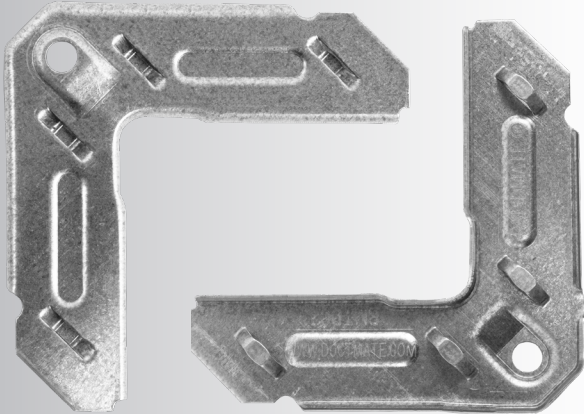


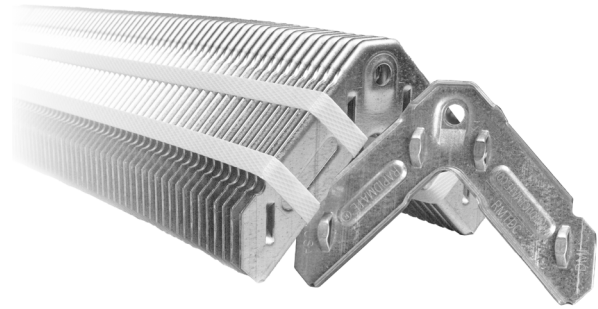
**Rapidmate**®



**T.D.C.® /T.D.F.® Formed-on Flange Systems**



**Patented Strap-Pak® Magazine**



**Slide-On Flange Systems**



**High Hat Screw**



**Corner System**

**The Most Advanced Labor Saving Corner Lineup**

- 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 Corners Union Made in America



Visit our website for more information:



# Rapidmate® Corner System

## DESCRIPTION

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

Available in 5 individual corner design configurations, each Rapidmate corner precisely matches the specific profile and dimensions of the respective Slide-on (DM35 / WDCI J) and Formed-on (TDC/TDF) rectangular connector system.

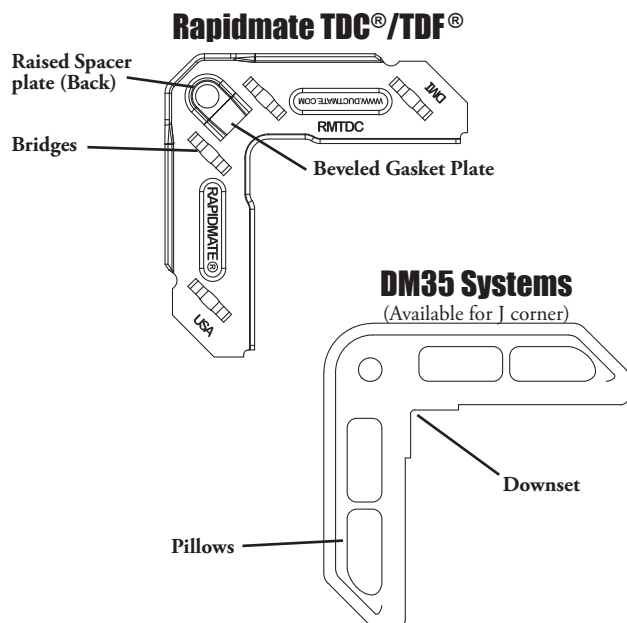
All Rapidmate corners are designed for use with any 3/8" - 12, ASME B18.6.3 Type AB screws. Duct systems utilizing both "Formed-on" and "Slide-on" connections can be easily aligned and connected without alignment tools.

## BASIC USE

Method of connecting and installing Slide-on (DM35 / WDCI J) and Formed-on (TDC / TDF) rectangular flange systems without the use of traditional nut and bolt fastener.

## TECHNICAL INFORMATION

- All Rapidmate corners are precision stamped and engineered for each flange system.
- Manufactured from high quality, U.S. made steel.
- DM35 Slide-on corners available in 16 ga. or 12 ga. steel.
- WDCI J Corners made of 11 ga. steel.
- Formed-on (TDC/TDF) corners made of 16 ga. steel.



## SPECIAL CHARACTERISTICS

- Rapidly align, connect, fasten, and secure duct sections together.
- Simplifies and reduces installation time in the field.
- Eliminates nuts and bolts for quicker connections and reduced labor.
- Available in Slide-on flange profiles (DM35 & WDCI J) and formed-on flange profiles (TDC - T25a / TDF - T25b) designs.

### TDC® / TDF® Formed-On Corner features

- Available in both Strap-Pak 80 magazine and standard packaging.
- Beveled gasket plate guide helps ensure proper gasket placement at corner.
- Raised spacer plate ensures proper corner spacing and gasket compression.
- Advanced bridge design replaces traditional corner tabs providing even load support, consistent corner spacing and uniform stack for smoother corner insertion while virtually eliminating jamming and costly down time.
- Formed-on TDC / TDF fits all Automatic machinery and profiles.
- The fastest, most efficient way of reloading TDC/TDF corner-inserting machinery in the HVAC industry.
- The patented Strap-Pak Corner magazine uniformly aligns and secures 80 corners, reloads 3X faster than traditional corner packaging, and reduces labor, loading and lost production time.

### DM 35 / WDCI™ J Slide-On Corner features

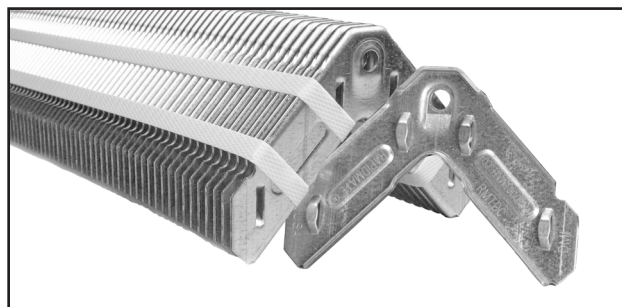
- DM35 Rapidmate 3A corner has an exclusive downset feature to ensure superior seal at duct & corner and an Embossed Pillow design for enhanced corner strength and fit.
- DM35 12 ga. heavy corner for added strength.
- WDCI J 11 ga. corner for added strength.

### Common Corner Features

- Union made in America with U.S. made steel.
- Special alloys: Available in GA, GN, AZ, PVC coated. Consult factory for all alloy options and availability.

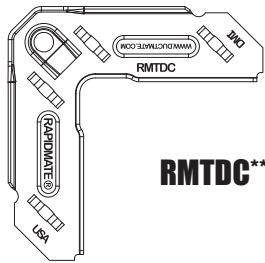
## Strap-Pak® Corners

The Fastest, most efficient way of reloading TDC/TDF corner-inserting machinery in the HVAC industry. Cornermatic® Strap-Pak® Magazines reload at least three times faster than traditional corner packaging, reducing both loading time and lost production time.

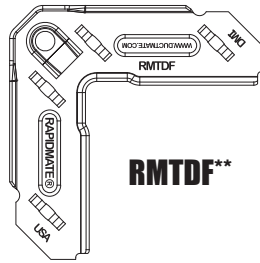


# Rapidmate® Corner System

## Formed-On Flange Corners



**RMTDC\*\***



**RMTDF\*\***

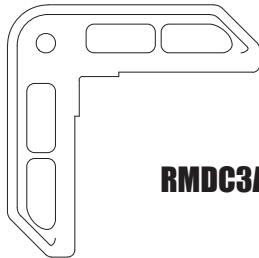
## T.D.C.® and T.D.F.® Flange

- 16 ga. corner for T.D.C. and T.D.F.
- Available in Strap-Pak® magazines for rapid machine loading
- Advanced bridge design for enhanced corner insertion
- Gasket Plate gasketing guide and proper compression
- Fits all Automatic machinery or manual insertion
- Rapidmate Strap-Pak®: 80 / sleeve – 5 sleeves / box
- Rapidmate Standard: 250 corners / box
- Available in specialty alloys

## Slide-On Flange Corners

### DM35 System

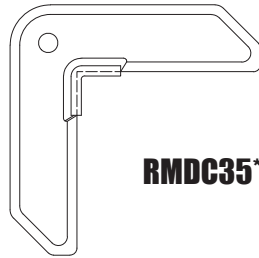
- 16 ga. for use on Ductmate 35 Slide-On System
- Pillow Embossing for secure flange fit
- Available in specialty alloys
- Rapidmate 3A Corners: 250 / box



**RMDC3A\*\***

### DM35 System

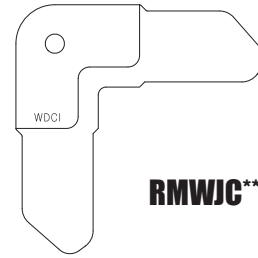
- Heavy 12 ga. corner
- Ideal for large and heavy gauge duct systems
- Available in specialty alloys
- Rapidmate DM35 Corners: 200 / box



**RMDC35\*\***

### WDCI™ J System

- Heavy 11 ga. corner
- Available in specialty alloys
- Rapidmate WDCI J Corners: 200 / box
- Ideal for large and heavy gauge duct systems



**RMWJC\*\***

## PACKAGING INFORMATION

### FORMED-ON FLANGE (Screws sold separately)

PART NO.	DESCRIPTION	BOX QTY	SKID QTY
RMTDC**	Rapidmate TDC Corner	250	64 BOXES
RMTDF**	Rapidmate TDF Corner	250	64 BOXES
RMTDC**STPK	Rapidmate StrapPak C Corner	400	40 BOXES
RMTDF**STPK	Rapidmate StrapPak F Corner	400	40 BOXES

### SLIDE-ON FLANGE (Screws sold separately)

PART NO.	DESCRIPTION	BOX QTY	SKID QTY
RMDC3A**	Rapidmate DC3A Corner	250	64 BOXES
RMDC35**	Rapidmate DC35 Corner	200	80 BOXES
RMWJCGANS	Rapidmate WJ Corner	200	64 BOXES

### HARDWARE

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*

### AVAILABLE ALLOYS\*\*

GA= GALVANIZED GN= GALVANNEAL PVC= PVC COATED AZ= ALUMINIZED

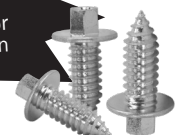
\* 9/16" screws come with nut driver

## High Hat Screws



- Fits all Rapidmate corner options
- 3/8" - 12, ASME B18.6.3
- 9/16" Head
- 1" and 1.5" inch Type AB screws

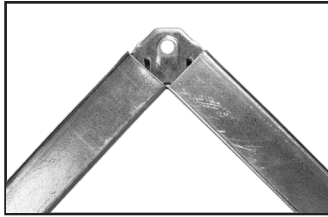
**5/16" Head AB Screw Available soon**  
Contact a Distributor for more information



## INSTALLATION INSTRUCTIONS

### TDC®/TDF® Formed-on Flange System

**Step 1: Insert Rapidmate® corner into the flanges**



**Step 2: Apply gasket, ensure gasket is in front of bevel covering three critical points**



**\*Step 3: Align duct, insert screw, and tighten**



**Step 4: TDC/TDF connections, apply 6" cleat, 15" O.C for 3" W.g or less and 12" O.C for higher pressures. (SMACNA)**



**Step 5: Assembled Rapidmate TDC/TDF Corner connection**

**\*Important Note:**

- The 3/8" – 12 ASME / B18.6.3 Type AB screws have not been tested for use with other manufacturer's Screw Type Corners and fastener systems.
- When making connections where the Rapidmate Corner System is mating to other manufacturers corner system, the screw should pass through the non-Rapidmate corner and terminate (engage) the Rapidmate corner last for best results. Consult Ductmate for more information about corner system(s) compatibility.

## LIMITED PRODUCT WARRANTY

Ductmate warrants that Rapidmate® corners, when properly installed and maintained as directed, 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 Rapidmate® Corner, 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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Ductmate Is A Proud Member Of The Following Organizations:



## ACCESSORIES

### Screws

Standard 3/8" - 12 ASME  
B18.6.3 Type AB Screws



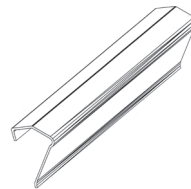
### 9/16" Nut Driver

NUTDRV9/16  
9/16 SCREW DRILL SOCKET



### Versa-Cleat™

Versa-Cleat is a snap-on cleat for TDC, DM35, and some TDF profiles



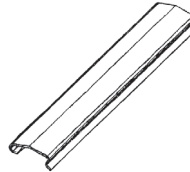
### Versa-Cleat Tool

Versa Cleater Tool used to install Versa-Cleat



### TDF Cleat

A snap-on cleat for TDF profiles



### Cleat Tool

Cleater Tool used to install TDF Cleat



### Sticky Tape

High performance, non-hardening butyl gasket tape with anti-fungal and anti-bacterial properties



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