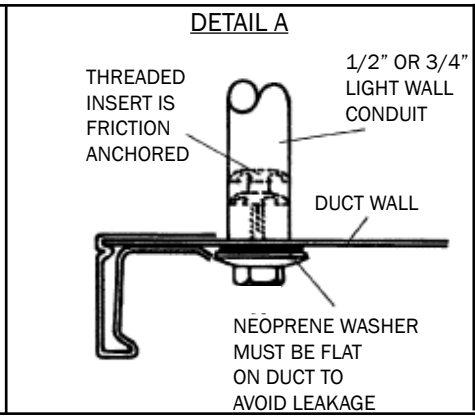


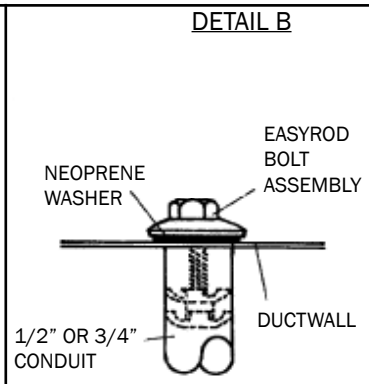
- 100 LB Coils have a 20" I.D. with 30" O.D.
- 18 gauge hot-dipped galvanized (meets ASTM-A-653 G 60/90)
- Available in 100 pound coils
- Each coil is banded with metal straps
- Orders must be by full skids

PRODUCT NO.	GAUGE	WIDTH	WEIGHT PER COIL	LENGTH PER COIL	PACKAGING 1 SKID
1CST100GA18	18	1"	APP. 100 LBS.	APP. 610'	10 COILS 1000 LBS.
1CST25GA20	20	1"	APP. 33 LBS.	APP. 250'	25 COILS 825 LBS.
1CST50GA22	22	1"	APP. 52 LBS.	APP. 500'	25 COILS 1300 LBS.
1CST50GA24	24	1"	APP. 45 LBS.	APP. 500'	25 COILS 1125 LBS.

EASYROD TIE ROD CONSTRUCTION







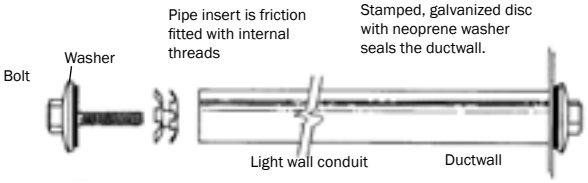
TIE ROD CONSTRUCTION HARDWARE/EASYROD

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

PART NO.	DESCRIPTION	PACKING UNIT	UNIT WEIGHT
EZ50	BOLT, WASHER, INSERT FOR 1/2" EMT CONDUIT	250 SETS	9 LBS (4.1 KG)
EZ75	BOLT, WASHER, INSERT FOR 3/4" EMT CONDUIT	250 SETS	10 LBS (4.5 KG)
EZTOOL	MAGNETIC TIE ROD ANCHOR SET	1 EA.	2 LBS (.9 KG)

DUCTMATE "Z-BAR" REINFORCEMENT

FEATURES:

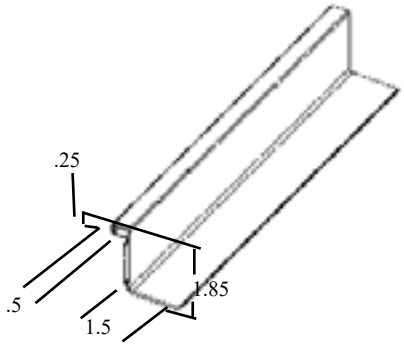
- Advanced Design
- Cost Effective
- Light Weight
- Strong
- Easy To Use

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.



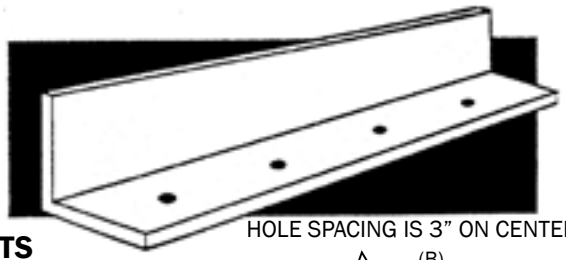
PACKAGING:

Part No.	Description	Weight	Length/Bundle
DLST15GA	"Z-BAR"	.67 lbs/ft	(75) 20' pcs/1500' bdl.

NOTE: CONSULT MATERIAL AVAILABILITY CHART FOR SPECIALTY ALLOYS

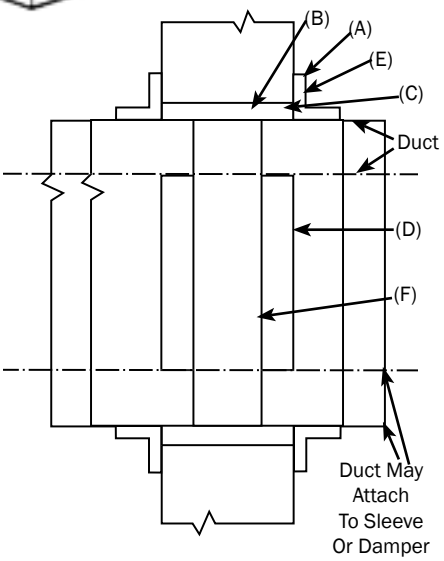
RETAINING ANGLE FOR EXTERNAL REINFORCEMENT & FRAMING FIRE DAMPERS

- 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



HOLE SPACING IS 3" ON CENTER

MEETS ASHRAE, SMACNA and UMC STANDARDS



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

Part No.	Description	Bundle Size	Weight	Length
AI1.5*GA1410**	1.5" X 1.5" - 14 ga	1000'	.73 lbs/lf.	10' or 20' pcs
AI1.5*GA1450**	1.5" X 1.5" - 14 ga	500'	.73 lbs/lf.	10' or 20' pcs
AI1.5*GA1610**	1.5" X 1.5" - 16 ga	1000'	.62 lbs/lf.	10' or 20' pcs
AI1.512GA16600	1.5" X 1.5" - 16 ga	600'	.62 lbs/lf.	12' pcs
AI1.5*GA1650**	1.5" x 1.5" - 16 ga	500'	.62 lbs/lf.	10' or 20' pcs
AI2*GA141000**	2" X 2" - 14 ga	1000'	1.04 lbs/lf.	10' or 20' pcs
AI2*GA161000**	2" X 2" - 16 ga	1000'	.77 lbs/lf.	10' or 20' pcs
AI2*GA181000**	2" X 2" - 18 ga	1000'	.632 lbs/lf.	10' or 20' pcs

* Insert 10 for 10' lengths; Insert 20 for 20' lengths
**Insert H for holes; NH for no holes
EXAMPLE: AI1.520GA1410NH = 20' length, no holes

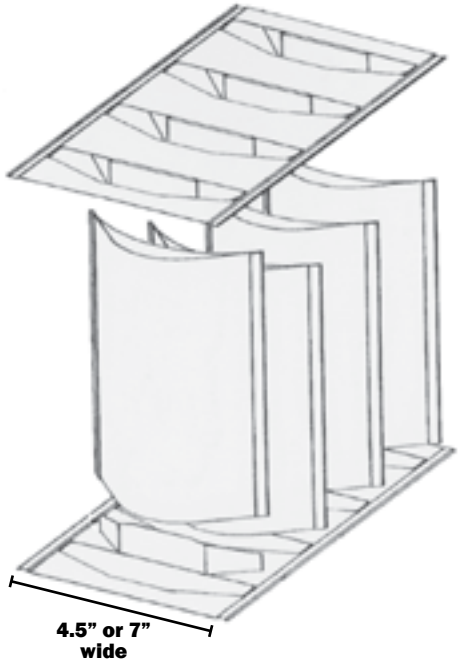
Spec Sheets
Available here

PRO rail®

SELF-LOCKING RAIL SYSTEM

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



Tab Spacing - Conforms to SMACNA Standards:

- 2” Rail = 2⅛”
- 4” Rail = 3¼”



ORDERING INFORMATION

EXAMPLE: **2PRGA24**

PRORAIL SIZE	ALLOY		GAUGES
Example: 2PR 2PR = 2” PRORAIL 4PR = 4” PRORAIL	Example: GA		Example: 24 22 = 22 GA 24 = 24 GA
	GA = GALVANIZED	AZ = ALUMINIZED	
	GN = GALVANNEAL	AL = ALUMINUM	
	S4 = 304 STAINLESS	BI = BLACK IRON	
	S6 = 316 STAINLESS	PVC = PVC COATED	

PACKAGING INFORMATION

ITEM	PACKAGING QTY	WEIGHT (lbs/ft)	
		22 GA	24 GA
2” RAIL	10’/ea-100’/bdl	.47	.39
4” RAIL	10’/ea-100’/bdl	.73	.61



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:
  2" Rail = 2½"
  4" Rail = 3½"



PACKAGING

ITEM	PACKAGING	WEIGHT (lbs/ft)	
		22 ga	24 ga
2" RAIL	10'/ea-100'/bdl	.47	.39
4" RAIL	10'/ea-100'/bdl	.87	.74

ORDERING INFORMATION EXAMPLE: **2ERGA24**

ECONORAIL SIZE	ALLOY TYPE (Example: GA)		GAUGES
Example: 2ER 2ER = 2" ECONORAIL 4ER = 4" ECONORAIL	GA = GALVANIZED GN = GALVANNEAL S4 = 304 STAINLESS S6 = 316 STAINLESS	AZ = ALUMINIZED AL = ALUMINUM BI = BLACK IRON PVC = PVC COATED	Example: 24 22 = 22 GA 24 = 24 GA

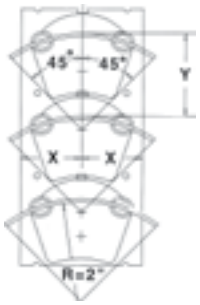
MONORAIL™



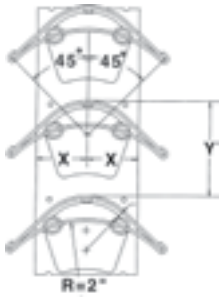
- Versatile single wall or double wall system
- Slotted for even spacing of vane
- Rigid design for reduced vibration
- No special tools required
- Tab Spacing - Conforms to SMACNA:
  2" Rail = 1½"
  4" Rail = 3¼"

SINGLE WALL		
PART NO.	X	Y
2MR	1-⅛"	1-½"
4MR	2-¼"	3-¼"

DOUBLE WALL		
PART NO.	X	Y
2MR	1-⅛"	1-½"
4MR	2-¼"	3-¼"



Single Wall



Double Wall

PACKAGING

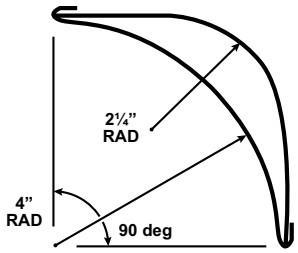
ITEM	PACKAGING	WEIGHT (per Box)
2" Rail	100'/Roll - 2 Roll/Box	40 Lbs.
4" Rail	100'/Roll - 1 Roll/Box	40 Lbs.

ORDERING INFORMATION EXAMPLE: **4MRGA24**

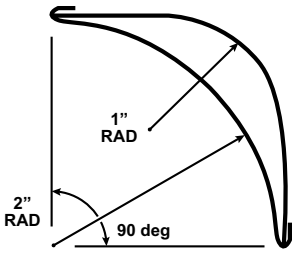
MONORAIL SIZE	ALLOY TYPE		GAUGES
2MR = 2" Monorail 4MR = 4" Monorail	GA = GALVANIZED AL = ALUMINUM	S4 = 304 STAINLESS S6 = 316 STAINLESS	24 = 24 GA

DOUBLE WALL TURNING VANE

4" Double Wall or Acoustical Vane



2" Double Wall Vane



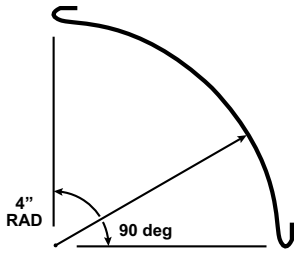
4" vane is available in two options:

1. **Standard Double Wall**
2. **Acoustical Vane**
   Sound-absorbing insulation inside perforated metal fascia.

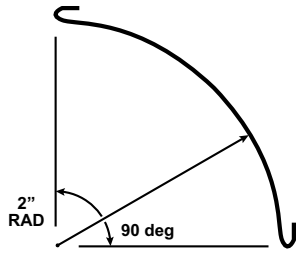
- Dimpled seam for superior strength
- Consistent product quality
- Union made in the U.S.A.

SINGLE WALL TURNING VANE

4" Single Wall Vane



2" Single Wall Vane



PACKAGING

ITEM	PACKAGING	WEIGHT (lbs/ft)
2" SINGLE WALL VANE	10'/EA-100'/bdl	.22
2" DOUBLE WALL VANE	10'/EA-100'/bdl	.43
4" VANE SINGLE WALL	10'/EA-50'/bdl	.65
4" DOUBLE WALL VANE	10'/EA-50'/bdl	1.3
4" DOUBLE WALL ACOUSTICAL VANE	10'/EA-50'/bdl	1.3

ORDERING INFORMATION EXAMPLE: **2VGA26**

VANE SIZE	ALLOY TYPE	GAUGES
• 2V = 2" Double Wall Vane • 4V = 4" Double Wall Vane • 4AV = 4" Double Wall Acoustical Vane • 4SWV = 4" Single Wall Vane • 2SWV = 2" Single Wall Vane	GA = GALVANIZED AL = ALUMINUM S4 = 304 STAINLESS S6 = 316 STAINLESS	22 = 22 GA (4" Single Wall Only) 24 = 24 GA (4" Double Wall Only) 26 = 26 GA (2" Double Wall Only) 24 = 24 GA (2" Single Wall Only)

PROseal®

Spec Sheets
Available here



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

PART NUMBER	PACKAGING	WEIGHT
PROSEALT	1/12 gallon (11oz.) tubes (25 tubes/case)	25 lbs./case
PROSEAL1	1 gallon pail (4 pails/case)	48 lbs./case
PROSEAL5	5 gallon pail	58 lbs./pail
PROSEAL55	54 gallon drum	639 lbs./drum

UL LISTED
UL-181B-M
MH26394

CLASSIFIED C UL US
CAULKINGS AND SEALANTS
R15020

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

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:	275,000 ± 25,000 cP
SHORE A HARDNESS:	>50
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

Spec Sheets
Available here

PROseal® Spray



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

PART NUMBER	PACKAGING	WEIGHT
PROSEALSPRAY5	5 gallon pail	60 lbs./pail
PROSEALSPRAY54	54 gallon drum	608 lbs./drum

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R15020

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

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 cP
SHORE A HARDNESS:	>50
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

FIBERseal®

Spec Sheets
Available here



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
- 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

PART NUMBER	PACKAGING	WEIGHT
FIBERSEALT	1/12 gallon (11oz.) tubes (25 tubes/case)	24 lbs./case
FIBERSEAL1	1 gallon pail (4 pails/case)	46 lbs./case
FIBERSEAL5	5 gallon pail	58 lbs./pail
FIBERSEAL55	54 gallon drum	639 lbs./drum

UL LISTED UL-181B-M MH26394

CLASSIFIED C UL US CAULKINGS AND SEALANTS R15020

GREENGUARD GOLD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818

CHEMICAL TYPE:	Synthetic Latex - Fiber Reinforced
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:	11.2 ± 0.3 lbs per gallon
SOLID CONTENTS:	62% ± 2%
VISCOSITY:	275,000 ± 25,000 cP
SHORE A HARDNESS:	>50
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

Spec Sheets
Available here



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 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

PART NUMBER	PACKAGING	WEIGHT
EVERSEALT	1/12 gallon (11oz.) tubes (25 tubes/case)	26 lbs./case
EVERSEAL1	1 gallon pail (4 pails/case)	48 lbs./case
EVERSEAL5	5 gallon pail	58 lbs./pail
EVERSEAL55	54 gallon drum	639 lbs./drum

UL LISTED UL-181B-M MH26394

CLASSIFIED C UL US CAULKINGS AND SEALANTS R15020

GREENGUARD GOLD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818

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 cP
SHORE A HARDNESS:	>50
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®

Spec Sheets
Available here



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

PART NUMBER	PACKAGING	WEIGHT
EZSEALT	1/12 gallon (11oz.) tubes (25 tubes/case)	25 lbs./case
EZSEAL1	1 gallon pail (4 pails/case)	47 lbs./case
EZSEAL5	5 gallon pail	58 lbs./pail
EZSEAL55	54 gallon drum	639 lbs./drum

UL LISTED
UL-181B-M
MH26394

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CAULKINGS AND SEALANTS
R15020

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

CHEMICAL TYPE:	Synthetic Latex- Fiber Reinforced
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 cP
SHORE A HARDNESS:	>50
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

Spec Sheets
Available here

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

Product must ship as a hazardous material

ORDERING INFORMATION

PART NUMBER	PACKAGING	WEIGHT
SOLVSEALT11LVOC	1/12 gallon (11oz.) tubes (24 tubes/case)	21 lbs./case
SOLVSEAL1LVOC	1 gallon pail (4 pails/case)	39 lbs./case

CHEMICAL TYPE:	Synthetic Rubber
COLOR:	Gray
TYPE:	Solvent based
ODOR:	Strong (wet); Mild (dry)
VOC CONTENT: *EPA Method 24*	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 cP
SHORE A HARDNESS:	>60
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: **ASTM D522 (1/8" Mandrel Bend)**	Pass
FREEZE THAW STABILITY:	Pass
FLASH POINT:	<73.4°F
SAG/SLUMP: **ASTM D2202**	Pass
COVERAGE:	Approximately 30 sq. ft. per gallon
SHELF LIFE:	1 year (unopened container)

Spec Sheets Available here

GECKO GLUE GOLD



CLASSIFIED C UL US

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

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



- 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)

Ordering Information

Part #	Description	Quantity & Weights
GECKOGLD5B	5 Gal - Black	1 - 5 Gal pail @ 45 lbs/pail
GECKOGLD54B	54 Gal - Black	1 - 54 Gal drum @ 494 lbs/drum
GECKOGLD275B	275 Gal - Black	1 - 275 Gal tote @ 2300 lbs/tote
GECKOGLD5W	5 Gal - White	1 - 5 Gal pail @ 45 lbs/pail
GECKOGLD54W	54 Gal - White	1 - 54 Gal drum @ 494 lbs/drum
GECKOGLD275W	275 Gal - White	1 - 275 Gal tote @ 2300 lbs/tote

CHEMICAL TYPE: Synthetic Latex
COLOR: Black or White
ODOR: Minimal
VOC CONTENT: Pass - Very Low
EPA Method 24
TVOC EMISSIONS: Pass
CDPH Standard Method v1.1
DENSITY: 10.2 ± 0.2 lbs. - gallon
SOLID CONTENTS: 65.0 ± 2%
VISCOSITY: 10,000 cP ± 2,000 cP
APPLICATION TEMPERATURE: 20°F to 90°F
STORAGE TEMPERATURE: 20°F to 90°F
DRY TIME: 8 minutes at 76°F
Depending on temperature, humidity, and recommended coverage
COVERAGE: Approximately 400 sq. ft./gal,
Depending on application technique
SHELF LIFE: 1 year (unopened container)
PACKAGING: Available in 5 or 54 gallons

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

Spec Sheets Available here

GECKO GLUE SILVER



CLASSIFIED C UL US

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

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

Ordering Information		
Part #	**Description**	**Quantity & Weights**
GECKOSILV5B	5 Gal - Black	1 - 5 Gal pail @ 45 lbs/pail
GECKOSILV54B	54 Gal - Black	1 - 54 Gal drum @ 494 lbs/drum
GECKOSILV275B	275 Gal - Black	1 - 275 Gal tote @ 2300 lbs/tote
GECKOSILV5W	5 Gal - White	1 - 5 Gal pail @ 45 lbs/pail
GECKOSILV54W	54 Gal - White	1 - 54 Gal drum @ 494 lbs/drum
GECKOSILV275W	275 Gal - White	1 - 275 Gal tote @ 2300 lbs/tote



- 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)

CHEMICAL TYPE: Synthetic Latex
COLOR: Black or White
ODOR: Minimal
VOC CONTENT: Pass - Very Low
EPA Method 24
TVOC EMISSIONS: Pass
CDPH Standard Method v1.1
DENSITY: 9.1 ± 0.2 lbs. - gallon
SOLIDS: 46.0 ± 1%
VISCOSITY: 4,000 cP ± 2,000 cP
APPLICATION TEMPERATURE: 20°F to 90°F
STORAGE TEMPERATURE: 20°F to 90°F
DRY TIME: 11 minutes at 76°F
Depending on temperature, humidity, and recommended coverage
COVERAGE: Approximately 400 sq. ft./gal,
Depending on application technique
SHELF LIFE: 1 year (unopened container)
PACKAGING: Available in 5, 54, or 275 gallons

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

Spec Sheets
Available here

GECKO GLUE CONCENTRATE



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 wtih 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
EPA Method 24	
TVOC EMISSIONS:	Pass
CDPH Standard Method v1.1	
DENSITY:	8.3 ± 0.1 lbs. - gallon
SOLID CONTENTS:	14.5 ± 2%
VISCOSITY:	2,000 cP ± 1,000 cP
APPLICATION TEMPERATURE:	20°F to 90°F
STORAGE TEMPERATURE:	20°F to 90°F
DRY TIME:	25 minutes at 76°F *Depending on temperature, humidity, and recommended coverage*
COVERAGE:	Approximately 400 sq. ft./gal, *Depending on application technique*
SHELF LIFE:	6 - 18 months *Depending on dilution date; contact manufacturer for details*
MASTER PACK CONTENTS:	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

QUICK-STICK™ CA

DUCT LINER ADHESIVE
CALIFORNIA COMPLIANT

Spec Sheets
Available here

DESCRIPTION

QuickStick CA is a quick tack, single application duct liner adhesive with excellent coverage and is 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.

SPECIAL CHARACTERISTICS

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

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. Apply as much even pressure as practical to ensure bond.
6. 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 60F, but below 120F. 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



TECHNICAL INFORMATION

PROPELLANT:	Methyl Acetate
FLAMMABILITY:	Flammable (Only in Wet State)
COLOR:	Yellow to Clear
SPRAY PATTERN:	Web
SOILDS:	30-38%
VOC CONTENT	43.13 g/L
TACK:	Extremely Aggressive Wet Tack Long, Permanent Dry Tack
DRY TIME:	2-4 minutes
COVERAGE:	≥ 4,000 sq.ft per 22L Canister*
SHELF LIFE:	18 Months
APPLICATION TEMPERATURE:	60-100° F
LEED STATUS	Passes EPA Method 24 and CDPH
MAXIMUM STORAGE TEMPERATURE:	120° F

* Based on single pass application with 80% to 100% substrate coverage
** Spray tip recommended is 9501B for 4" -14" Med/High build spray pattern.

PACKAGING AND ORDERING INFORMATION

ITEM NO.	DESCRIPTION	QUANTITY (LITERS)
QUICKSTICKCA7	7L Cylinder	1 EA @ 7L
QUICKSTICKCA22	22L Cylinder	1 EA @ 22L
QUICKSTICKCA108	108L Cylinder	1 EA @ 108L
QUICKSTICKCA216	216L Cylinder	1 EA @ 216L
ACCESSORIES		
QSAG	Adjustable Spray Gun	1
QSHW*	8', 12', 18' White Flexible Hose	1

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

QUICK-STICK™ CA

DUCT LINER ADHESIVE
CALIFORNIA COMPLIANT

Spec Sheets
Available here



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:	18 Months
APPLICATION TEMPERATURE:	60 - 100°F
MAXIMUM STORAGE TEMPERATURE:	120°F
LEED® STATUS	Passes EPA Method 24 and CDPH

PACKAGING AND ORDERING INFORMATION

ITEM NO.	DESCRIPTION	QTY/WEIGHTS
QUICKSTICKCAN13	13 oz. Can	(12) @ 15 lbs/case

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

QUICK-STICK™
FIBER GUARD
EDGE COATING



Spec Sheets
Available here

DESCRIPTION

Quick-Stick Fiber Guard is a quick, convenient aerosol edge coating spray that will encapsulate the leading edge or any tears or cuts in duct liner insulation, and also works with fiberglass duct board. Strong spray force allows the Quick Stick Fiber Guard to penetrate the duct insulation and provide a durable, non-tacky, permanent edge coating.

BASIC USE

Provide a highly durable, permanently flexible, non-tacky encapsulating edge coating to all types of HVAC insulations including, fiberglass, polyester, and elastomeric with great coverage per can.

SPECIAL CHARACTERISTICS

- Quick, convenient aerosol spray can, self-contained, disposable system
- Non-tacky finish when product is cured
- Strong spray force to penetrate duct insulation
- Quick, tack-free time
- Highly durable and flexible coating

DIRECTIONS FOR USE:

1. Be sure all surfaces are clean and free of grease, dirt, dust, etc.
2. Hold the spray can perpendicular to substrate, 4-6 inches away
3. Spray on to the leading edge, cuts, or tears in duct liner insulation; fiberglass, elastomeric, etc. or fiberglass duct board
4. Be sure to apply an even coating on the surface
5. Edge coating will be tack free and dry to touch in 15 minutes

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:	Aerosol
FLAMMABILITY:	Flammable (Only in Wet State)
COLOR:	Black
ODOR:	Light
SPRAY FORCE: (2 in. from substrate)	> 0.90 ozF
SOLIDS:	26-31%
DRY TACK (ASTM D195)	< 0.05 ozF
TACK FREE TIME:	< 15 minutes
SHELF LIFE:	12 Months
APPLICATION TEMPERATURE:	60 - 100°F
RELATIVE DENSITY:	0.938
COVERAGE: (based on single pass, 2 in. from substrate)	50 sq. ft. per can

PACKAGING AND ORDERING INFORMATION

ITEM NO.	DESCRIPTION	QTY/WEIGHTS
QSFIBERGUARD	13 oz. Can	(12) @ 15 lbs/case

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

LAG-IT™

Spec Sheets Available here

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

UL LISTED
UL-181B-M
MH26394

CLASSIFIED C UL US
CAULKINGS AND SEALANTS
R15020

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

PACKAGING & ORDERING INFORMATION

PART NUMBER	DESCRIPTION	QUANTITY	WEIGHTS
LAGIT1B	LAGIT 1-GAL GRAY	(4) 1 GAL PAILS	45 LBS/CS
LAGIT5B	LAGIT 5-GAL GRAY	(1) 5 GAL PAIL	64 LBS/PAIL
LAGIT1W	LAGIT 1-GAL WHITE	(4) 1 GAL PAILS	45 LBS/CS
LAGIT5W	LAGIT 5-GAL WHITE	(1) 5 GAL PAIL	64 LBS/PAIL

CHEMICAL TYPE:	Synthetic Latex
COLOR:	White or 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:	80,000 +/- 20,000 cP
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
UL TESTED COVERAGE:	25 sq. ft./gal. at 1/16" 50 sq. ft./gal. at 1/32"
RECOMMENDED COVERAGE:	50 - 80 sq. ft. depending on coating (65-80 sq. ft. / gallon for tack coat and 50-65 sq.ft./gallon for top coat)
SHELF LIFE:	1 year (unopened container)
PACKAGING:	1 gallon pail, 5 gallon pail
SPRAYER SETTINGS:	Spray Tip - 121 • 2" Spray Pattern • 0.021" Orifice Optimum Pressure Range • 1250 - 1500 p.s.i.

SUPER LINER SEAL™

Spec Sheets
Available here

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



CLASSIFIED C UL US
CAULKINGS AND SEALANTS
51RF

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

- 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.

PACKAGING & ORDERING INFORMATION

PART NUMBER	DESCRIPTION	QUANTITY	WEIGHTS
SLS5W	S.L.S. 5-GAL WHITE	1-5 GAL PAIL	45 LBS/PAIL
SLS5B	S.L.S. 5-GAL BLACK	1-5 GAL PAIL	45 LBS/PAIL
SLS54W	S.L.S. 54 GAL WHITE	1-54 GAL DRUM	494 LBS/DRUM
SLS54B	S.L.S. 54-GAL BLACK	1-54 GAL DRUM	494 LBS/DRUM

CHEMICAL TYPE:	Synthetic Latex
COLOR:	Black or White
ODOR:	Minimal
VOC CONTENT: EPA Method 24	Pass - Very Low
TVOC: CDPH Standard Method v1.1	Pass
DENSITY:	9.1 +/- 0.2 lbs. - gallon
MOLD AND MILDEW RESISTANCE	
ASTM G21:	Pass
ASTM Method D4300-1:	Pass
ASTM D2574:	Pass
SOLIDS:	46% +/- 2%
VISCOSITY:	12,000 cP +/- 2,000 cP
APPLICATION TEMPERATURE:	20°F to 90°F
STORAGE TEMPERATURE:	20°F to 90°F
DRY TIME:	11 minutes at 76°F *Application 4 mils film thickness*
SHELF LIFE:	1 year *(unopened containers)*
PACKAGING:	Available in 5 or 54 gallons

5511M™ Seam Sealer

Spec Sheets
Available here

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.



LEED® COMPLIANT, MEETS ALL APPLICABLE SCAQMD STANDARDS

CLASSIFIED UL®

UL723 (ASTM E-84-80) Test Data:

Flame Spread: 5
Fuel Contribution: 0
Smoke Density: 0

TYPICAL PHYSICAL PROPERTIES AND TECHNICAL INFORMATION

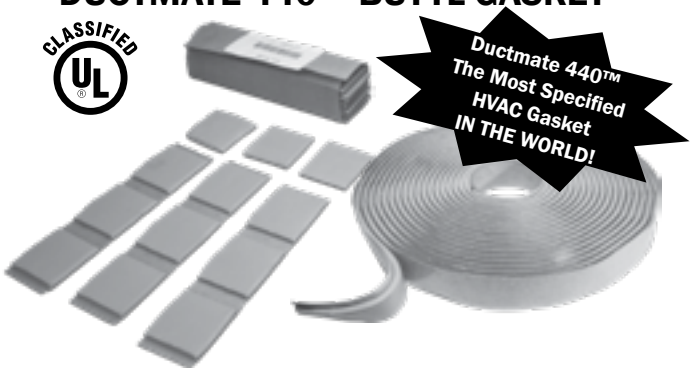
% SOLIDS:	≥ 90%
COLOR:	Off white to grey
WEIGHT per GALLON:	12.7 lbs ± 0.3
SHELF LIFE:	Indefinite (Unopened Container)
SERVICE TEMPERATURE:	0°F to 200°F
EXTRUDABILITY: *ASTM D2452*	4 s/mL (Approximately)
SLUMP: *ASTM D2202*	0 - 0.1 inches
APPLICATION METHOD:	Hand or power pump equipment

ORDERING INFORMATION

PART #	PACKAGING	Shipping Weight
5511 M-55 W	52 gal (196.84 liters)	584 lbs/drum
5511M5	5 gal (19 liters)	57 lbs/pail

Ductmate System Gaskets

DUCTMATE 440™ BUTYL GASKET



Ductmate 440 is a non-skinning, non-drying synthetic polymer based sealing tape, capable of withstanding joint movement without cracking.

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

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.

PERFORMANCE PROPERTIES:	
COLOR:	Tan
TENSILE:	> 6.5 psi
TENSILE AFTER AGING:	Δ < 15%
ELONGATION:	> 900%
ELONGATION AFTER AGING:	Δ < 15%
DENSITY:	14 lb/gal
% SOLIDS:	> 99
SHEAR ADHESION:	> 5.5 lbs
COLD FLEXIBILITY: ASTM C765	Pass
WATER RESISTANCE:	Hydrophobic
SERVICE TEMPERATURE:	0°F to 190°F
APPLICATION TEMPERATURE:	Above 40°F
DIMENSIONAL TOLERANCES:	Tape Width 5/8" ±1/32"
SHELF LIFE:	24 Months When stored below 80°F
U.S.D.A ACCEPTABILITY:	Product chemically acceptable to the U.S. Department of Agriculture for use in meat and poultry processing areas under Federal inspection.
F.D.A REQUIREMENTS: 21CFR175.105	Meets requirements
FEDERAL SPECIFICATIONS: TT-C- 1796A, (Supersedes MILC- 18909B & 18969B)	Type II, Class B

ORDERING INFORMATION

PART #	PACKAGING
440 3/16 X 5/8	(20) 25 ft/rolls 500 ft/case @ 45 lbs/case
440 3/16 X 1 (used w/ DM45)	(16) 25 ft/rolls 400 ft/case @ 53 lbs/case
440 3X2X1/8	512 Patches @ 22 lbs/case
440 2X2X3/16	120 Patches @ 7 lbs/case

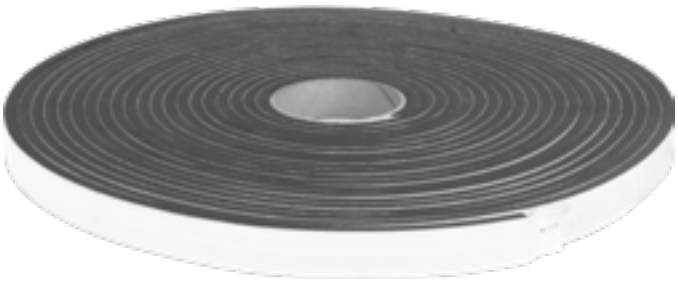
STICKY TAPE GASKET



Part Number: STICKY TAPE

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

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	
Low (Flex without cracking):	-40°F
High continuous:	200°F
High intermittent:	250°F
UL 94 HF-1-Passes	

ORDERING INFORMATION

PART #	PACKAGING
NEO 5/16 X 3/4 (RECOMMENDED FOR SPIRALMATE & ECONOFLANGE ROUND & OVAL)	(15) 50 ft/rolls 750 ft/case 15 lbs/case
NEO 5/16 X 1 (Used with DM45)	(20) 50 ft/rolls 1000 ft/case 23 lbs/case
VM GASKET-L 5/16 X 1 1/4	(19) 50 ft rolls 950 ft/case 21 lbs/case

Spec Sheets
Available here



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.

- High Noise Reduction Coefficient (NRC) value
- Smooth and extremely durable facing
- Made of soft user friendly and hypoallergenic polyester
- Engineered for application with water based adhesives
- Labor saving alternative to elastomeric duct liner
- Made with recycled content
- Mildew and mold resistant
- Light weight design with excellent rebound
- Can be installed utilizing standard insulation application methods
- Can be used in spiral duct work

SOUND ABSORPTION COEFFICIENTS AT FREQUENCY - ASTM Standard C423

PolyArmor

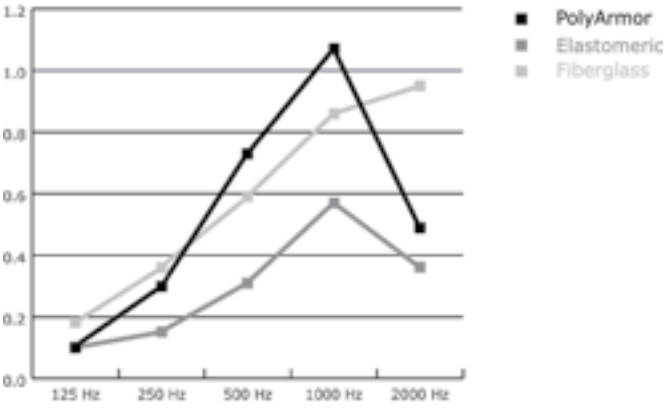
Material	125 Hz	250 Hz	500 Hz	1,000 Hz	2,000 Hz	NRC
Min. 1”	0.10	0.30	0.73	1.07	0.49	0.65

Elastomeric

Material	125 Hz	250 Hz	500 Hz	1,000 Hz	2,000 Hz	NRC
Min. 1”	0.10	0.15	0.31	0.57	0.36	0.35

Fiberglass

Material	125 Hz	250 Hz	500 Hz	1,000 Hz	2,000 Hz	NRC
Min. 1”	0.18	0.36	0.59	0.86	0.95	0.70



TECHNICAL SPECIFICATIONS

Item	Test Method	Result
Thermal resistance 1” material, ft2.F.hr/Btu 1½” material, ft2.F.hr/Btu 2” material, ft2.F.hr/Btu 3” material, ft2.F.hr/Btu	ASTM C518, 75 F	 R-4.2 R-6 R-8 R-12
Surface burning characteristics Flame spread index Smoke developed	ASTM E84	 <25 <50
Density, lb/ft3 1” material 1½” material 2” material 3” material	ASTM D 1667	 1.6 1.5 1.4 1.2
Corrosiveness	ASTM C665	Pass
Fungi Resistance	ASTM C1338	Pass
Mold Growth	ASTM G-21/UL 181	Meets Requirements
Odor	ASTM C1304	Pass
Moisture vapor absorption, %	ASTM C1104	0.24
Temperature Resistance Upper Limit	ASTM C411	Up to 250°F
Erosion Resistance	ASTM C 1071 (tested to maximum throughput of 10,000 fpm)	Rating 4,000 fpm
Smoke density and toxicity Density, optical Ds at 4 minutes Toxicity, ppm CO HBr, HCl, HCN, HF, NOx, So2	ASTM E662/ ASTM E800 ASTM E662 flaming (non flaming) ASTM E800 (flaming exposure)	 2.5 (0.54) 21 0
Volatile Organic Compound (VOC), ppm	ASTM D5116 (CA1350)	0
Greenguard® Environmental Institute		Compliant, CS

STANDARD SIZES

Width	R-Value, Thickness, And Length				
	R-4.2 1”x 100’	R-6 1½”x 50’	R-8 2”x 50’	R-12* 3”x 50’	
47.5”	PA475F1W100	PA475F15W50	PA475F2W50	PA475F3W50	Part Number
48”	PA48F1W100	PA48F15W50	PA48F2W50	PA48F3W50	
56.25”	PA5625F1W100	PA5625F15W50	PA5625F2W50	PA5625F3W50	
59”	PA59F1W100	PA59F15W50	PA59F2W50	PA59F3W50	
60”	PA60F1W100	PA60F15W50	PA60F2W50	PA60F3W50	

* Please contact us for more information and availability of our 3” PolyArmor

PROGUARD™



BULK PRICING AVAILABLE

- 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

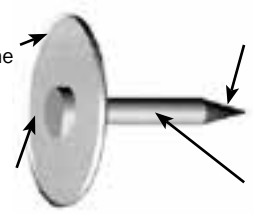
DON'T FORGET A DUCT GUARD HAND SAVER

Part # **DGHS**



Item #	Grade	Dimension	Packaging
Color - Blue			
PG24B	Standard	24" x 200' x 2.5 Mil	6 rolls/box
PG24BR	Standard Reverse Wound	24" x 200' x 2.5 Mil	6 rolls/box
PG24B-2M	Standard 2 Mil	24" x 200' x 2 Mil	6 rolls/box
PG36B	Standard	36" x 200' x 2.5 Mil	6 roll/box
PG36BR	Standard Reverse Wound	36" x 200' x 2.5 Mil	6 roll/box
PG36B-2M	Standard 2 Mil	36" x 200' x 2 Mil	6 roll/box
PG48B	Standard	48" x 200' x 2.5 Mil	6 roll/box
PG48B-2M	Standard 2 Mil	48" x 200' x 2 Mil	6 roll/box
PG60B-2M	Standard 2 Mil	60" x 200' x 2 Mil	Special Order - Not Stocked
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

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 machines'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.

Fastener Size	Recommended For
1/2"	1/2" Insulation - All Densities
3/4"	1" Insulation - 1 1/2 lb. Density
1"	1" Insulation - 3 lb. Density
1 1/8"	1" Insulation - 4-6 lb. Density
1 1/2"	1 1/2" Insulation - 1 1/2 lb. Density
2"	2" Insulation - 1 1/2 lb. Density

FEATURES

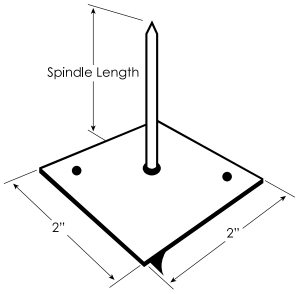
- Can be used with multi-head, automatic-feed, single-head, dual-head, and portable systems
- Cupped head prevents liner tears
- Provides strength and weld consistency
- Superior strength
- Unmatched product consistency
- Superior design helps reduce misfires
- Cupped head reduces jams and down time
- Available in a variety of sizes and packaging
- Reduces welding time
- Designed to provide complete sheet to pin fusion
- All Ductmate pins are electroplate galvanized
- All pins are 10 gauge
- Manufactured in the USA

PACKAGING & ORDERING INFORMATION

Part No.	Description	Qty.	Packaging
WP.5GA10C5	1/2" Weld Pin	5,000	Box
WP.5GA10P5	1/2" Weld Pin	5,000	5 Gal. Pail
WP.75GA10C5	3/4" Weld Pin	5,000	Box
WP.75GA10P5	3/4" Weld Pin	5,000	5 Gal. Pail
WP1GA10C5	1" Weld Pin	5,000	Box
WP1GA10P5	1" Weld Pin	5,000	5 Gal. Pail
WP1.125GA10C3	1 1/8" Weld Pin	3,000	Box
WP1.125GA10P3	1 1/8" Weld Pin	3,000	5 Gal. Pail
WP1.5GA10C3	1 1/2" Weld Pin	3,000	Box
WP1.5GA10P3	1 1/2" Weld Pin	3,000	5 Gal. Pail
WP2GA10C3	2" Weld Pin	3,000	Box
WP2GA10P3	2" Weld Pin	3,000	5 Gal. Pail

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

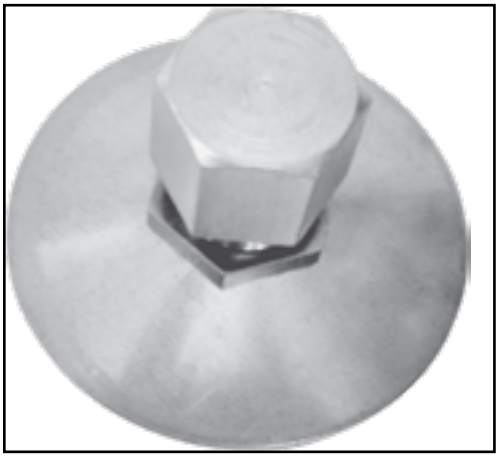
- Fasteners and self-locking washers are manufactured from low carbon galvanized steel.
- All spindles are 12 gauge. Other spindle lengths, gauges and materials are available upon request.
- Washers measure 1¼" X 1⅛"
- Load per anchor should not exceed 3 lbs.
- Operating temperature should not exceed 150ºF
- Application temperature should exceed 40ºF
- Shelf life is estimated at 2 years if hangers are stored at room temperature and at 50% relative humidity.

PACKAGING & ORDERING INFORMATION

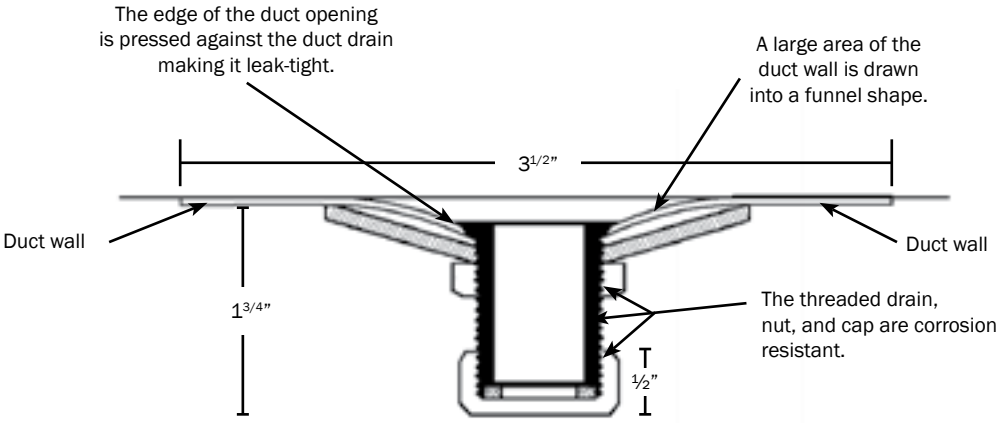
Part No.	Description	Packaging
IH.75GA5CB	.75" PRESS ON HANGER GA	500/Box
IH1.25GA5CB	1.25" PRESS ON HANGER GA	500/Box
IH2GA5CB	2" PRESS ON HANGER GA	500/Box
IH2.5GA5CB	2.5" PRESS ON HANGER GA	500/Box
IHS125GA	1.25" x 1.125" Self Locking Washer GA	1,000/Box
Other Spindle Lengths available upon request.		

MOISTURE DRAINS

Spec Sheets
Available here







- 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.

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

MOISTURE DRAIN	DIAMETER OF MPT PIPE	DIA. OF HOLE IN DUCTWALL	DIAMETER OF FUNNEL	TOTAL HEIGHT WITHOUT CAP
3/4"	3/4"	1-1/16" (27 MM)	3-1/2" (86 MM)	1-1/2" (40 MM)

SHIPPING INFORMATION

PART NO.	MOISTURE DRAIN	PACKING UNIT	UNIT WEIGHT
MD75GAK	¾" DRAIN FITTINGS AND CAPS	1 SET	10.24 Oz

BANGIT™ DAMPER BLADE ASSEMBLIES & HARDWARE



BANGIT DAMPER ASSEMBLY

Part No.	For Duct Size	QTY/CTN
DBLR3GASDH	3"	20
DBLR4GASDH	4"	20
DBLR5GASDH	5"	20
DBLR6GASDH	6"	20
DBLR7GASDH	7"	20
DBLR8GASDH	8"	20
DBLR9GASDH	9"	20
DBLR10GASDH	10"	20
DBLR12GASDH	12"	15
DBLR14GASDH	14"	15
DBLR16GASDH	16"	15
DBLR18GASDH	18"	15
DBLR20GASDH	20"	15
DBLR22GASDH	22"	15
DBLR24GASDH	24"	15

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



Stationary Hardware



Flat Washer



Spring Loaded Hardware



Damper Blade Handle



Wing Nut

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	Ordering Information		
	Part Number	Box Quantity	Box Weight
Spring Loaded Hardware Precision stamped galvanized damper clip. Superior spring loaded design for labor saving installation. Engineered with an oversized point for increased strength.	BDHBSC	1,250	77 Lbs.
Stationary Hardware Precision stamped galvanized damper clip, with threaded post for easy installation. Engineered with an oversized point for increased strength.	BDHBC	2,500	71 Lbs.
Flat Washer Stamped from galvanized steel for increased strength and corrosion resistance.	BDHBW	10,000	43 Lbs.
Damper Blade Handle Stamped from galvanized steel for increased strength and corrosion resistance. Allows for fast and easy adjustment of the dampers. (BDHBH is used on Spring Loaded Hardware)	BDHBH	2,500	82 Lbs.
Wing Nut This galvanized steel wing nut is die cast for superior strength and reliability.	BDHBWN	3,000	54 Lbs.
BANGIT Hardware Comes completely assembled with 2-Springs Clips, Handle, washer and wingnut	DBLR_GASDH	N/A	N/A

HiTex™

self-drilling fasteners

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

Part Number: WSDS31034
Box Quantity: 5000



PROscrew



Hex Washer Self-Drilling

PART#	DESCRIPTION	PACKAGING
SDS31034MB	10-16 X 3/4 #3 SELF DRILL SCREW	1,000/BOX



Carriage Bolts



PART#	DESCRIPTION
CBGA	CARRIAGE BOLT & NUT 3/8-16x1"ZP
CBGA-DOM	DOMESTIC CARRIAGE BOLT & NUT 3/8-16x1"ZP
CBS4	CARRIAGE BOLT & NUT 3/8-16x1" S/S 304
CBS6	CARRIAGE BOLT & NUT 3/8-16x1" S/S 316
CBAL	CARRIAGE BOLT & NUT 3/8-16x1" ALUMINIUM
CBGA45	DM45 BOLT & NUT 1/2"-13x 1-1/2"
BOLTS DC25	CARRIAGE BOLTS & NUT 5/16-18x1"



Nylon Bolt

PART#	DESCRIPTION	PACKAGING
HEXBN38NY	3/8-16 X 1 NYLON HEX BOLT	SPECIAL ORDER
HEXBWN38NY	3/8-16 X 1 NYLON HEX BOLT W/ WINGNUT	

Universalscrew

9/16" and 5/16" High Hat Screw
1" and 1½" Screws



* For sale with the Rapidmate Corner only

PART#	DESCRIPTION	PACKAGING
SCREW3/8-12X1	SCREW 3/8-12x1, 9/16	500/PAIL
SCREW3/8-12X1.5	SCREW 3/8-12x1.5, 9/16	500/PAIL
SCREW3/8X1TH	SCREW 3/8-12X1, 5/16	500/PAIL
SCREW3/8X1.5TH	SCREW 3/8-12X1.5, 5/16	500/PAIL
NUTDRV9/16	9/16 SCREW DRILL SOCKET	Sold Individually*

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

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 4200 for Spiralmate,
- *Econonflange, and Ventmate)*
- Operating pressures: 70-120 psi

REPEATER 6100

Features:
- Depth of drive adjustment
- 360° adjustable exhaust deflector
- Anti-Double fire mechanism
- Shock absorbing comfort rubber handle

Fastener Specifications:
- 3/4" Zinc plated nail
- Washer style collation
-

Ordering Information:
- Part Number: SENCO3/4PINS
- Pins Per Case: 5000
- Used with DM45 Flange Only
- Operating Pressure is 70-120 Psi



SAVE TIME & MONEY WITH TOOLS FROM DUCTMATE

Ductmate® System Alignment Grip Tool

Reduce onsite installation time for rectangular duct and TDC/TDF confirguations. This tool uses the holes in the Ductmate corners to quickly align and compress mating ductwork allowing for fast and easy installation.



Part Number:
AG2000

Ductmate System Cleater® 1 and 2 Tools

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.



Part Numbers:
CLEATER1 / CLEATER2

Ductmate System Versa-Cleater Tool

Versatile tool to attach the Ductmate Versa-Cleat to Ductmate 35, 45, or TDC (and some TDF) profiles.



Part Number:
VERSA TOOL

PolyArmor™ Tools

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.



Cardinal 534



Falcon 548

Spiralmate® System Alignment Grip Tool

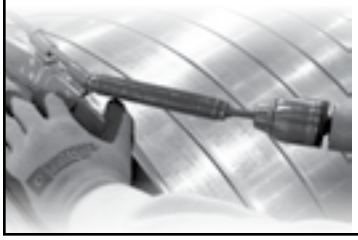
These customized vise grips work in conjunction with Ductmate's Spiralmate system to quickly align mating duct sections, reducing time manpower and cost. This tool is a must for any large installer of round duct.



Part Number:
AG2001

Spiralmate® System Nut Runners

Custom deep dish sockets designed to open and close the Spiralmate Closure Band. Available in two sizes 7/16" small and 9/16" large.



Part Numbers:
NUTRUNS/NUTRUNL

Snapper Cleat Tool

The Snapper1 is the ideal tool for attaching cleat to the WDCI Flange, or TDC/TDF Cleat to the flange profile.



Part Number:
Snapper1

Cable Shark® System Tools*

The Cable Shark Cable Cutters (HFWRC + HWRC) and the Cable Shark Load Adjuster (CSDSTOOL) were engineered to make working with the Cable Shark Cable Hanging System easier. The cutters were specifically designed to cut CSW125 and CSW250 Cable Shark Cable without causing the cable ends to fray. The Load Adjuster easily releases the locking boar on CS125 and CS250 Cable Sharks allowing for adjustments to be made.

** Please see detailed Cable Shark Installation Instructions before using Cable Shark or Cable Shark Tools.*



Part Numbers:
HFWRC/HWRC/CSDSTOOL

BULLET BAND™

SELF SEALED DUCT FITTINGS

From DUCTMATE®

Online Catalog Available Here

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



3-Lip Gasket



Duct-Mounted Register



Gored 90° Elbow



Stamped 45° Elbow



Saddle Tap



Balancing Damper

Concentric Reducer





Duct Coupling

Print Catalog Available!

One Source.
Infinite Solutions.



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 indust ry 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.

DUCTMATE® Industries
A DMI COMPANY

For more information about our complete line of products and services, call or visit us online.
1-800-245-3188 | www.ductmate.com