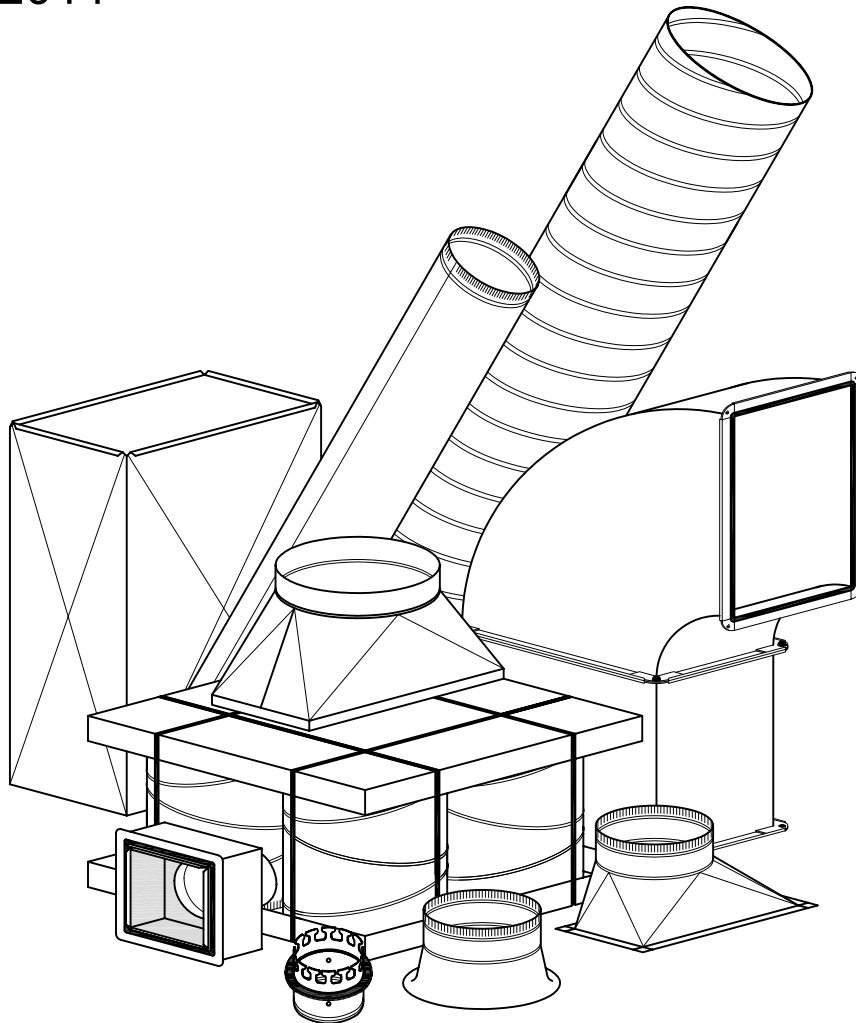




Residential and Commercial Air Duct Products  
Catalog No. 25  
April 2011



Serving the HVAC Industry Since 1964

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# Residential and Commercial Air Duct Products

## INDEX

### Residential Products

Page	Contents
1	Snaplock Pipe, SMACNA Gauge Requirements, Aluminum Flexible Pipe
2	Adjustable Elbows and Angles, Tees, Reducers, Wyes
3	Takeoffs for Round and Rectangular Steel Duct, Register Boots and Boxes
4	Starting Collars; No. 261 Series, No. 720 Series, No. 650 Series
5	Starting Collars; No. 616 Series, Round Damper Sleeves, Flex Duct Connector, Backup Ring, and No. 620 Series
6	Starting Collars; No. 310 Series and No. 311 Series
7	Starting Collars; No. 710 Series and No. 711 Series
8	Insulated Register Boots and Boxes, R-4.2 and R-6.0
9	Insulated Register Boxes, R-6.0 & R-8.0 and Boxes with Gasket
10	Ceiling Radiation Damper Boxes
11	The Dryerbox and Exhaust Vents
12	Stands for Air Handler Units, Condensing Unit Tie Down Brackets
13	Radius Plenums, Drain Pans, Unit Adapters, Duct Board Boxes, Plenum Box Legs
14	Filter Housings, Can Stock, End Cap, Manual Volume Damper, Condensing Unit Cover, Line Covers and Expand-O-Duct
15	Plenums, Square to Round Transitions, Round Flex Connectors
16	Passive Return Sleeves, Duct Hangers, Mounting Brackets
17	Vent Tops, Flashings, Wallstack and Fittings
18	Mobile Home Duct Work Fittings and Duct Kits

### Commercial Products

19	Commercial Duct Full Service Provider Information
20	Rectangular Duct and Fittings: S-Lock & Drive Type and Bolt Together Type B
21	Single Wall Spiral Duct Work
22	Double Wall Spiral Duct Work
23	Turning Vane & Vane Rail, Transverse Duct Connectors, Slot Diffuser Plenums
24	Access Doors and Ceiling Diffuser Adapters
25-29	Commercial Takeoff Fittings

### RETURN POLICY

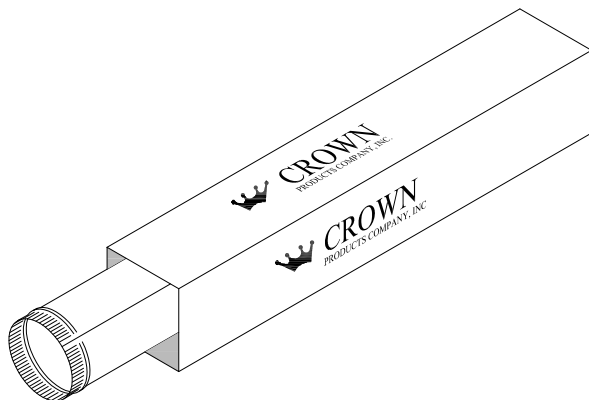
All returned material must be approved by Crown Products Company, Inc., prior to returning. A **"Product Return Request Form"** must be completed and returned with the material. Non-stock items may not be returned. A 15% restocking fee will be applied to all accepted returns.

### WARRANTY

Crown Products Company, Inc. warrants that the air ducts and fittings it manufactures are produced in accordance with the standards and specifications shown in this catalog. No warranty of suitability for any particular purpose, nor any other presentation or warranty, whether expressed or implied, is made respecting these products.

## SNAPLOCK PIPE

**Galvanized Steel**



**101 SNAPLOCK PIPE**

**Sizes: 3" through 30" diameter**

DIAMETER	LENGTH	PACKAGING
3" - 14"	2 Ft.	20' per bundle
3" - 9"	5 Ft.	50' per carton
10" - 14"	5 Ft.	30' per bundle
12" - 20"	3 Ft.	30' per bundle
22" - 30"	3 & 4 Ft.	No Standard Packaging

**Gauges:**

Pipe is available in U.S. Gauges  
 30 ga. thru 24 ga. in Reeves Snaplock  
 22 ga. in ACME Lock (Hammerlock)

## SMACNA GAUGE REQUIREMENTS

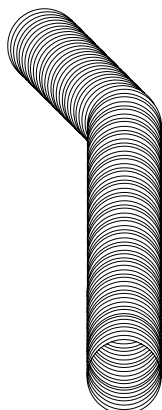
**Galvanized Steel**

Duct Diameter	Maximum 2" w.g. Positive Pressure. Longitudinal Snaplock Seam.	Duct Diameter	Maximum 2" w.g. Negative Pressure. Longitudinal Snaplock Seam.
3" thru 8"	28 ga.	6" thru 10"	28 ga.
9" thru 14"	26 ga.	12"	26 ga.
15" thru 26"	24 ga.	14" thru 16"	24 ga.
27" thru 36"	22 ga.	18" thru 20"	22 ga.
		22" thru 26"	20 ga.
		28" thru 30"	18 ga.

From SMACNA HVAC Duct Construction Standards Metal and Flexible - 2nd Edition, 1995

## ALUMINUM FLEXIBLE PIPE

**105 FLEX PIPE**



Not recommended for range hood duct.  
 Ideal for bathroom and other air duct requirements.  
 Furnished in 8-Ft. sections.

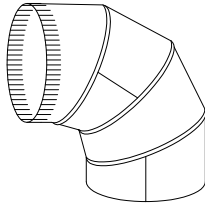
Duct Nominal Diameter (I.D.)	3" through 12"
Recommended Bend Radius	1.5 x Diameter to Center Line of Duct
Temperature Range	-60°F to +600°F
Maximum Operating Pressure	10" w.c. positive & 12" w.c. negative; 5,500 FPM
Listed U.L. 181	Class 0 Air Duct, meets requirements - NFPA Bulletin 90-A

**107 FLEX PIPE**

8-Ft. section - compressed to 38" long.  
 Compressed aluminum pipe is not covered by the U.L. 181 test procedure.

## ADJUSTABLE ELBOWS 90°

Galvanized Steel



111 ADJUSTABLE ELBOW

### DIAMETER

3" - 8"  
9" - 10"  
12" - 14"  
16" - 20"  
22" - 30"

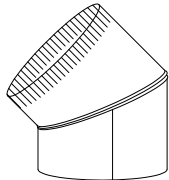
### PACKAGING

12 per carton  
8 per carton  
4 per carton  
4 per bundle, strapped  
No Standard Packaging

Sizes: 3" - 30" diameter  
(Elbows 22" - 30" diameter  
are 5-piece elbows.)

## ADJUSTABLE ANGLE 45°

Galvanized Steel

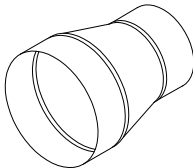


121 ADJUSTABLE ANGLE

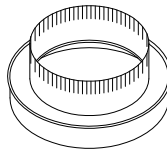
Sizes: 4" - 30" diameter  
Gauges: 30 ga. - 22 ga.

## REDUCER-INCREASER

Galvanized Steel



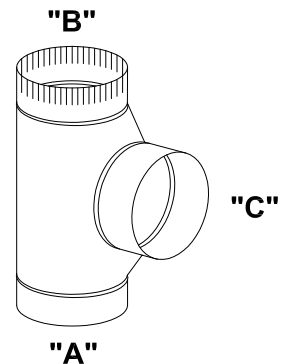
265 TAPERED REDUCER



266 FLAT REDUCER

## TEES

Galvanized Steel



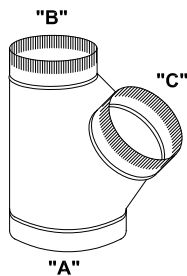
271 TEE

COLLAR SIZE	GAUGE
3" - 8"	30
9" - 12"	28
14" - 18"	26
20" - 24"	24

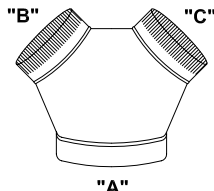
FOR REDUCING TEES  
ORDER AS "A" x "B" x "C"

## WYES

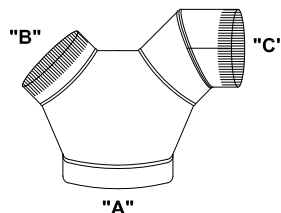
Galvanized Steel



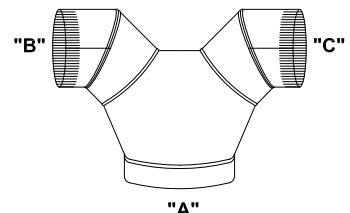
276 IN LINE WYE



277 BULL NOSE



278 1-WAY  
ADJUSTABLE WYE



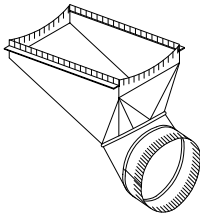
279 2-WAY  
ADJUSTABLE WYE

COLLAR "A" SIZE	GAUGE
4" - 8"	30
9" - 14"	28
16" - 22"	26
24"	24

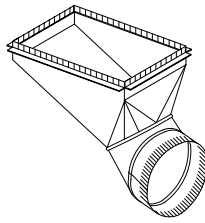
ORDER AS "A" x "B" x "C"

# TAKEOFFS

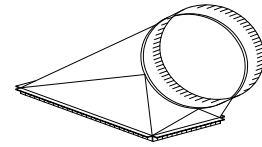
Galvanized Steel



**305 ROUND TAKEOFF**



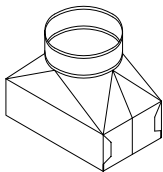
**306 ADJUSTABLE TAKEOFF**



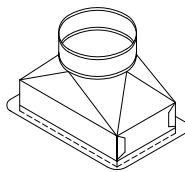
**309 SIDE TAKEOFF**

# REGISTER BOOTS & BOXES

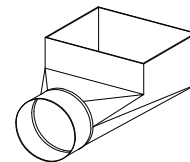
Galvanized Steel



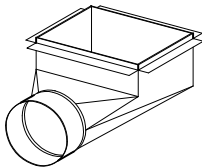
**241 STRAIGHT BOOT**



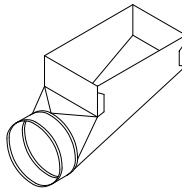
**242 FRAMED BOOT**



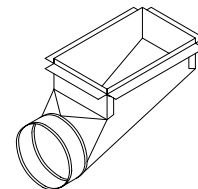
**243 90° ANGLE BOOT**



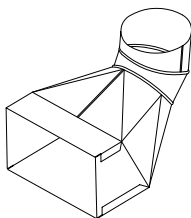
**243-F 90° ANGLE BOOT  
with DRYWALL FLANGE**



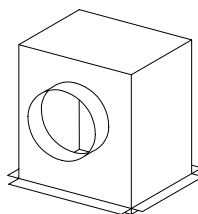
**244 CENTER END BOOT**



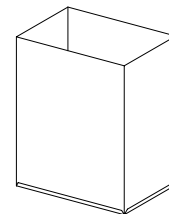
**244-F CENTER END BOOT  
with DRYWALL FLANGE**



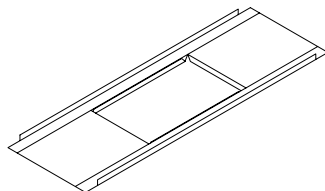
**246 ADJUSTABLE BOOT**



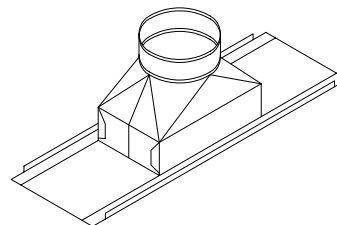
**269 REGISTER BOX**



**357 BLIND BOX  
12" HIGH**



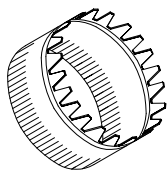
**354 PLASTER FRAME**



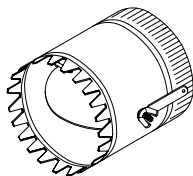
**356 PLASTER FRAME with  
STRAIGHT BOOT INSTALLED**

## STARTING COLLARS

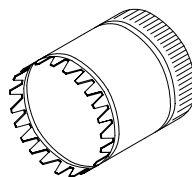
FOR SHEET METAL DUCT



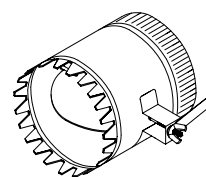
**261 TAB COLLAR**  
3" LONG



**261-D**  
with DAMPER



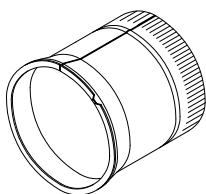
**261-L**  
6" LONG



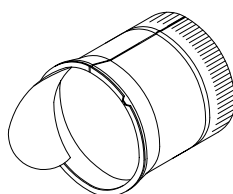
**261-DS**  
DAMPER & 2" STANDOFF

## SPIN-IN COLLARS

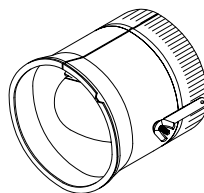
FOR SHEET METAL DUCT



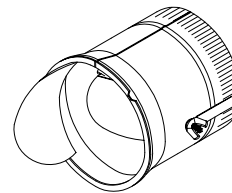
**720**  
CRIMP & BEAD



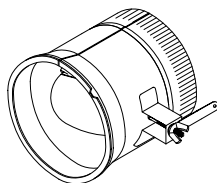
**722**  
with SCOOP



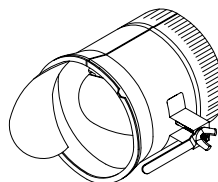
**724**  
with DAMPER



**726**  
with SCOOP  
and DAMPER



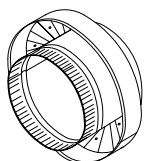
**724-DSO**  
with DAMPER  
and 2" STANDOFF



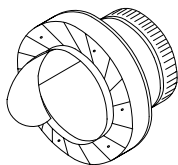
**726-DSO**  
with SCOOP,  
DAMPER and  
2" STANDOFF

## RING SEAL COLLARS

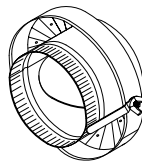
FOR SHEET METAL DUCT



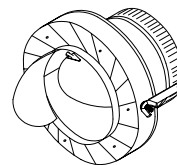
**650 COLLAR**



**652 with SCOOP**



**654 with DAMPER**



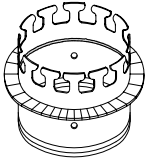
**656 with SCOOP  
and DAMPER**

Ring Seal Collar - No Tabs

Install with sheet metal screws, #8 x 1/2", holes provided.

## TAB COLLARS

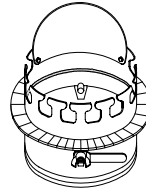
FOR 1" and 1½" DUCT BOARD



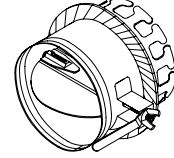
**616  
TAB COLLAR**



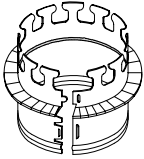
**616-D  
with DAMPER**



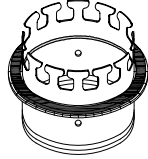
**616-DS  
with SCOOP  
and DAMPER**



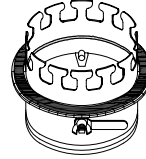
**616-DSO  
with 2"  
STANDOFF**



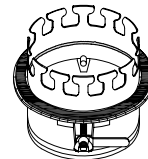
**616-KD  
NESTED COLLAR**



**616-G  
with GASKET**

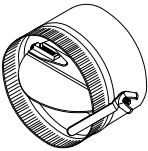


**616-DG  
with DAMPER  
and GASKET**

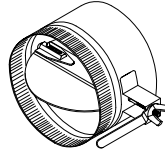


**616-GDSO  
with GASKET and  
2" STANDOFF**

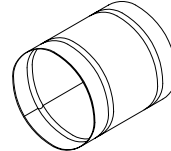
## DAMPER SLEEVE, CONNECTOR & INSIDE RING



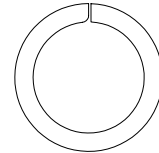
**175 DAMPER  
SLEEVE**



**175-X DAMPER  
SLEEVE WITH 2"  
STANDOFF**



**680  
FLEX DUCT  
CONNECTOR**

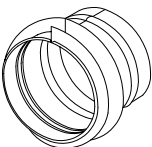


**619  
INSIDE  
BACK-UP RING**

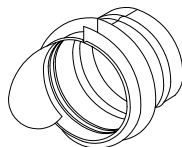
## TWIST LOCK COLLARS

FOR 1" and 1½" DUCT BOARD

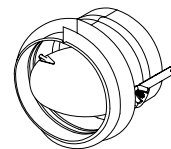
"FL" COLLARS FIT 1½" DUCT BOARD



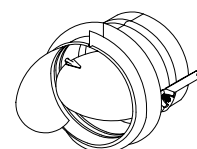
**620 / 620-FL  
with BEAD**



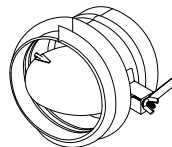
**622 / 622-FL  
with SCOOP**



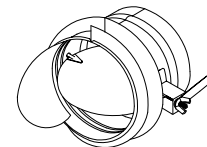
**624 / 624-FL  
with DAMPER**



**626 / 626-FL  
with DAMPER  
and SCOOP**



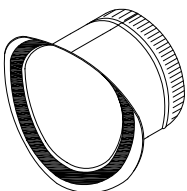
**624-DSO / 624-FL-DSO  
with DAMPER  
and 2" STANDOFF**



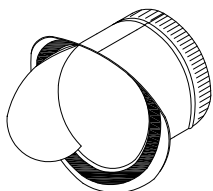
**626-DSO / 626-FL-DSO  
with SCOOP,  
DAMPER and  
2" STANDOFF**

## STARTING COLLARS

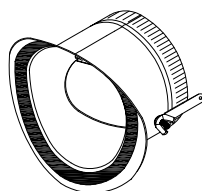
WITH THERMA SEAL GASKET  
OFF ROUND PIPE



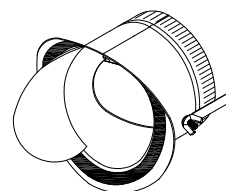
**310 COLLAR**



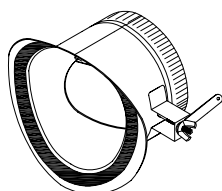
**312 with SCOOP**



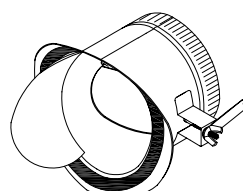
**314 with DAMPER**



**316 with SCOOP  
and DAMPER**



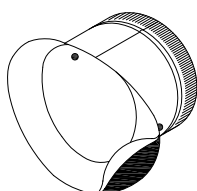
**314-DSO  
with DAMPER  
and 2" STANDOFF**



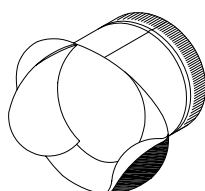
**316-DSO  
with SCOOP,  
DAMPER and  
2" STANDOFF**

## STARTING COLLARS

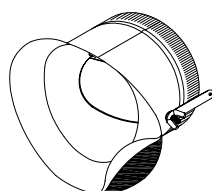
WITH PEEL OFF PAPER GASKET  
OFF ROUND PIPE



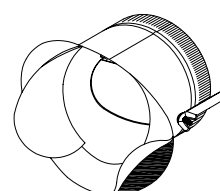
**311 COLLAR**



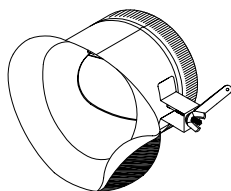
**313 with SCOOP**



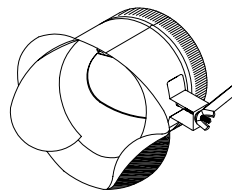
**315 with DAMPER**



**317 with SCOOP  
and DAMPER**



**315-DSO  
with DAMPER  
and 2" STANDOFF**

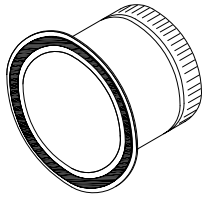


**317-DSO  
with SCOOP,  
DAMPER and  
2" STANDOFF**

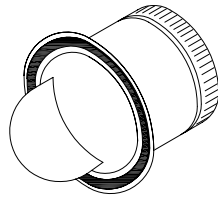


## STARTING COLLARS

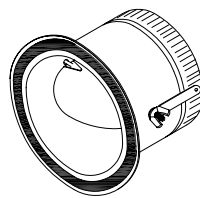
WITH THERMA SEAL GASKET  
 OFF RECTANGULAR DUCT



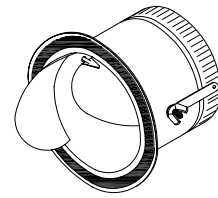
**710 COLLAR**



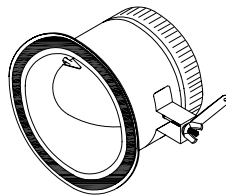
**712 with SCOOP**



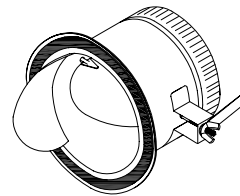
**714 with DAMPER**



**716 with SCOOP  
 and DAMPER**



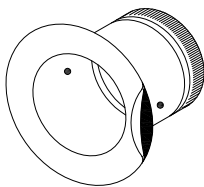
**714-DSO  
 with DAMPER  
 and 2" STANDOFF**



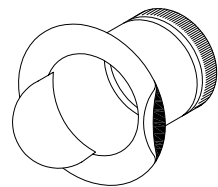
**716-DSO  
 with SCOOP,  
 DAMPER and  
 2" STANDOFF**

## STARTING COLLARS

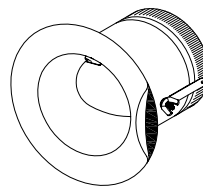
WITH PEEL OFF PAPER GASKET  
 OFF RECTANGULAR DUCT



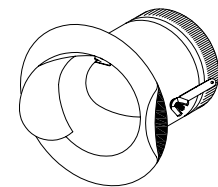
**711 COLLAR**



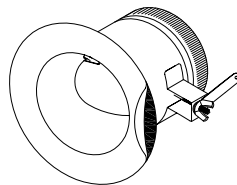
**713 with SCOOP**



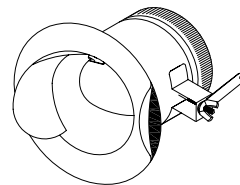
**715 with DAMPER**



**717 with SCOOP  
 and DAMPER**



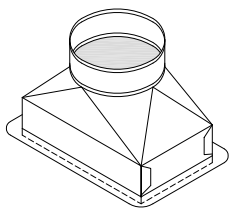
**715-DSO  
 with DAMPER  
 and 2" STANDOFF**



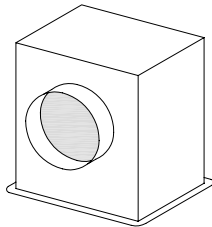
**717-DSO  
 with SCOOP,  
 DAMPER and  
 2" STANDOFF**

## INSULATED REGISTER BOOTS & BOXES R-4.2

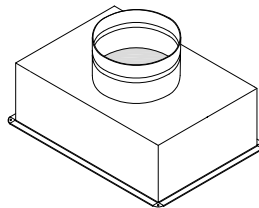
GALVANIZED STEEL with R-4.2 INTERNAL INSULATION



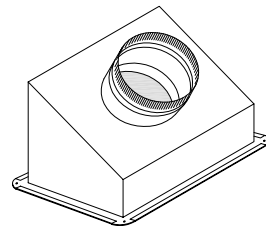
**1242 FRAMED BOOT**



**1269 FRAMED BOX**



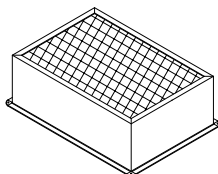
**1275 FRAMED BOX**  
4" HIGH



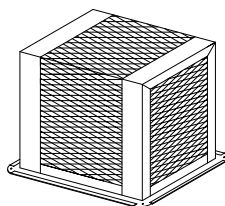
**1293 SLANT TOP**  
**BOX**

## DUCT BOARD BOXES R-4.2

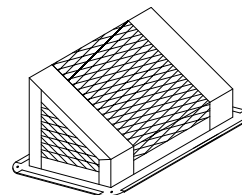
GALVANIZED STEEL REINFORCED DUCT BOARD BOXES



**1288 4" HIGH with FLANGE**  
**1284 4" HIGH without FLANGE**  
(Not Shown)



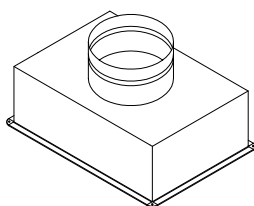
**1292 (11" HIGH)**  
Maximum Side Collar  
8" Round



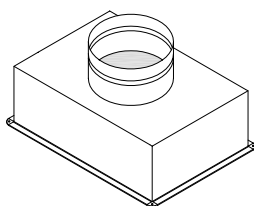
**1298 SLANT TOP BOX**

## INSULATED REGISTER BOOTS & BOXES R-6.0

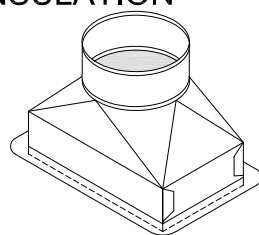
GALVANIZED STEEL with R-6.0 INTERNAL INSULATION



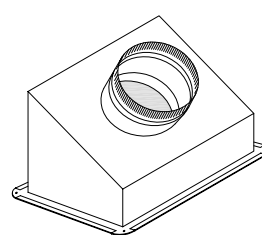
**1575 FRAMED BOX**  
**SILVER INTERIOR**



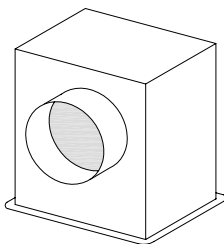
**1580 FRAMED BOX**  
**BLACK INTERIOR**



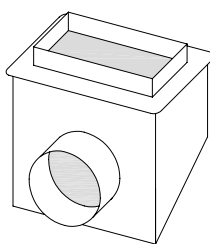
**1242-FL BOOT**  
**BLACK INTERIOR**



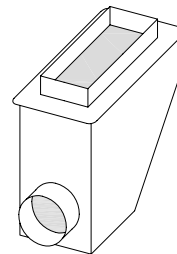
**1293-FL SLANTED TOP**  
**BLACK INTERIOR**



**1269-FL FRAMED BOX**  
**BLACK INTERIOR**



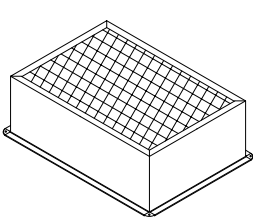
**1243-FL FLOOR BOOT**  
**BLACK INTERIOR**



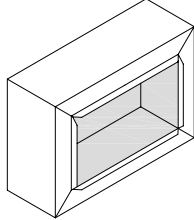
**1244-FL FLOOR BOOT**  
**BLACK INTERIOR**

## DUCT BOARD BOXES R-6.0

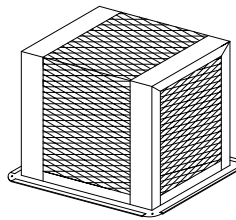
GALVANIZED STEEL REINFORCED DUCT BOARD BOXES  
 ALL WITH BLACK INTERIORS



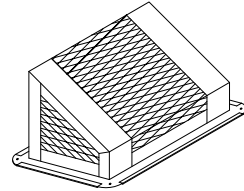
**1288-FL**



**88**



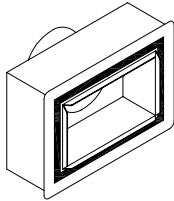
**1292-FL**



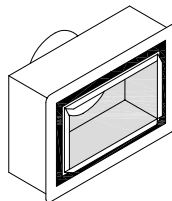
**1298-FL**

## INSULATED REGISTER BOXES R-6.0

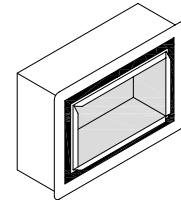
WITH THERMA SEAL GASKET



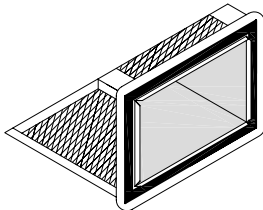
**1575-G FRAMED BOX  
 SILVER INTERIOR**



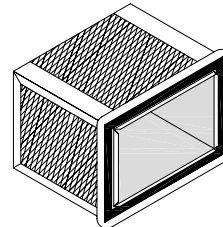
**1580-G FRAMED BOX  
 BLACK INTERIOR**



**1288-FLG DUCT BOARD BOX  
 BLACK INTERIOR**



**1298-FLG SLANT TOP BOX  
 BLACK INTERIOR**

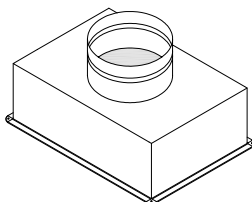


**1292-FLG DUCT BOARD BOX  
 BLACK INTERIOR**

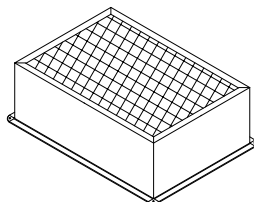
Therma Seal Gasket applied to outboard flange for sealing box to building envelope.

## INSULATED REGISTER BOXES R-8.0

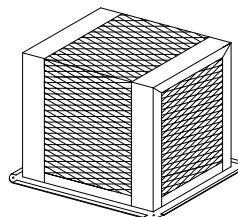
WITH BLACK INTERIORS



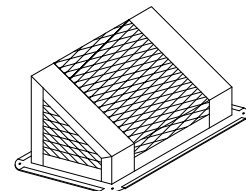
**1780**



**1788**

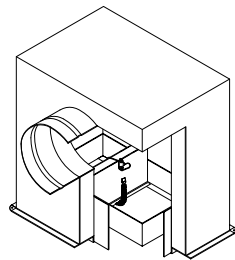


**1792**

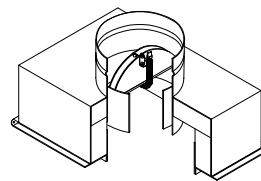


**1798**

# CEILING RADIATION DAMPER BOXES

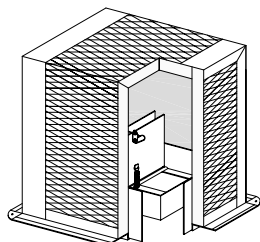


**1565-CRD**  
**CEILING RADIATION DAMPER BOX**  
**SIDE ENTRY COLLAR**

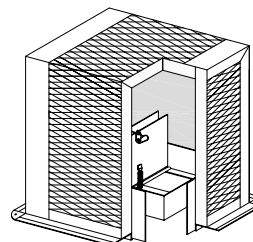


**1575-CRD**  
**CEILING RADIATION DAMPER BOX**  
**TOP ENTRY COLLAR**

- ✠ Galvanized steel with R-6.0 internal insulation.
- ✠ Ready to be installed and connected to supply duct.
- ✠ Hanger brackets optional.
- ✠ One hour rated CRD/Register/Grille assembly with CRD/Plenum Box assembly for use in floor-ceiling & roof-ceiling wood truss assemblies U.L. Design L-563, L-585, P-544, P547.
- ✠ Install with Crown No. 1252 Mounting Bracket (Page 16) or Crown No. 1260 18 gauge Mounting Angle (see below).
- ✠ No. 1565-CRD: Min. size = 4" x 4" - 4"Ø Max. size = 16" x 16" (256 sq. in.) - 10"Ø
- ✠ No. 1575-CRD: Min. size = 4" x 4" - 4"Ø Max. size = 16" x 16" (256 sq. in.) - 12"Ø

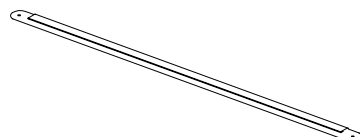


**1292-CRD**  
**CEILING RADIATION DAMPER BOX**  
**R-4.2 DUCT BOARD**

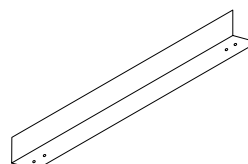


**1592-CRD**  
**CEILING RADIATION DAMPER BOX**  
**R-6.0 DUCT BOARD**

- ✠ Galvanized Steel Frame with Duct Board Top & Sides, Black Interior.
- ✠ Duct Board Top & Sides Allow for Various Collar Inlet Sizes, Field Installed.
- ✠ One hour rated Ceiling Radiation Damper and Fiberglass Plenum Box assembly for use in floor-ceiling & roof-ceiling wood truss assemblies U.L. Design L-563, L-585, P-544, P-547.
- ✠ Install with Crown No. 1252 Mounting Bracket (Page 16) or Crown No. 1260 18 gauge Mounting Angle (see below).
- ✠ Maximum Register Size = 16" x 16" (Maximum Area 256 sq. in.), Maximum Height = 16", Maximum Collar Size = 10"Ø.

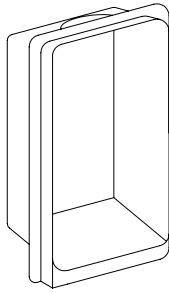


**1250 MOUNTING BRACKET**  
**24 GAUGE**



**1260 MOUNTING ANGLE**  
**18 GAUGE, 1½" x 1½" x 26" LONG**

# DRYERBOX & EXHAUST VENTS



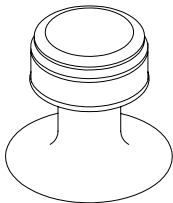
## 700-350

For use in 2 x 4 stud wall

## 700-425

For use in 2 x 6 stud wall

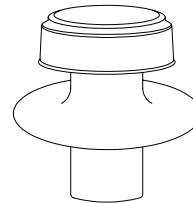
- 👑 One-piece die stamped 22 gauge aluminized steel (rigid, rust free and paintable).
- 👑 Accepts 4" diameter snaplock pipe for venting to the wall, roof or floor.
- 👑 Eliminates restrictive bends in the flex hose.
- 👑 Dryers can be installed right against the wall.
- 👑 700-350: 6 per carton. 700-425: 5 per carton.



**360 VENT w/ SCREEN**  
**360-D VENT w/ DAMPER**



**365 VENT CAP**  
**w/ SCREEN**

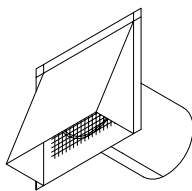


**360-X w/ SCREEN & EXTENSION**  
**360-DX w/ EXTENSION & DAMPER**

### ALUMINUM SEAMLESS CAP and FLASHING

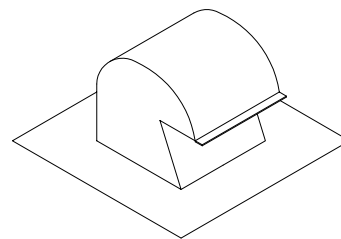
Available in sizes 4", 6", 7", 8", 10" and 12" duct diameters.

Dampers available in sizes 4", 6", 7" and 8" only.



## 349 SIDEWALL VENT

Available with Screen or  
 Flapper Damper



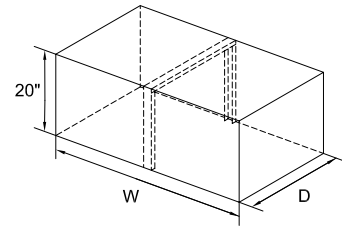
## 350 ROOF CAP

- 👑 **350** supplied with round collar in bottom plate and screen in top opening.
- 👑 **350-D** supplied with round collar in bottom plate and gravity damper (no screen).
- 👑 **350-R** supplied with rectangular hole in bottom plate and screen in top opening.
- 👑 **350-RD** supplied with rectangular hole in bottom plate and gravity damper (no screen).

# INSTALLATION ACCESSORIES

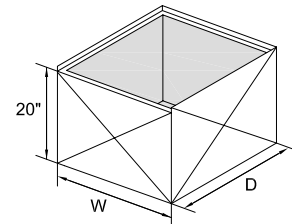
## 301- CB UNIT STAND

- 👑 24 gauge Galvanized Steel. R-6 Internal Insulation.
- 👑 20" tall, 22 gauge 1" x 2" x 1" channel for C/L bracing/support.



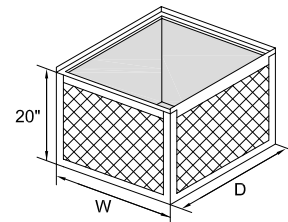
## 301- SM UNIT STAND

- 👑 26 gauge Galvanized Steel.
- 👑 R-6 internal insulation.
- 👑 Recessed flange at top allows for securing Air Handler to stand.



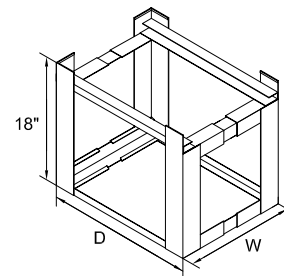
## 301- DB UNIT STAND

- 👑 24 gauge Galvanized Steel frame and bottom.
- 👑 R-6 duct board sides and bottom.
- 👑 Recessed flange at top allows for securing Air Handler to stand.



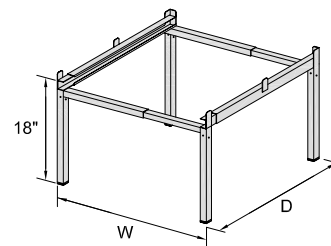
## 500 ADJUSTABLE RETURN AIR STAND

- 👑 Stand fits most 1½ through 3 ton Air Handlers.
- 👑 18 gauge Galvanized Steel with spot welded seams.
- 👑 Built in Filter Rack.
- 👑 18" High, 22" Deep, 14" - 25" Adjustable Width Dimension.



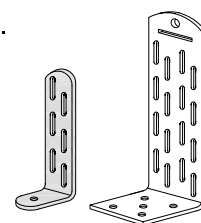
## 600 ADJUSTABLE AIR HANDLER STAND

- 👑 2-Way Adjustable. 18" High. 1" Filter Channel.
- 👑 14" - 27" Adjustable Width Dimension.
- 👑 17" - 29" Adjustable Depth Dimension.
- 👑 Shipped Knocked Down Flat in Carton with Assembly Hardware.
- 👑 Welded Tube Construction, Powder Coat Paint.



## CONDENSING UNIT TIE DOWN BRACKET

- 👑 14 Gauge Galvanized Steel, Hot Dipped AFTER Punching.
- 👑 Slotted Holes for Easy Installation.
- 👑 Packaged 4 Brackets per Pack, 50 Packs per Box.
- 👑 Engineering Data Provided in each Pack.
- 👑 Standard Brackets are 1" Wide & Powder Coated, 556-2 is 2" Wide x 6" Long & Galvanized.

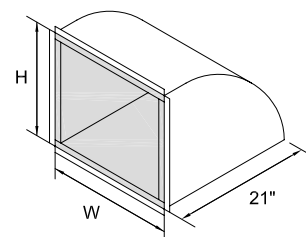


**554 4" Long**  
**556 6" Long**  
**556-2 6" Long**  
**558 8" Long**

# INSTALLATION ACCESSORIES

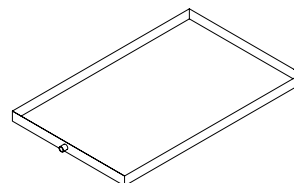
## 301- R RADIUS PLENUM

- ✎ 26 gauge Galvanized Steel, 21" Tall.
- ✎ Internally insulated with R-6 liner.
- ✎ Sized to fit air handler.



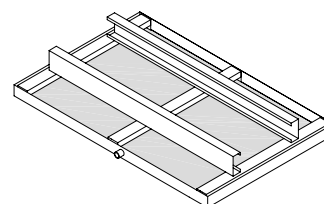
## 750 DRAIN PAN

- ✎ Available in 26 gauge and 24 gauge Galvanized Steel.
- ✎ One  $\frac{3}{4}$ " female PVC nipple installed in the center of short side unless specified otherwise.



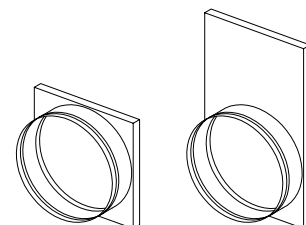
## 757 DRAIN PAN with SUPPORTS

- ✎ 24 gauge Galvanized Steel.
- ✎ 20 gauge support rails for placement of horizontal Air Handler.
- ✎ Options: With or without  $\frac{3}{4}$ " female nipple - standard location is C/L long side. Eyebolts or "S" hooks for suspending unit are available.



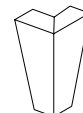
## 667 PACKAGE UNIT ADAPTERS, SUPPLY & RETURN

- ✎ 26 gauge Galvanized Steel.
- ✎ 1" deep panel sized to fit supply and return air openings. Collar diameter  $\frac{1}{8}$ " undersized. 1" internal insulation.
- ✎ Packaged as kit - supply and return adapters.



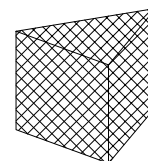
## PL- 4 PLENUM BOX LEG

- ✎ 22 gauge Galvanized Steel. 3" x 3" tapered leg 4" long.
- ✎ Ideal for 301-CB, 301-SM and 301-DB plenum boxes.



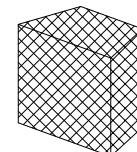
## R-6 DUCT BOARD TRIANGLE BOXES

- ✎ Assembled with staples and UL SMACNA Tape.
- ✎ Four sizes available.

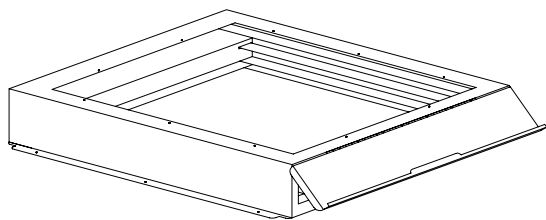


## R-6 DUCT BOARD REDUCER BOXES







- ✎ Assembled with staples and UL SMACNA tape.
- ✎ Four sizes available.

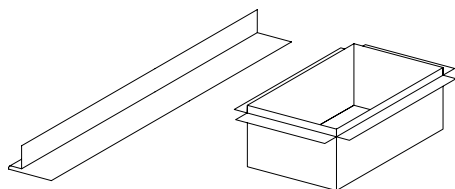


# INSTALLATION ACCESSORIES

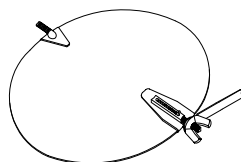


**FILTER HOUSING FOR AIR HANDLERS  
& GAS FURNACES**

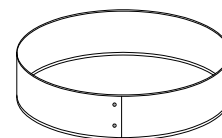
-  Fits Air Handlers & Furnaces through 5 tons.
-  All Components Die Stamped.
-  All Flanges have Rounded Corners.
-  22 Gauge Galvanized Steel.
-  Accepts 1" or 2" filters.
-  Fully Hinged Door - No Panel or Door to Remove.



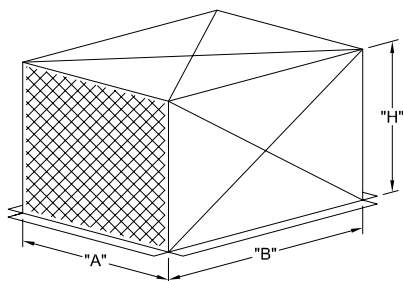
**612 CAN STOCK**  
30 Gauge Galvanized Steel  
10 ft. lengths or cut-to-size





**275 MANUAL  
VOLUME DAMPER**

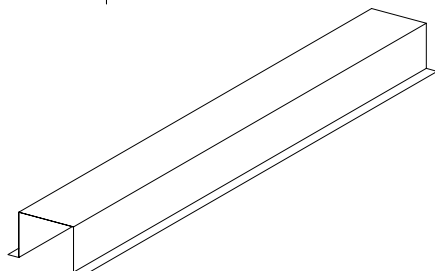


**273 END CAP**



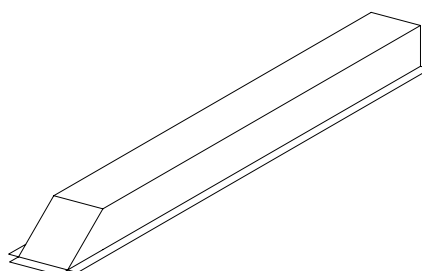
**550 CONDENSING UNIT COVER**

-  24 Gauge Galvanized Steel (sides and top).
-  Expanded Metal in both "A" x "H" openings.



**560 LINE COVER**

Available in 8-ft. and 10-ft. lengths, 28 gauge and 26 gauge galvanized steel.

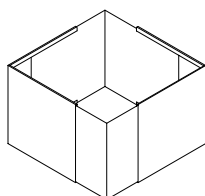





**565 LINE COVER with CAP**

**461 EXPAND-O-DUCT**  
8" x 8" - 14" x 14"

**465 EXPAND-O-DUCT**  
12" x 12" - 22" x 22"

**469 EXPAND-O-DUCT**  
16" x 16" - 30" x 30"

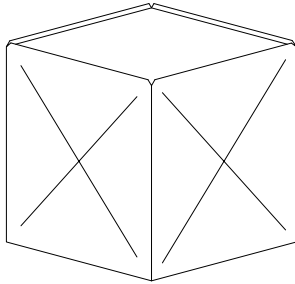


-  Ideal as inside liner for fiberglass duct to support fire damper.
-  22 gauge galvanized steel, 11" long.
-  Edges interlock - no cutting necessary.



# INSTALLATION ACCESSORIES

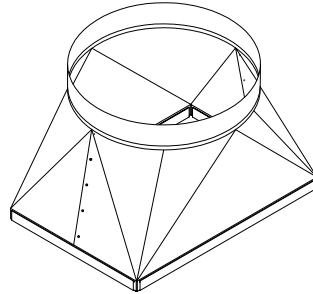
## 301 PLENUM - GALVANIZED STEEL



- ✠ Internal Insulations Available: ½" x 2# Density Liner  
1" x 1.5# Density Liner  
2" x 1.5# Density Liner
- ✠ Plenums are available in 28 gauge thru 22 gauge.
- ✠ Button punch snaplock seam construction (4 sides) and recessed end cap standard.
- ✠ Plenums are shipped knocked-down (5 pieces) and strapped.

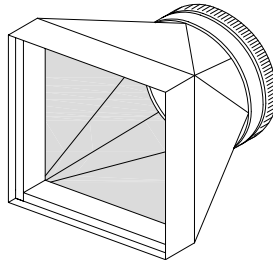
## 480 RECTANGLE TO ROUND TRANSITION

- ✠ Galvanized Steel
- ✠ Available with crimp and bead collar for flexible duct attachment.
- ✠ Transitions to 12" diameter and smaller fabricated from 28 gauge galvanized steel.
- ✠ Transitions to 14" diameter and larger fabricated from 26 gauge galvanized steel.
- ✠ Center-line taper is standard for Transitions. If "flat on one side" style taper is required, note the side to be flat as the first size given. For example, order size 20" x 16" - 12" rd. F.O.B. and the Transition will be flat on the 20" side.



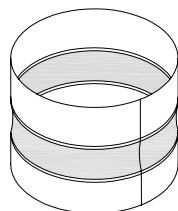
## 1480 RECTANGLE TO ROUND TRANSITION

- ✠ Galvanized steel
- ✠ Internally insulated with duct liner, R-4.2
- ✠ Transitions to 12" diameter and smaller fabricated from 28 gauge galvanized steel.
- ✠ Transitions to 14" diameter and larger fabricated from 26 gauge galvanized steel.
- ✠ Collar crimped and beaded for flexible duct connection.
- ✠ 4" straight-away on rectangular end.
- ✠ Galvanized steel sleeve inside - required by code.



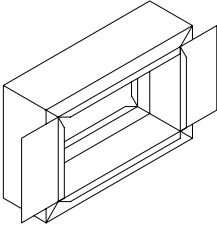
## 1480-FL RECTANGLE TO ROUND TRANSITION

- ✠ Galvanized steel
- ✠ Internally insulated with duct liner, R-6.0
- ✠ Transitions to 12" diameter and smaller fabricated from 28 gauge galvanized steel.
- ✠ Transitions to 14" diameter and larger fabricated from 26 gauge galvanized steel.
- ✠ Collar crimped and beaded for flexible duct connection.
- ✠ 4" straight-away on rectangular end.
- ✠ Galvanized steel sleeve inside - required by code.

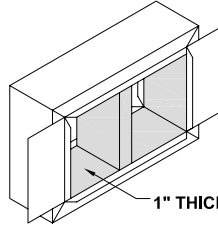


## 412-R FLEX CONNECTOR FOR ROUND END OF 480, 1480 AND 1480-FL

## PASSIVE RETURN AIR SLEEVES

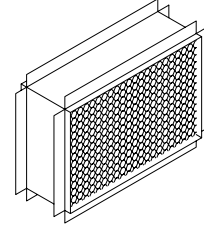


**"PR" PASSIVE RETURN AIR SLEEVE**



**"SK" SILENT KNIGHT PASSIVE RETURN AIR SLEEVE**

1" THICK ACOUSTICAL LINER



**"RAP" RETURN AIR PATHWAY KIT**

## DUCT HANGERS

### 795 DUCT HANGER STRAP

Galvanized Steel  
1" and 2" wide, 10-ft. long  
Available in 28 ga., 26 ga., 24 ga.

### 798 DUCT HANGER STRAP

Galvanized Steel  
1.5" wide x 100-ft. roll  
Available in 26 ga.

### 792 TYING WIRE

18 gauge Galvanized  
830-ft. Handi-Reel

### 777 DUCT HANGER STRAP

.019" thick Aluminum  
1" x 200-ft. roll

### 697 DUCT BOARD HANGER CHANNEL

Galvanized Steel  
10-ft. long  
Available in 26 ga. and 22 ga.

### 797 DUCT HANGER STRAP

Galvanized Steel  
1" wide x 100-ft. roll  
Available in 26 ga. and 22 ga.

### 799 DUCT HANGER STRAP

Galvanized Steel  
2" wide x 100-ft. roll  
Available in 28 ga., 26 ga., 24 ga.

### 793 ANGLE

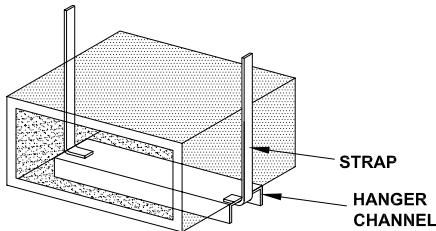
Galvanized Steel  
Available in 30 ga. and 26 ga.

### 778 DUCT HANGER STRAP

.019" thick Aluminum  
1" x 100-ft. roll

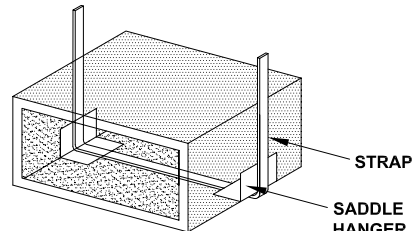
### 695 SADDLE HANGER for DUCT BOARD

22 ga. Galvanized Steel  
4" wide, 2" x 2" angle



STRAP

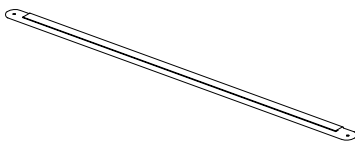
HANGER CHANNEL



STRAP

SADDLE HANGER

## MOUNTING BRACKETS



### 1250 MOUNTING BRACKET

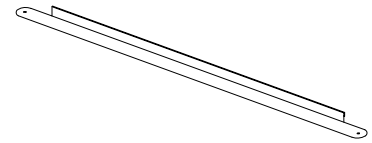
Clip-on bracket for use with flanged Boots and Boxes  
25" long, 24 ga. Galvanized

### 1252 MOUNTING BRACKET

Clip-on bracket for use with flanged Boots and Boxes  
25" long, 26 ga. Galvanized

### 1250-16 MOUNTING BRACKET

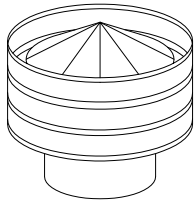
Clip-on bracket for use with flanged Boots and Boxes  
17" long, 24 ga. Galvanized



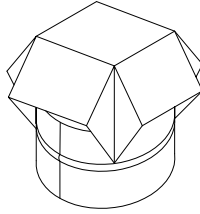
### 1254 MOUNTING BRACKET

Screw-on bracket for use with unflanged Boots and Boxes  
25" long, 26 ga. Galvanized

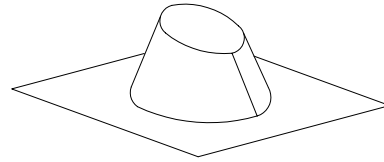
## VENT TOPS & FLASHINGS



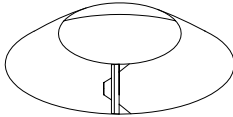
**332 VENT TOP  
with WIND BAND**



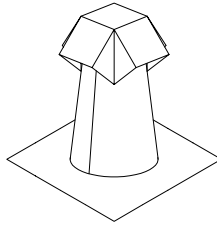
**334 VENT TOP**



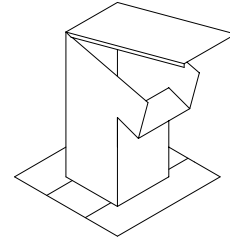
**336 ROOF FLASHING**



**339 STORM COLLAR**



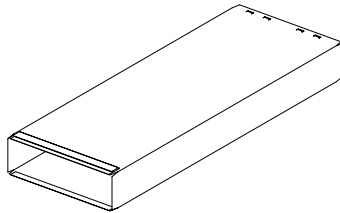
**341 ROOF JACK  
for FLAT ROOF**



**353 ROOF JACK  
for REFRIGERANT LINES**

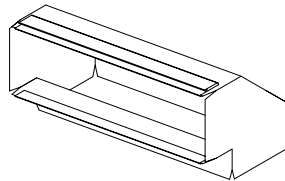
**341-P ROOF JACK  
for PITCHED ROOF**

## WALLSTACK & FITTINGS

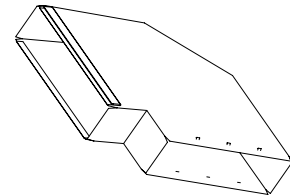


**201 WALLSTACK DUCT**

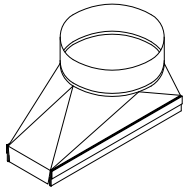
Wallstack duct is furnished in half sections, nested and strapped. 5 joints per bundle. Supplied with button lock side seams. 28 ga. Galv. Steel. Standard joint length is 3 ft.



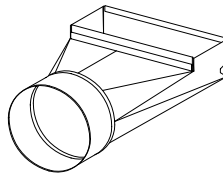
**240 90° ELBOW  
SHORT WAY  
(245 45° ELBOW  
SHORT WAY)**



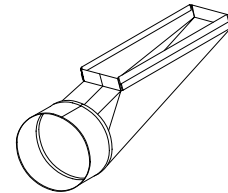
**230 90° ELBOW  
LONG WAY  
(235 45° ELBOW  
LONG WAY)**



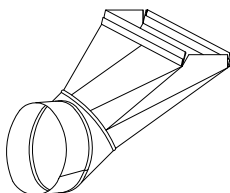
**231 STRAIGHT BOOT**



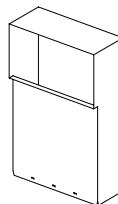
**233 90° ANGLE BOOT**



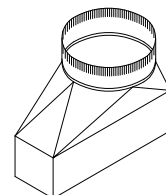
**234 CENTER END BOOT**



**236 ADJUSTABLE  
OFFSET BOOT**



**223 STACKHEAD (11" THROAT)  
222 STACHHEAD (8" THROAT)**



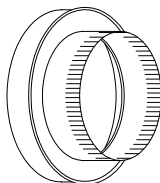
**232 RANGE HOOD  
TRANSITION  
3" RECTANGULAR STRAIGHTAWAY**

# MOBILE HOME DUCT ACCESSORIES

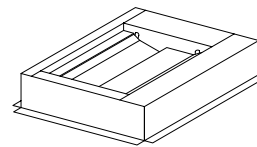
## SUPPLY AIR



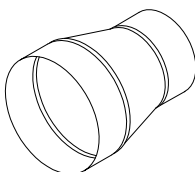
**920 SUPPLY CONNECTOR**  
with GASKET and DAMPER



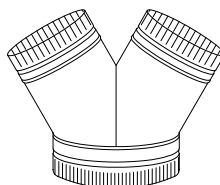
**925 BUSHING**



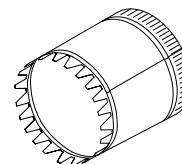
**935 DAMPER SECTION**  
(To fit beneath furnace.  
Top is removable to be used flat.)



**265 TAPERED REDUCER**

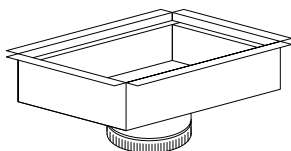


**965 WYE**

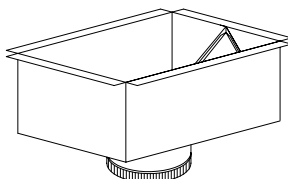


**261-L STARTING COLLAR**  
6" LONG

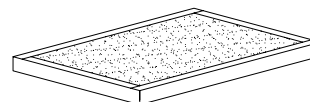
## RETURN AIR



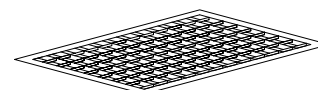
**900 RETURN AIR BOX**  
6" DEEP with RACK for 1 FILTER



**905 RETURN AIR BOX**  
10" DEEP with "A" RACK for 2 FILTERS



**945 FILTER**



**950 FLOOR GRILLE**

# MOBILE HOME DUCT KITS

**971 SINGLE WIDE DUCT KIT, consisting of:**

905	1 ea.	R/A Box 12" x 20" - 14" oval
950	1 ea.	12" x 20" Floor Grille
945	2 ea.	10" x 20" x 1" Filter
920	1 ea.	12" Supply Connector

**974 SINGLE WIDE DUCT KIT, consisting of:**

905	1 ea.	R/A Box 12" x 20" - 14" oval
950	1 ea.	12" x 20" Floor Grille
945	2 ea.	10" x 20" x 1" Filter
261-L	1 ea.	12" Starting Collar

**972 SINGLE WIDE DUCT KIT, consisting of:**

905	1 ea.	R/A Box 12" x 20" - 12" round
950	1 ea.	12" x 20" Floor Grille
945	2 ea.	10" x 20" x 1" Filter
920	1 ea.	12" Supply Connector





**976 DOUBLE WIDE DUCT KIT, consisting of:**

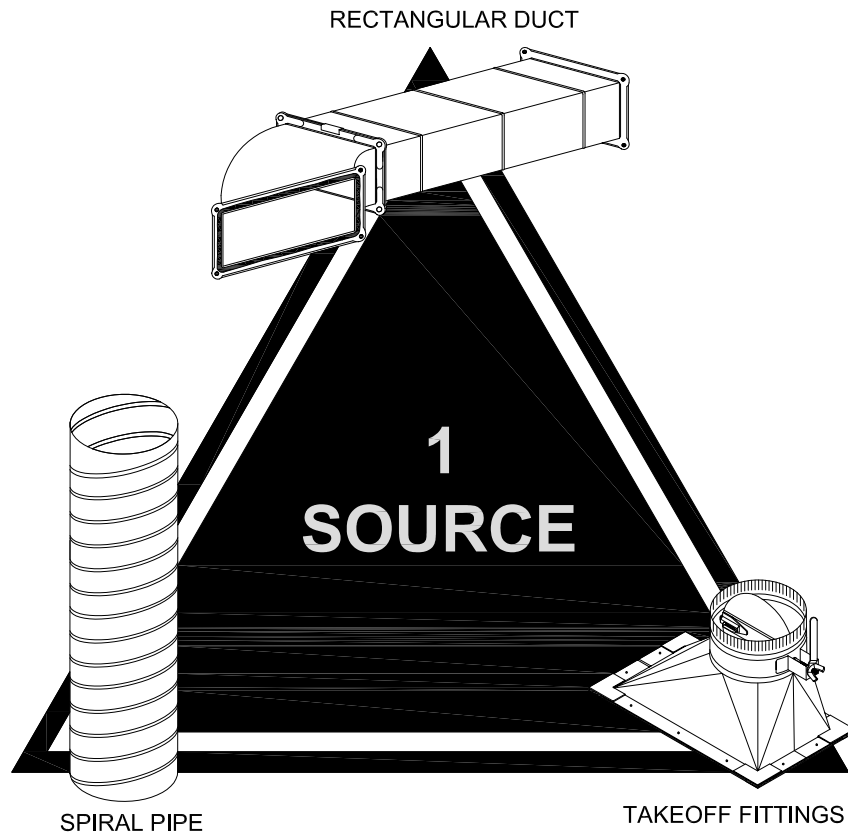
905	1 ea.	R/A Box 12" x 20" - 14" oval
950	1 ea.	12" x 20" Floor Grille
945	2 ea.	10" x 20" x 1" Filter
920	2 ea.	10" Supply Connector
965	1 ea.	12" x 10" x 10" Wye

# COMMERCIAL DUCT PRODUCTS





## LET CROWN BE YOUR FULL-SERVICE COMMERCIAL DUCT PROVIDER

### IT'S EASY TO GET GOING

-  You share your blueprints, material list or shop drawings with your Crown distributor.
-  No-cost quotes via Crown's Automated Estimating Program.
-  Job initiated and scheduled per your delivery goal.
-  Job site trailers available for large or multiple shipment jobs.

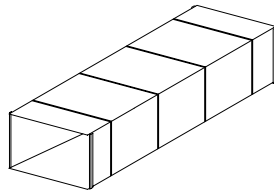


### QUALITY CONSTRUCTION & CUSTOM SPECIFICATIONS WITH EVERY SHIPMENT

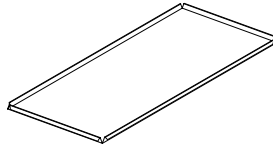
-  Commercial duct work is available in galvanized, paint-grip, and stainless steel.
-  Rectangular duct is available insulated with internal duct liner.
-  Rectangular and round duct is available in custom lengths to accommodate various job conditions.
-  All duct work is labeled for easy identification.

# RECTANGULAR DUCT WORK

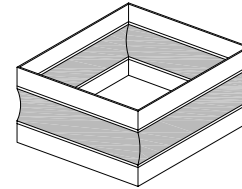
## S-LOCK & DRIVE TRANSVERSE CONNECTION



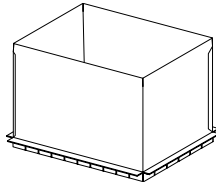
**401 RECTANGULAR DUCT**



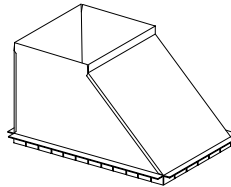
**411 END CAP**



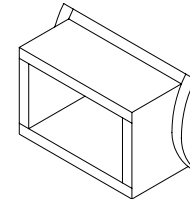
**412 FLEX CONNECTOR**



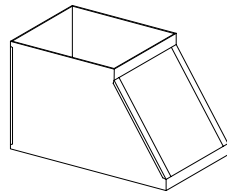
**406 STARTING COLLAR**



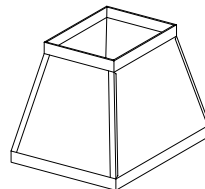
**408 BOOT TAP**



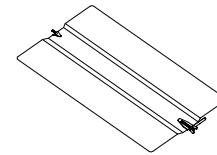
**406-R GRILLE TAP**



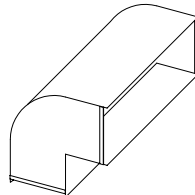
**416 REDUCER**



**420 TRANSITION**



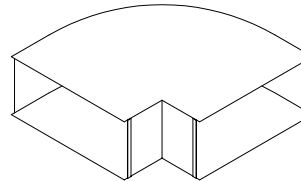
**422 MANUAL VOLUME DAMPER**



**440 SHORT WAY 90° ELBOW**

**445 SHORT WAY 45° ELBOW**

(NOT SHOWN)



**430 LONG WAY 90° ELBOW**

**435 LONG WAY 45° ELBOW**

(NOT SHOWN)

# RECTANGULAR DUCT TYPE B

## FLANGED BOLT TOGETHER TRANSVERSE CONNECTION

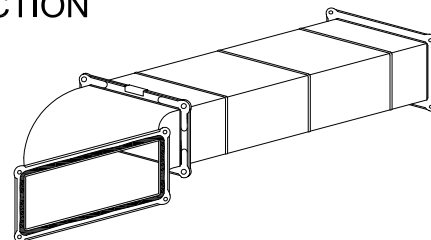
### 800 SERIES TYPE B DUCT

Type B Duct is furnished in half sections ready to assemble.

Type B Duct fittings, reducers, transitions, and elbows are furnished assembled ready to install.

Type B Duct sections are furnished in two standard lengths, 56 1/4" and 44 1/4". Shorter lengths supplied as required.

Type B Duct sections are easily joined by four bolts/nuts (supplied). With the use of butyl gasket (supplied) no fabric and mastic are needed to assure air tight transverse joints.







RECTANGULAR DUCT AVAILABLE WITH INTERNAL INSULATION.

CONTACT OUR COMMERCIAL DUCT DIVISION (800-818-7144) FOR PRICING AND AVAILABILITY.

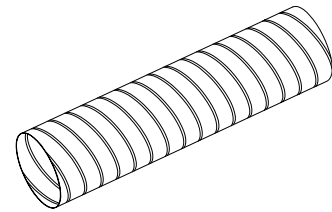
# SINGLE WALL SPIRAL DUCT WORK

## SINGLE WALL SPIRAL PIPE & FITTINGS

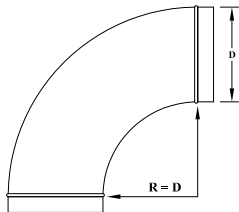
-  Standard: Galvanized steel sheet per ASTM A653, CS Type B.
-  Optional: Galvannealed steel sheet (paintable) per ASTM A653. Coating designation A40.
-  Optional: Stainless Steel Type 304-2B.
-  Pipe diameters are nominal. Fittings are fabricated  $\frac{1}{8}$ " undersized.

### Steel Gauges:

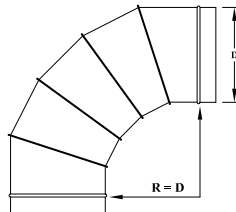
Diameter	Pipe	Fittings
4" - 14"	26 ga.	24 ga.
16" - 26"	24 ga.	22 ga.
28" - 38"	22 ga.	20 ga.



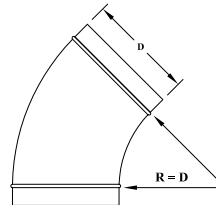
**SP6101 SPIRAL PIPE**  
 4" - 38" Diameter  
 10 ft. Jts. Standard



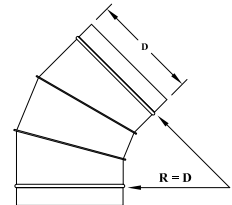
**SP6111 90° ELBOW**  
 4" - 12" Die Stamped



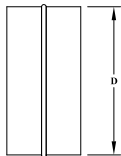
**SP6111 90° ELBOW**  
 14" - 38" 5 Piece  
 Gorelock



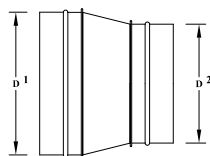
**SP6121 45° ELBOW**  
 4" - 12" Die Stamped



**SP6121 45° ELBOW**  
 14" - 38" 3 Piece  
 Gorelock



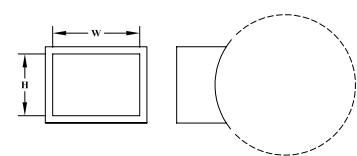
**SP6680 COUPLING**  
 6" Long



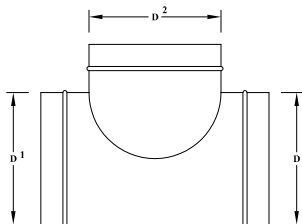
**SP6265 REDUCER**



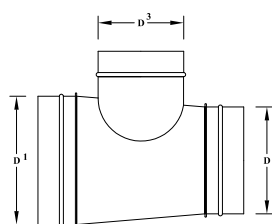
**SP6273 END CAP**



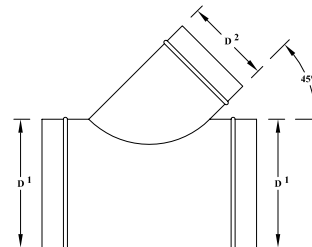
**SP6406 GRILLE TAP**



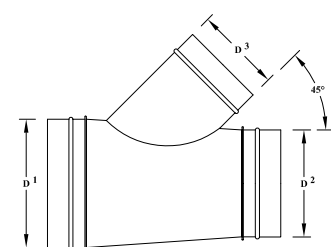
**SP6271 90° TEE**



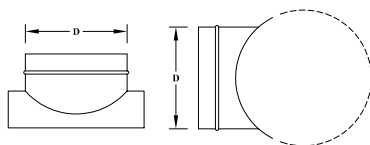
**SP6271R REDUCING  
 TEE**



**SP6276 45° LATERAL**



**SP6276R REDUCING  
 LATERAL**









**SP6307 90° SADDLE TAP**

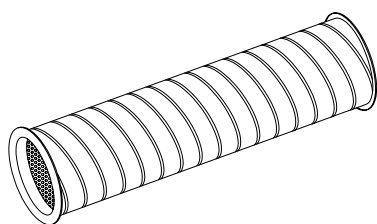
CONTACT OUR COMMERCIAL DUCT DIVISION (800-818-7144)  
 FOR SPECIFICATIONS, PRICING AND AVAILABILITY.

# DOUBLE WALL SPIRAL DUCT WORK

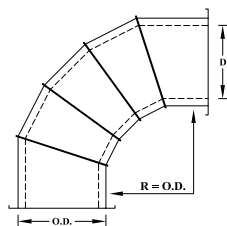
## DOUBLE WALL SPIRAL PIPE & FITTINGS

-  Outer wall galvanized steel sheet per ASTM A653, CS Type B.
-  Outer wall (optional) galvanized steel sheet (paintable) per ASTM A653. Coating designation A40.
-  Outer wall (optional) stainless steel Type 304 2B
-  Pipe inner wall galvanized perforated steel.
-  Outboard flange transverse connection.
-  Steel Gauges: (outer wall)
 

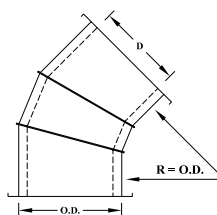
Diameter	Pipe	Fittings
6" - 14"	26 ga.	24 ga.
16" - 26"	24 ga.	22 ga.
28" - 36"	22 ga.	20 ga.



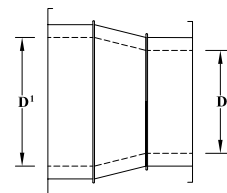
**DW6101 SPIRAL PIPE**  
6" - 36" Diameter (I.D.)  
10 ft. Jts. Standard



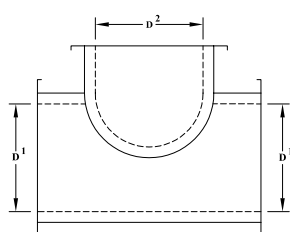
**DW6111 90° ELBOW**  
5 Piece Gorelock



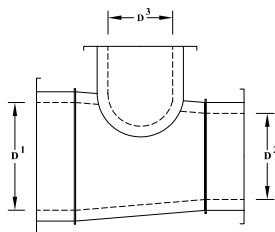
**DW6121 45° ELBOW**  
3 Piece Gorelock



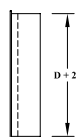
**DW6265 REDUCER**



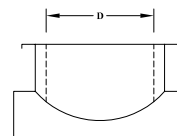
**DW6271 90° TEE**



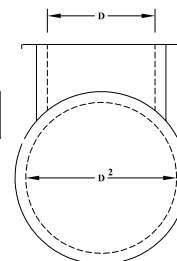
**DW6271R REDUCING  
90° TEE**



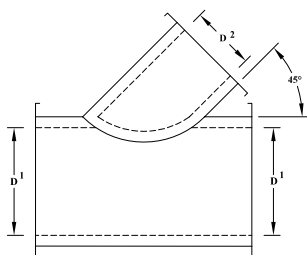
**DW6273 END CAP**



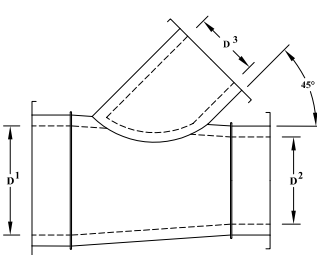
**DW6307 SADDLE TAP**



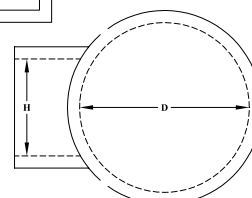
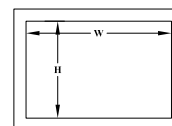
**DW6406 GRILLE TAP**



**DW6276 45° LATERAL**



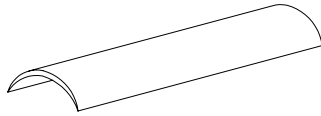
**DW6276R REDUCING  
45° LATERAL**



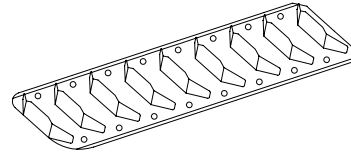
CONTACT OUR COMMERCIAL DUCT DIVISION (800-818-7144)  
FOR SPECIFICATIONS, PRICING AND AVAILABILITY.



## TURNING VANE & RAIL



**490 4" TURNING VANE**  
 24 Gauge Double Wall  
 5 ½" Overall Width  
 10 ft. Sections



**492 4" VANE RAIL**  
 24 Gauge  
 10 ft. Sections

**496 2" TURNING VANE**  
 26 Gauge Double Wall  
 10 ft. Sections

**498 2" VANE RAIL**  
 24 Gauge  
 10 ft. Sections

No. 496 2" Turning Vane is available on **special order basis**. Allow additional lead time.

## TRANSVERSE DUCT CONNECTORS

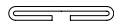
AVAILABLE IN 5-ft. OR 10-ft. LENGTHS

PACKAGED 100-ft. PER BUNDLE



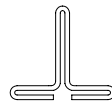
**FLAT S-LOCK**

1028 28 GA.  
 1026 26 GA.  
 1024 24 GA.



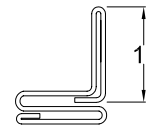
**FLAT DRIVE**

1228 28 GA.  
 1226 26 GA.  
 1224 24 GA.



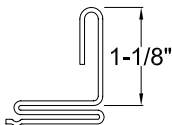
**STANDING DRIVE**

1624 24 GA.  
 1622 22 GA.  
 1620 20 GA.



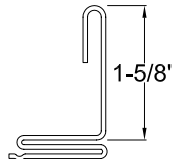
**STANDING S-LOCK**

1126 26 GA.  
 1124 24 GA.



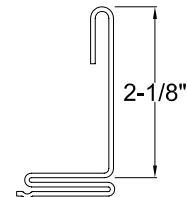
**1" STANDING BAR-LOCK**

1324 24 GA.  
 1322 22 GA.  
 1320 20 GA.



**1-½" STANDING BAR-LOCK**








1424 24 GA.  
 1422 22 GA.  
 1420 20 GA.

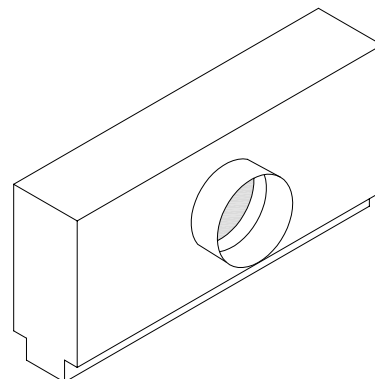


**2" STANDING BAR-LOCK**

1524 24 GA.  
 1522 22 GA.  
 1520 20 GA.

## SLOT DIFFUSER PLENUMS

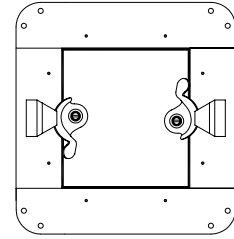
-  26 Gauge Galvanized Steel, Standard
-  1" x 1.5 lb. Density Internal Insulation, Standard
-  10" Standard Height
-  Plenum Length: 5-ft. and under
-  Round Collars Sized 4" through 9" Diameter
-  Oval Collars Sized 10" and Larger Diameter
-  Rectangular End Treatment as Required by Diffuser Spec



**2001 SLOT DIFFUSER PLENUM**

## UNIVERSAL ACCESS DOOR

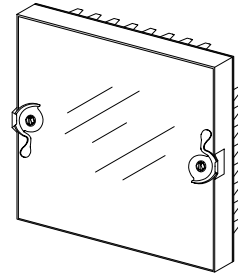
- 👑 For Sheet Metal Duct or 1" and 1 ½" Duct Board
- 👑 Door Construction: 24 Gauge Galvanized Steel  
Dovetails are 26 Gauge Galvanized Steel
- 👑 Door Sizes 6" x 6" through 16" x 16" Provided with 2 Cam Locks
- 👑 Larger Sizes Provided with 4 Cam Locks



**450 ACCESS DOOR**

## ACCESS DOOR

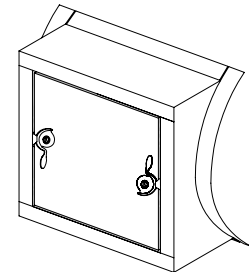
- 👑 Available Sizes: 6" x 6" - 24" x 24"
- 👑 Removable 24 Gauge Insulated Double Panel Door, 24 Gauge Frame
- 👑 Dual Cam Locks (4 Cam Locks on sizes 16" x 16" & larger)
- 👑 1" Thick Insulation in Door Panel
- 👑 ½" Wide, ⅛" Thick Dual Gasket (Door to Frame / Frame to Duct)



**451 ACCESS DOOR**

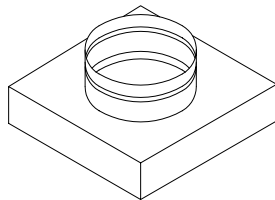
## ACCESS DOOR FOR ROUND PIPE

- 👑 1" Flange Contoured to fit Round Sheet Metal Duct
- 👑 Construction: 24 Gauge Galvanized Steel Door  
26 Gauge Galvanized Steel Body
- 👑 Door Sizes 6" x 6" through 16" x 16" Provided with 2 Cam Locks,  
Larger Sizes Provided with 4 Cam Locks
- 👑 Gasket on Door Insures Air Tight Seal



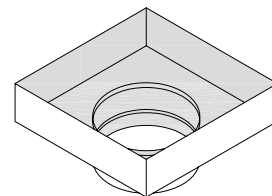
**450-R ACCESS DOOR**

## ADAPTERS



**666 ADAPTER**

- 👑 Rectangular dimension made ⅜" oversize  
Round Collar dimension made ⅛" undersize
- 👑 Sizes 4" x 4" thru 24" x 24" - 28 gauge  
Sizes 26" x 26" thru 30" x 30" - 26 gauge
- 👑 3" Deep Rectangular End  
3" Long Round Collar
- 👑 Oval collars also available



**666-B ADAPTER  
BLACK INTERIOR**

- 👑 Rectangular dimension made ¼" oversize  
Round Collar dimension made ¼" undersize
- 👑 All sizes 26 gauge
- 👑 2 ⅞" Deep Rectangular End  
2 ¾" Long Round Collar
- 👑 Black Interior

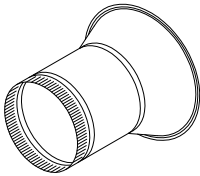
# COMMERCIAL TAKEOFF FITTINGS

## 3000 Series Takeoff Fittings for Commercial Duct Installation.

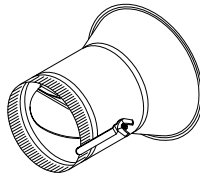
- ✠ Made to meet SMACNA gauge standards. Maximum 2" w.g. Positive Static Pressure. (SMACNA HVAC Duct Construction Standards Metal and Flexible - 2nd Edition 1995)
- ✠ Fabricated with continuous weld longitudinal seam for no air leakage at 2" w.g. static pressure. Eliminates air leaks caused by riveted or spot welded seams.
- ✠ Easy to install, features designed to reduce job installation costs.
- ✠ Specifications:
 

Collar Diameter	Galvanized Steel Gauge
4" through 8"	28 gauge
9" through 14"	26 gauge
16" through 20"	24 gauge
- ✠ Collar length is 5 1/2" - all sizes.
- ✠ "D" suffix designates fittings with reinforced axis manual volume damper.
  - Sizes 4" through 12" have reinforced damper axis with 1/4" regulator.
  - Sizes 14" through 20" have 3/8" continuous rod damper axis.
- ✠ "DS" suffix designates fittings with 2" damper handle standoff for blanket insulation.
  - Sizes 4" through 12" have reinforced damper axis with 1/4" regulator.
  - Sizes 14" through 20" have 3/8" continuous rod damper axis.
- ✠ "DS2" suffix designates fittings sized 4" through 12" with 2" damper handle standoff and 3/8" continuous rod damper axis.

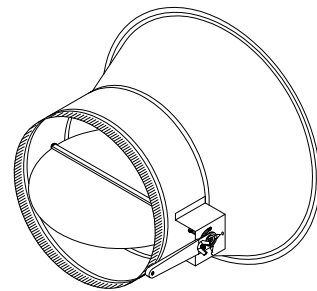
# CONICAL SPIN-IN TAKEOFF



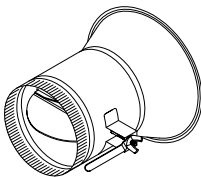
**3200 CONICAL SPIN-IN**



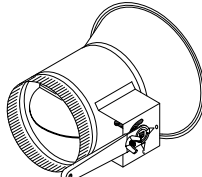
**3200-D CONICAL SPIN-IN**  
with DAMPER



**3200-DS CONICAL SPIN-IN**  
with 3/8" SOLID ROD AXIS  
& 2" STANDOFF (14" - 20")

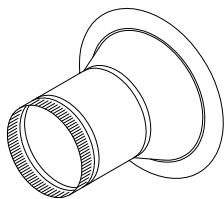


**3200-DS CONICAL SPIN-IN**  
with 2" DAMPER HANDLE  
STANDOFF (4" - 12")

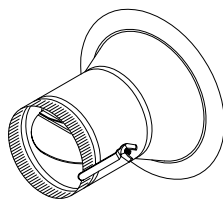


**3200-DS2 CONICAL SPIN-IN**  
with 3/8" SOLID ROD AXIS  
& 2" STANDOFF (4" - 12")

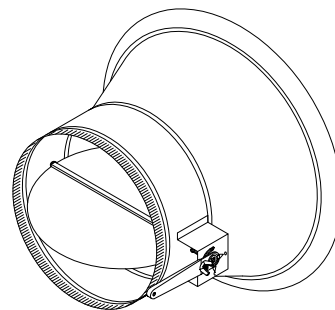
## CONICAL TAKEOFF



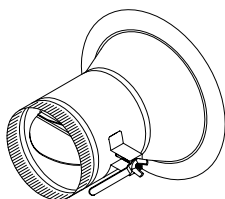
**3210 CONICAL**



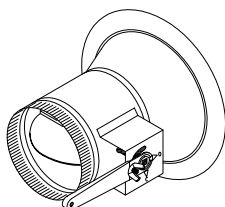
**3210-D CONICAL**  
with DAMPER



**3210-DS CONICAL**  
with  $\frac{3}{8}$ " SOLID ROD AXIS  
& 2" STANDOFF (14" - 20")



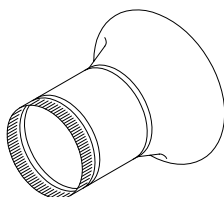
**3210-DS CONICAL**  
with 2" DAMPER HANDLE  
STANDOFF (4" - 12")



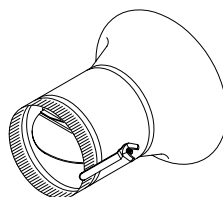
**3210-DS2 CONICAL**  
with  $\frac{3}{8}$ " SOLID ROD AXIS  
& 2" STANDOFF (4" - 12")

THE No. 3210 SERIES TAKEOFFS HAVE 1" WIDE GASKET ON THE OUTBOARD FLANGE.

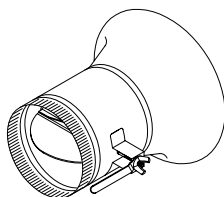
## BELLMOUTH TAKEOFF



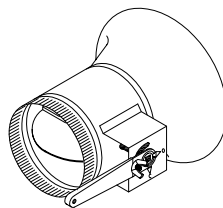
**3210-B BELLMOUTH**



**3210-BD BELLMOUTH**  
with DAMPER



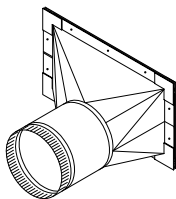
**3210-BDS BELLMOUTH**  
with 2" DAMPER HANDLE  
STANDOFF



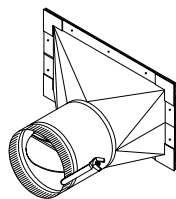
**3210-BDS2 BELLMOUTH**  
with  $\frac{3}{8}$ " SOLID ROD AXIS  
& 2" STANDOFF

THE No. 3210-B SERIES IS AVAILABLE IN 6", 8", 10" and 12" DIAMETERS.  
THE No. 3210-B SERIES TAKEOFFS HAVE GASKET MATERIAL ON THE OUTBOARD FLANGE.

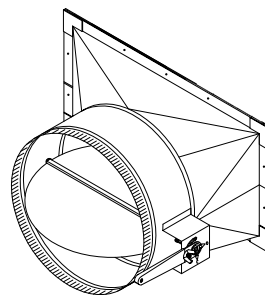
## RECTANGULAR TO ROUND TAKEOFF



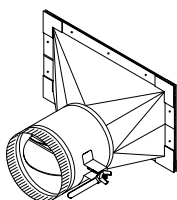
**3300 45° TAKEOFF**



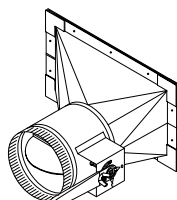
**3300-D 45° TAKEOFF**  
with DAMPER



**3300-DS 45° TAKEOFF**  
with  $\frac{3}{8}$ " SOLID ROD AXIS  
& 2" STANDOFF (14" - 20")



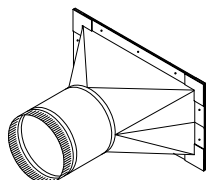
**3300-DS 45° TAKEOFF**  
with 2" DAMPER HANDLE  
STANDOFF (4" - 12")



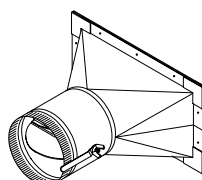
**3300-DS2 45° TAKEOFF**  
with  $\frac{3}{8}$ " SOLID ROD AXIS  
& 2" STANDOFF (4" - 12")

THE No. 3300 SERIES TAKEOFFS HAVE 1" WIDE GASKET ON THE RECTANGULAR OUTBOARD FLANGE.

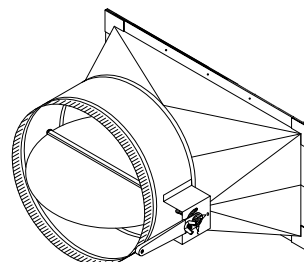
## RECTANGULAR TO ROUND TAKEOFF



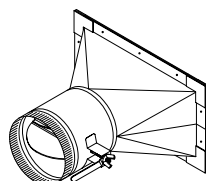
**3400 TAKEOFF**  
CENTER TAPER



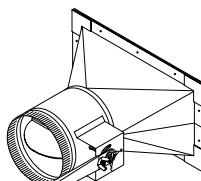
**3400-D TAKEOFF**  
CENTER TAPER  
with DAMPER



**3400-DS TAKEOFF**  
CENTER TAPER  
with  $\frac{3}{8}$ " SOLID ROD AXIS  
& 2" STANDOFF (14" - 20")



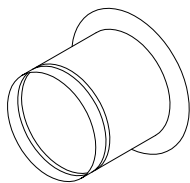
**3400-DS TAKEOFF**  
CENTER TAPER  
with 2" DAMPER HANDLE  
STANDOFF (4" - 12")



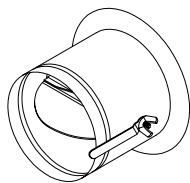
**3400-DS2 TAKEOFF**  
CENTER TAPER  
with  $\frac{3}{8}$ " SOLID ROD AXIS  
& 2" STANDOFF (4" - 12")

THE No. 3400 SERIES TAKEOFFS HAVE 1" WIDE GASKET ON THE RECTANGULAR OUTBOARD FLANGE.

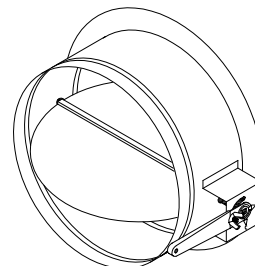
## STRAIGHT TAKEOFF



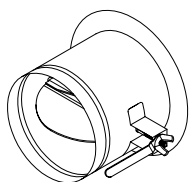
**3710 TAKEOFF**



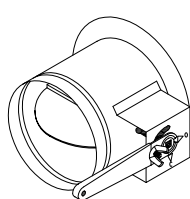
**3710-D TAKEOFF**  
with DAMPER



**3710-DS TAKEOFF**  
with  $\frac{3}{8}$ " SOLID ROD AXIS  
& 2" STANDOFF (14" - 20")



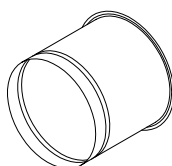
**3710-DS TAKEOFF**  
with 2" DAMPER HANDLE  
STANDOFF (4" - 12")



**3710-DS2 TAKEOFF**  
with  $\frac{3}{8}$ " SOLID ROD AXIS  
& 2" STANDOFF (4" - 12")

THE No. 3710 SERIES TAKEOFFS HAVE 1" WIDE GASKET ON THE OUTBOARD FLANGE.

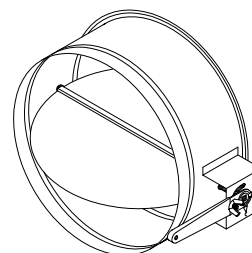
## STRAIGHT SPIN-IN TAKEOFF



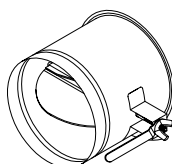
**3720 SPIN-IN TAKEOFF**



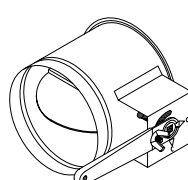
**3720-D SPIN-IN TAKEOFF**  
with DAMPER



**3720-DS SPIN-IN TAKEOFF**  
with  $\frac{3}{8}$ " SOLID ROD AXIS  
& 2" STANDOFF (14" - 20")

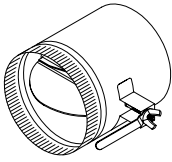


**3720-DS SPIN-IN TAKEOFF**  
with 2" DAMPER HANDLE  
STANDOFF (4" - 12")

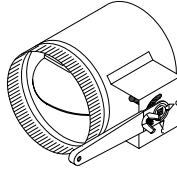


**3720-DS2 SPIN-IN TAKEOFF**  
with  $\frac{3}{8}$ " SOLID ROD AXIS  
& 2" STANDOFF (4" - 12")

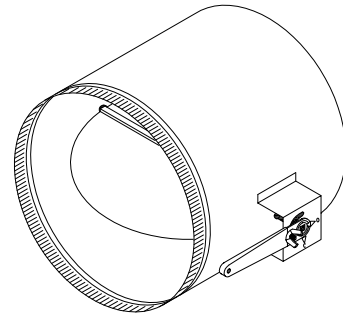
## DAMPER SLEEVES



**175-XS1 DAMPER SLEEVE**  
2" DAMPER HANDLE  
STANDOFF  
(SIZES 4" - 12")



**175-XS2 DAMPER SLEEVE**  
with  $\frac{3}{8}$ " SOLID ROD AXIS  
& 2" STANDOFF  
(4" - 12")



**175-XS2 DAMPER SLEEVE**  
with  $\frac{3}{8}$ " SOLID ROD AXIS  
& 2" STANDOFF  
(14" - 20")

## NOTES

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