

Stamped Fittings
LLC

Stamped

The *EDGE*[®]

Self-Sealing Round Duct System

The **EDGE**[®] System will eliminate the sealing of all connections in your spiral pipe system. This system will not only provide a labor savings for the installer, it is a high efficient duct system and also great for exposed systems.

FEATURES

- All fittings will have a factory installed EPDM gasket, which has an operating temperature rating of -20 °F to 212 °F.
- The smoke and flame spread rating is 0/0.
- The gasket construction is of a black EPDM two-wiper profile.
- The gasket is attached to the fitting with a 180° hemmed edge that will hold the gasket in place, as shown in the diagrams to the right.
- The connections are secured with self-tapping sheet metal screws per SMACNA standards.

The **EDGE**[®] System allows for substantial space for insertion of the screws, because the gasket is located on the leading EDGE of the fitting. (NOTE: The use of sheet metal screws with a rubber gasket would insure that all screw holes are sealed as well.

The **EDGE**[®] System has been tested in accordance to SMACNA's Air Duct Leakage Test Manual and meets SMACNA Class 3 leakage standards.

BENEFITS

- Stronger fitting
- Eliminates sharp edge
- Consistent diameter
- Factory installed resulting in a cost savings
- The **EDGE**[®] gasket is treated with anti-friction coating for easy installation.

The **EDGE**[®] – Fittings & Materials

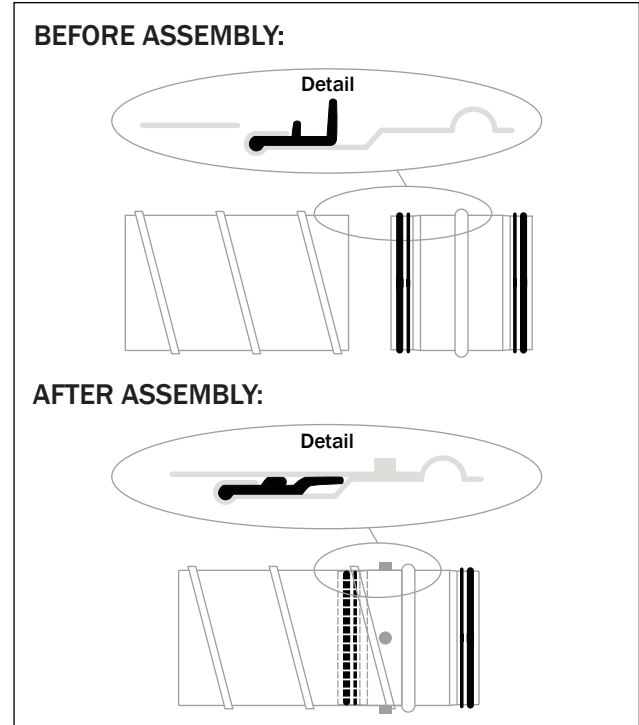
Fittings: 4"- 10" (all sizes), 12"- 60" (even sizes only)

Materials:

- Galvanized G60. Other materials available by request.
- Galvanized G90 also available by request.

All fittings will be fabricated, except for Galvanized Stamped Fittings[®] listed below:

Elbows	4"- 12" = Stamped/Stitch Welded
Bellmouths	4"- 12" = Stamped 14"- 24" = Spun
90° Tee	4"- 12" = Fabricated body with Stamped Saddle Tap
90° Tap	4"- 12" = Stamped
All Other Fittings	Any fitting can be fabricated with gasket attached. All products conform to SMACNA standards.



CONSTRUCTION (GAUGE)

- All duct and fittings are made per SMACNA's Duct Construction Standards (-2" W.G./+10" W.G.).
- Stamped Fittings are all 24 or 22 gauge.
- The following table shows diameter and gauges:

Stamped Fittings® Gauges				
	GDSE	GDSE1	GDST	GBT0
4"	24 ga.	24 ga.	24 ga.	24 ga.
5"	24 ga.	24 ga.	24 ga.	24 ga.
6"	24 ga.	24 ga.	24 ga.	24 ga.
7"	22 ga.	24 ga.	N/A	24 ga.
8"	22 ga.	24 ga.	24 ga.	24 ga.
9"	22 ga.	N/A	N/A	24 ga.
10"	22 ga.	24 ga.	24 ga.	24 ga.
12"	22 ga.	N/A	24 ga.	24 ga.

CONSTRUCTION (PIPE)

- Spiral pipe
- Calibration of spiral is required by **The EDGE® System** manufacturer, Stamped Fittings.

CONSTRUCTION (FITTINGS)

All **EDGE**® fittings, 4" – 60", will have a factory installed gasket that is attached to the fitting with a 180° hemmed edge for strength, rigidity and maintaining proper tolerances.

CONSTRUCTION (GASKET)

- **The EDGE**® gasket consists of a black EPDM rubber sealing material.
- The base and the sealing EPDM is classified according to ASTM D2000-86 M3BA 810 B13 C12 F17.
- The operating temperature is -20° F to 212° F.
- The smoke and flame spread is in accordance to ASTM 91A.

PRESSURE CLASS

- **The EDGE**® System has been tested and meets the requirements of SMACNA's Leakage Class 3.

JOINT CONNECTIONS

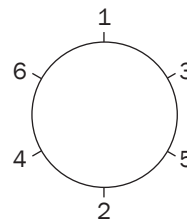
- All fittings are manufactured to slip fit into spiral duct.
- Any fitting to fitting connection can use a fitting coupling.

The EDGE® System fittings are made to fit tight, assuring a proper seal. Care should be taken when handling these fittings as damage could result in an improper fit and a difficult installation process.



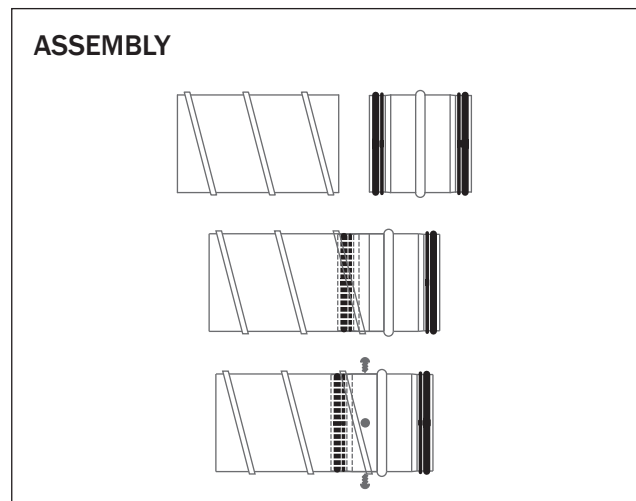
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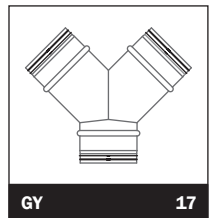
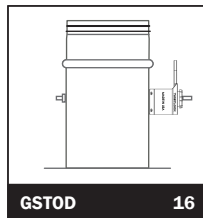
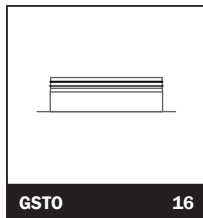
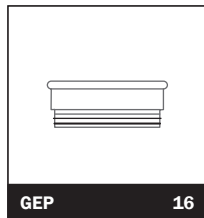
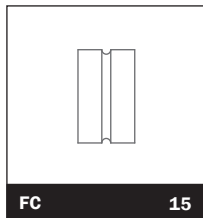
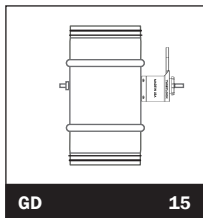
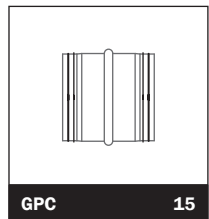
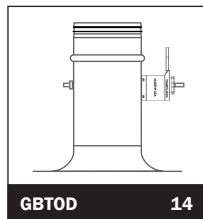
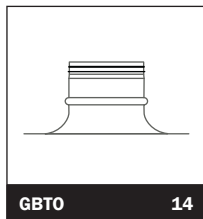
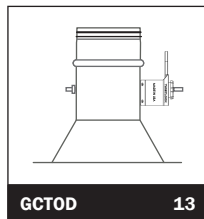
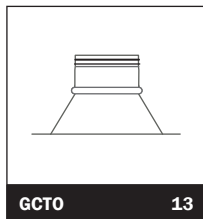
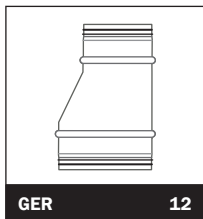
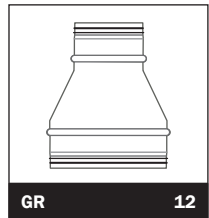
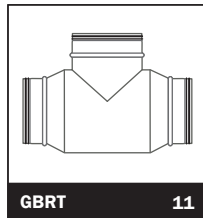
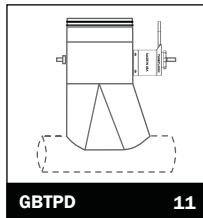
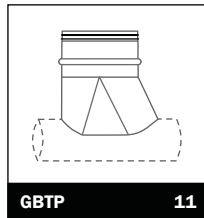
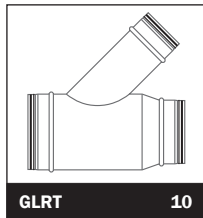
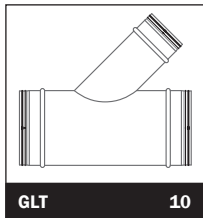
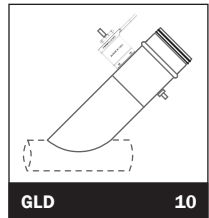
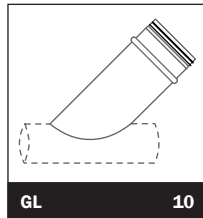
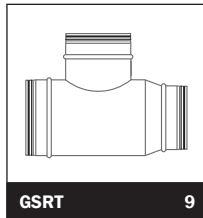
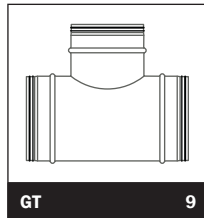
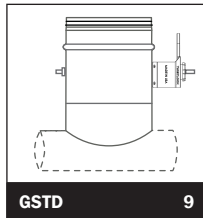
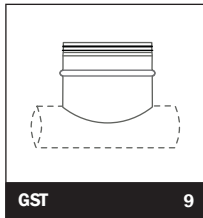
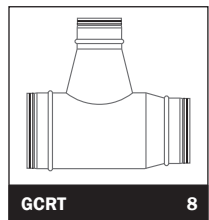
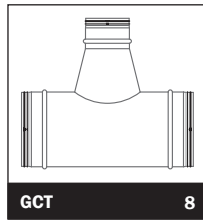
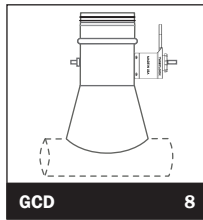
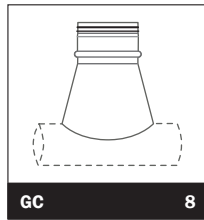
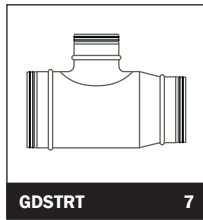
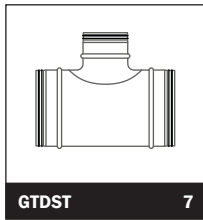
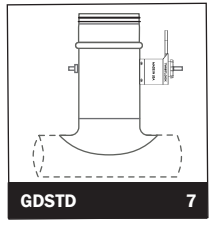
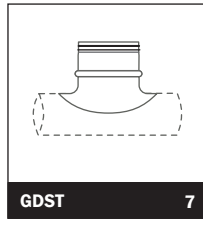
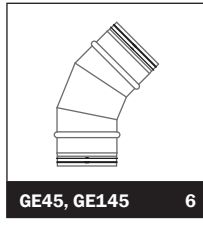
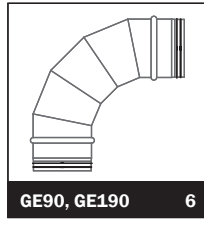
1. Place the hemmed EDGE of the fitting in the spiral pipe then apply pressure and the fitting will slip into place, stopping at the bead/pipe stop.
2. Placement of the fastening screws should be opposite from one another, evenly spaced around the circumference (see diagram). Screws should be placed approximately 1/2" from the bead in order to avoid damaging **The EDGE**® gasket. In the event of incorrect installation, holes caused by the screws must be sealed before reassembly.
3. Quantities and sizes to be used are listed in the table below.

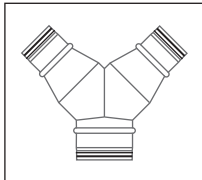


Spiral Duct Diameter	Screw Diameter	Quantity
3" - 5"	1/8"	2
6" - 10"	1/8"	3
12" - 24"	1/8"	4
26" - 36"	1/8"	6

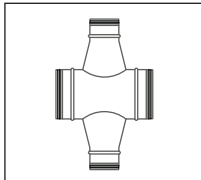
4. Always start the first fastener at the largest radial gap between fitting and duct. Be sure to achieve even distribution around the circumference.



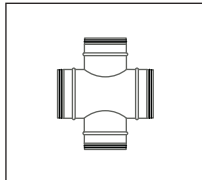




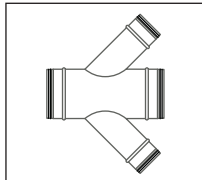
GRY 17



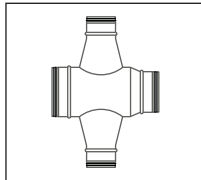
GCROSC 18



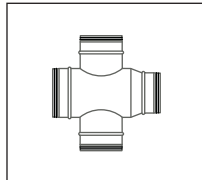
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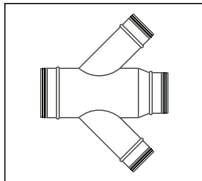
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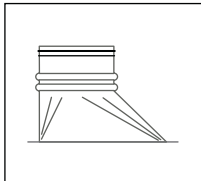
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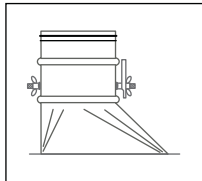
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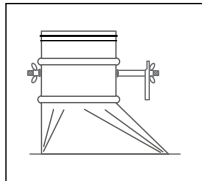
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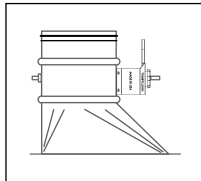
GHET 20



GHETD 20

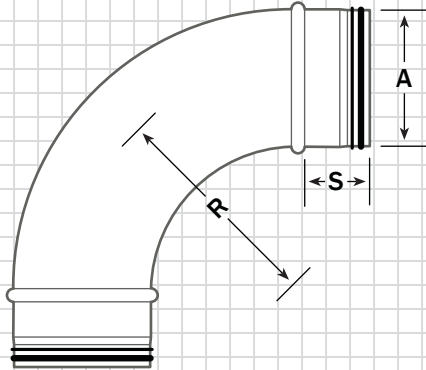


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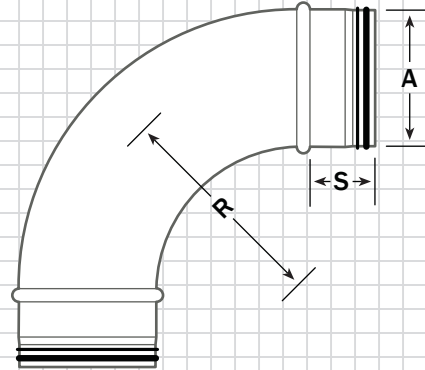


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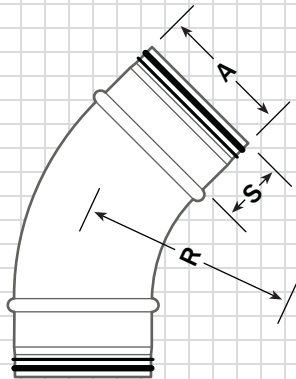
**Gasket 90° Die Stamped 1.5 CLR Elbow
Galvanized (GDSE90)
Galvaneal (GNDSE90)**



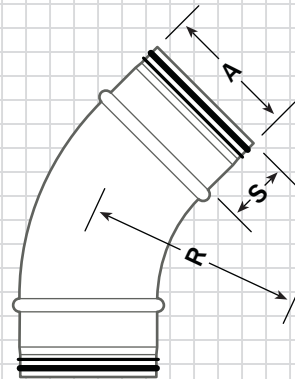
**Gasket 90° Die Stamped 1.0 CLR Elbow
Galvanized (GDSE190)**



**Gasket 45° Die Stamped 1.5 CLR Elbow
Galvanized (GDSE45)
Galvaneal (GNDSE45)**



**Gasket 45° Die Stamped 1.0 CLR Elbow
Galvanized (GDSE145)**



Key

A = 4" - 10" (all sizes), 12"
R = 1-1/2 A (centerline radius)
S = 2"

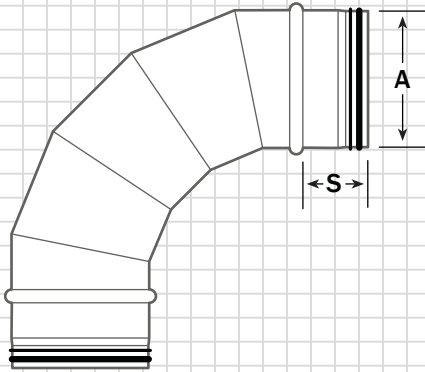
Key

A = 4" - 8" (all sizes), 10"
R = 1A (centerline radius)
S = 2"

Gauge

GDSE: 4" - 6" = 24 ga.; 7" - 12" = 22 ga.
GDSE1: 4" - 10" = 24 ga.
GNDSE: 4" - 12" = 22 ga.

Gasket 90° Elbow
1.5 CLR (GE90)
1.0 CLR (GE190)



Key

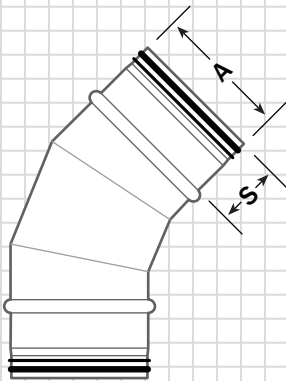
A = 4" - 10" (all sizes), 12" - 60" (even sizes only)
 S = 2"

- Specify CLR (1.5, 1.0, etc.)
- Specify Degree (15°, 22.5°, 30°, 45°, 60°, 90°, etc.)
- Up to 30° = 2 Piece
- 30° + up to but not including 60° = 3 Piece
- 60° + up to but not including 90° = 4 Piece
- 90° (1.5 CLR) = 5 Piece
- 90° (1.0 CLR) = 4 Piece

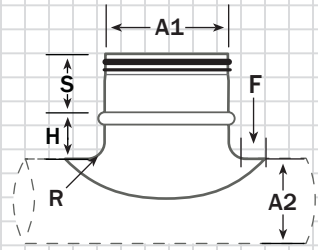
Gauge

4" - 24" = 24 ga.
 26" - 36" = 22 ga.

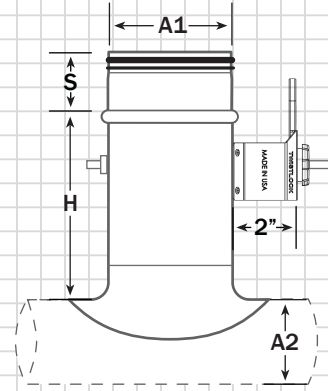
Gasket 45° Elbow
1.5 CLR (GE45)
1.0 CLR (GE145)



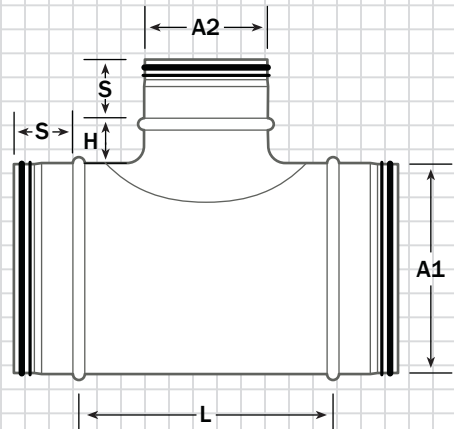
Gasket 90° Die Stamped Saddle Tap (GDST)



Gasket 90° Die Stamped Saddle Tap with Damper (GDSTD)

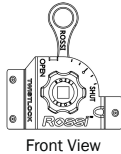


Gasket 90° Tee with Die Stamped Saddle Tap (GTDST)

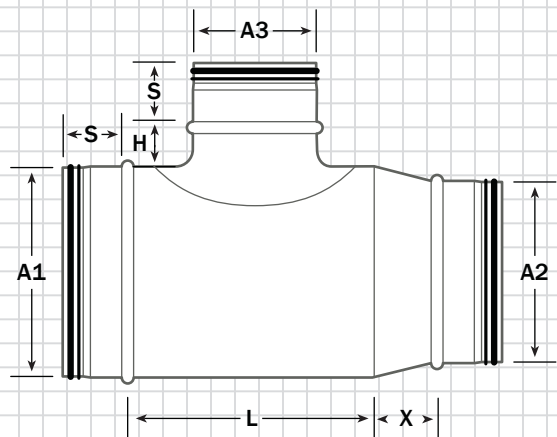


Low-Leakage Dampers:

- 2" Stand-off
- Nylon bushings
- Locking handle
- 3/8" Continuous square rod
- All dampers to be installed 90° from the inlet of airflow



Gasket 90° Reducing Tee with Die Stamped Saddle Tap (GDSTRT)



Dimensions

A1	A2	S	R	F	H (GDST)	H (GDSTD)
4"	All	2"	0.787"	1"	N/A (no bead)	7.5"
5"	All	2"	0.787"	1"	N/A (no bead)	7.375"
6"	6"	2"	0.787"	1"	0.375"	8.25"
6"	8"	2"	0.787"	1"	1"	8.25"
6"	10/12"	2"	0.787"	1"	1"	8.25"
6"	14/16/18"	2"	0.787"	1"	1"	8.25"
6"	20/22/24"	2"	0.787"	1"	1"	8.25"
8"	8"	2"	1"	1"	0.375"	8.5"
8"	10"	2"	1"	1"	1"	8.5"
8"	12/14"	2"	1"	1"	1"	8.5"
8"	16/18"	2"	1"	1"	1"	8.5"
8"	20/22/24"	2"	1"	1"	1"	8.5"
10"	10"	2"	1"	2"	0.375"	8.5"
10"	12"	2"	1"	2"	1.25"	8.5"
10"	14/16"	2"	1"	2"	1.25"	8.5"
10"	18/20"	2"	1"	2"	1.25"	8.5"
10"	22/24"	2"	1"	2"	1.25"	8.5"
12"	12"	2"	1"	2"	0.5"	8.5"
12"	14/16"	2"	1"	2"	1.25"	8.5"
12"	18/20"	2"	1"	2"	1.25"	8.5"
12"	22/24"	2"	1"	2"	1.25"	8.5"

Key (GDST & GDSTD)

A1 = 4", 5", 6", 8", 10", 12"
 A2 = Up to 24" (A2 is greater than or equal to A1)

Key (GTDST)

A1 = Up to 24" (A1 is greater than or equal to A2)
 A2 = 4", 5", 6", 8", 10", 12"
 L = A2 + 4"

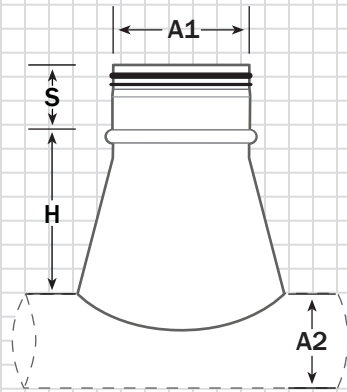
Key (GDSTRT)

A1 = Up to 24" (A1 is greater than or equal to A2)
 A2 = Up to 24" (A2 is less than A1)
 A3 = 4", 5", 6", 8", 10", 12"
 L = A3 + 4"
 X = A1 - A2 (4" minimum)

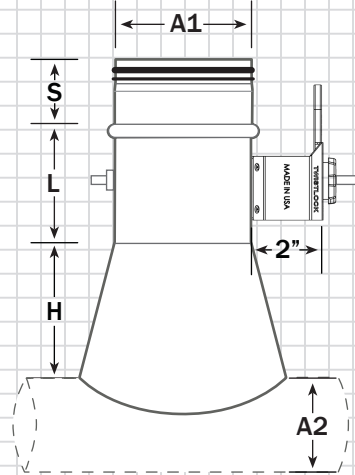
Gauge

All sizes = 24 ga.

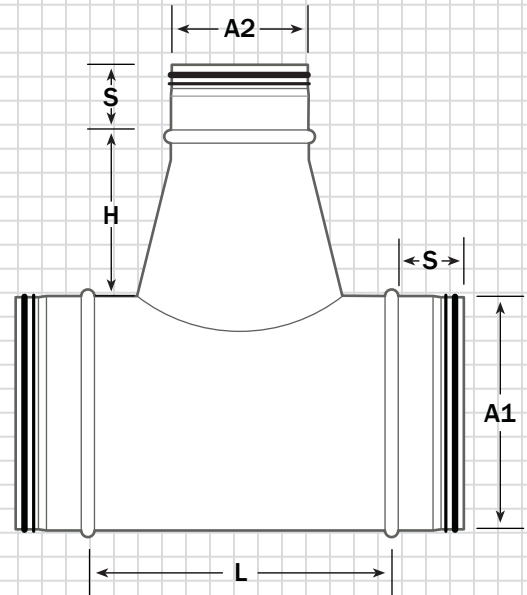
Gasket 90° Conical (GC)



Gasket 90° Conical with Damper (GCD)



Gasket 90° Conical Tee (GCT)



Key (GC)

Sizes Available for A1:
4" - 10" (all sizes), 12" - 60" (even sizes only)
A2 is greater than A1
S = 2"
H = 5"

Key (GCD)

Sizes Available for A1:
4" - 10" (all sizes), 12" - 60" (even sizes only)
A2 is greater than A1
S = 2"
H = 5"
L = 3.5"

Key (GCT)

Sizes Available for A1 & A2:
4" - 10" (all sizes), 12" - 60" (even sizes only)
A1 is greater than A2
S = 2"
H = 5"
L = A2 + 4"

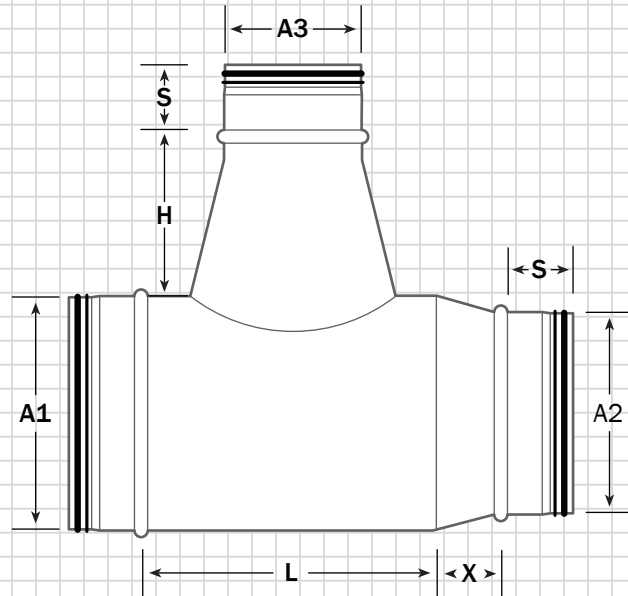
Key (GCRT)

Sizes Available for A1, A2 & A3:
4" - 10" (all sizes), 12" - 60" (even sizes only)
A1 is greater than A3, A2 is less than A1
S = 2"
H = 5"
L = A3 + 4"
X = A1 - A2 (4" minimum)

Gauge

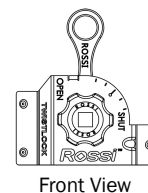
4" - 24" = 24 ga.
26" - 36" = 22 ga.

Gasket 90° Conical Reducing Tee (GCRT)

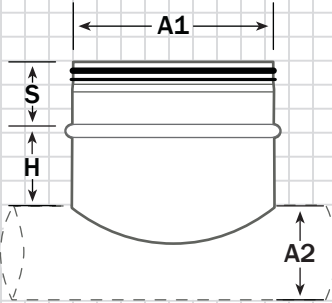


Low-Leakage Dampers:

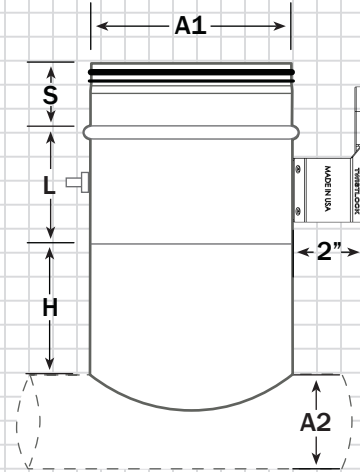
- 2" Stand-off
- Nylon bushings
- Locking handle
- 3/8" Continuous square rod
- All dampers to be installed 90° from the inlet of airflow



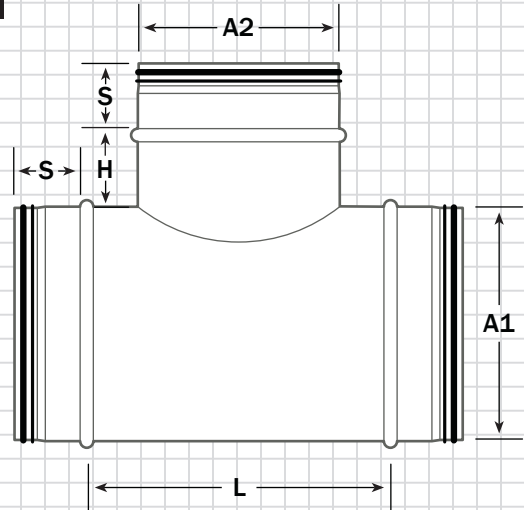
Gasket Straight Tap (GST)



Gasket 90° Straight Tap with Damper (GSTD)



Gasket 90° Tee (GT)



Key (GST)

Sizes Available for A1:
 4"- 10" (all sizes), 12"- 60" (even sizes only)
 A2 is greater than or equal to A1
 S = 2"
 H = 2"

Key (GSTD)

Sizes Available for A1:
 4"- 10" (all sizes), 12"- 60" (even sizes only)
 A2 is greater than A1
 S = 2"
 H = 4"
 L = 3.5"

Key (GT)

Sizes Available for A1 & A2:
 4"- 10" (all sizes), 12"- 60" (even sizes only)
 A1 is greater than or equal to A2
 S = 2"
 H = 2"
 L = A2 + 4"

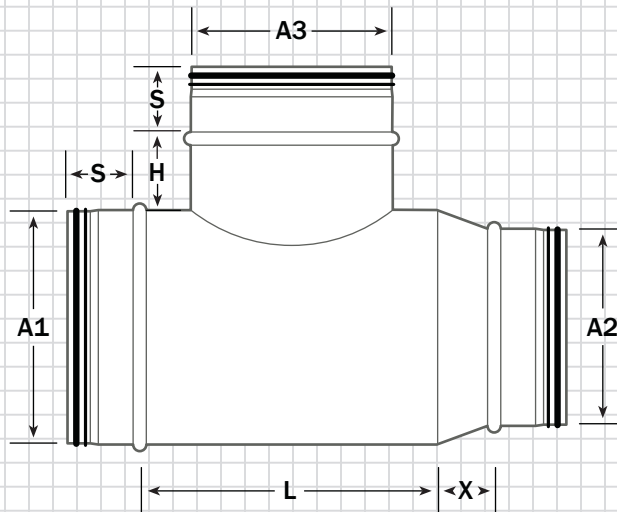
Key (GSRT)

Sizes Available for A1, A2 & A3:
 4"- 10" (all sizes), 12"- 60" (even sizes only)
 A1 is greater than A3, A2 is less than A1
 S = 2"
 H = 2"
 L = A3 + 4"
 X = A1 - A2 (4" minimum)

Gauge

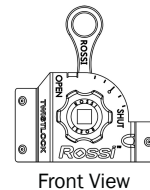
4"- 24" = 24 ga.
 26"- 36" = 22 ga.

Gasket 90° Straight Reducing Tee (GSRT)

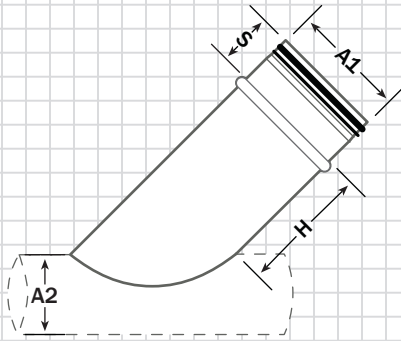


Low-Leakage Dampers:

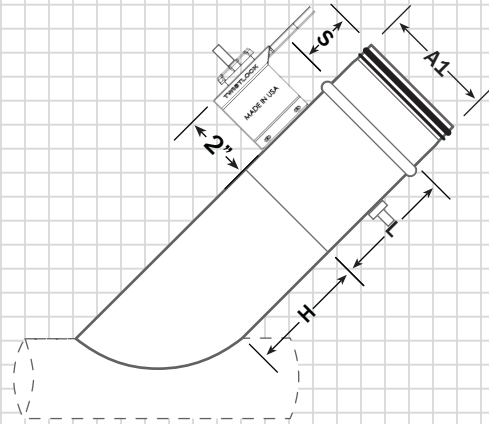
- 2" Stand-off
- Nylon bushings
- Locking handle
- 3/8" Continuous square rod
- All dampers to be installed 90° from the inlet of airflow



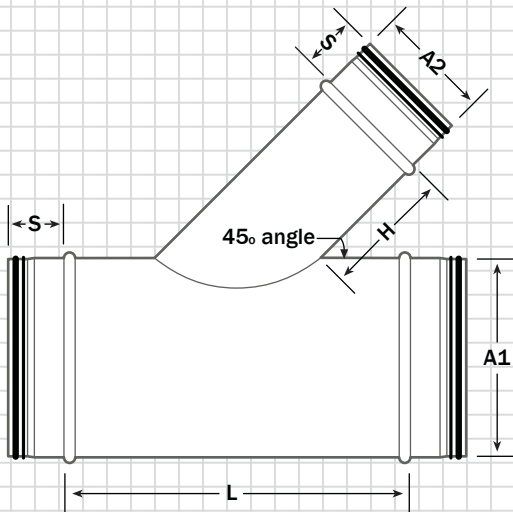
Gasket 45° Lateral (GL)



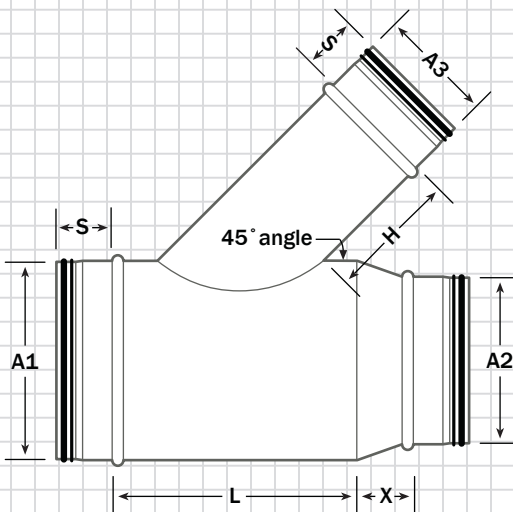
Gasket 45° Lateral with Damper (GLD)



Gasket 45° Lateral Tee (GLT)

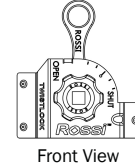


Gasket 45° Lateral Reducing Tee (GLRT)



Low-Leakage Dampers:

- 2" Stand-off
- Nylon bushings
- Locking handle
- 3/8" Continuous square rod
- All dampers to be installed 90° from the inlet of airflow



Key (GL)

- Sizes Available for A1:**
 4" - 10" (all sizes), 12" - 60" (even sizes only)
A2 is greater than **A1**
S = 2"
H = 4"

Key (GLD)

- Sizes Available for A1:**
 4" - 10" (all sizes), 12" - 60" (even sizes only)
A2 is greater than or equal to **A1**
S = 2"
H = 4"
L = 3.5"

Key (GLT)

- Sizes Available for A1 & A2:**
 4" - 10" (all sizes), 12" - 60" (even sizes only)
A1 is greater than or equal to **A2**
S = 2"
H = 4"
L = (**A2** x 1.414) + 4"

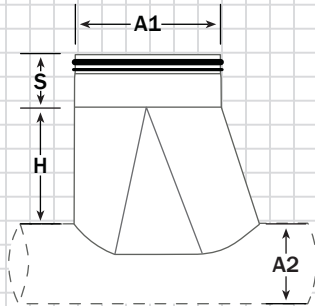
Key (GLRT)

- Sizes Available for A1, A2 & A3:**
 4" - 10" (all sizes), 12" - 60" (even sizes only)
A1 is greater than or equal to **A3**
A2 is less than **A1**
S = 2"
H = 4"
L = (**A3** x 1.414) + 4"
X = **A1** - **A2** (4" minimum)

Gauge

- 4" - 24" = 24 ga.
 26" - 36" = 22 ga.

90° Gasket Boot/Shoe Tap (GBTP)



Key (GBTP)

A1 = 4" - 10" (all sizes), 12" - 60" (even sizes only)
A2 is greater than or equal to **A1**
S = 2"
H = 5"

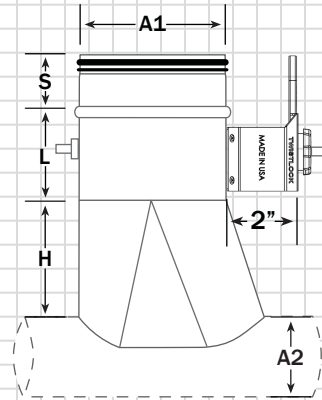
Key (GBTPD)

A1 = 4" - 10" (all sizes), 12" - 60" (even sizes only)
A2 is greater than or equal to **A1**
S = 2"
L = 3.5"
H = 5"

Gauge

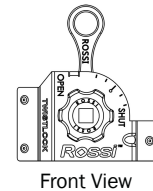
4" - 24" = 24 ga.
 26" - 36" = 22 ga.

90° Gasket Boot/Shoe Tap with Damper (GBTPD)



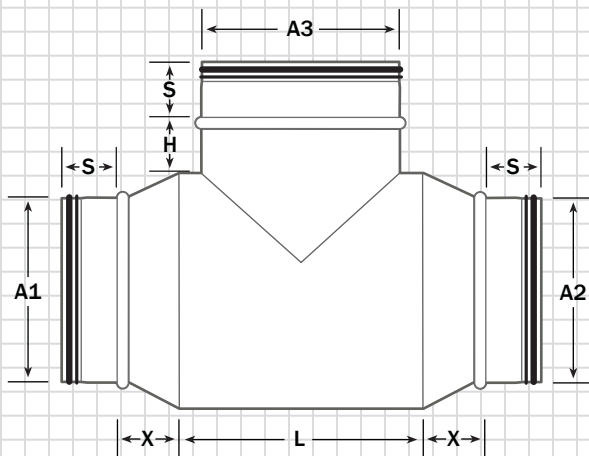
Low-Leakage Dampers:

- 2" Stand-off
- Nylon bushings
- Locking handle
- 3/8" Continuous square rod
- All dampers to be installed 90° from the inlet of airflow



Front View

Gasket Reducing Bull Head Tee (GBRT)



Key (GBRT)

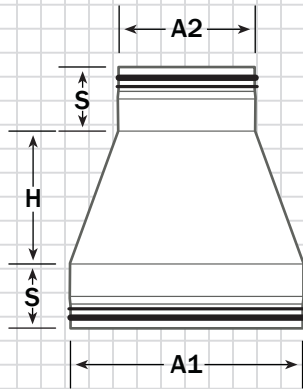
S = 2"
H = 2"
L = **A3** + 4"
X = 4" minimum
A3 > **A1** or **A2**

Order as: in, out, branch (**A1**, **A2**, **A3**)

Gauge

4" - 24" = 24 ga.
 26" - 36" = 22 ga.

Gasket Concentric Reducer (GR)



Key (GR)

Sizes Available for A1 & A2:

4" - 10" (all sizes), 12" - 60" (even sizes only)

S = 2"

H = 4" if the change in diameter (**A1** - **A2**) is less than or equal to 6"

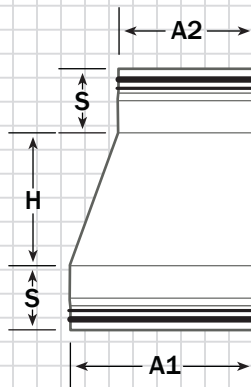
- If the change in diameter (**A1** - **A2**) is greater than 6" then **H** = **A1** - **A2**
- Please specify any other length, if not the standard.

Gauge

4" - 24" = 24 ga.

26" - 36" = 22 ga.

Gasket Eccentric Reducer (GER)



Key (GER)

Sizes Available for A1 & A2:

4" - 10" (all sizes), 12" - 60" (even sizes only)

S = 2"

H = (**A1** - **A2**) x 2

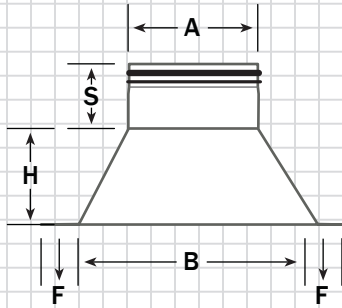
- **H** minimum = 7-3/4"
- Please specify any other length, if not the standard.

Gauge

4" - 24" = 24 ga.

26" - 36" = 22 ga.

Gasket Conical Take-off (GCTO)



Key (GCTO)

- A = 4" - 10" (all sizes), 12" - 60" (even sizes only)
- B = A + 1.5"
- S = 2"
- H = 3 - 3/4"
- F = 3/4" flange (.75")

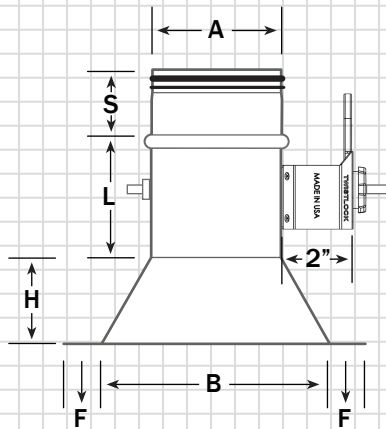
Key (GCTOD)

- A = 4" - 10" (all sizes), 12" - 60" (even sizes only)
- B = A + 1.5"
- S = 2"
- L = 3.5"
- H = 3 - 3/4"
- F = 3/4" flange (.75")

Gauge

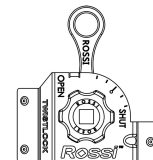
- 4" - 24" = 24 ga.
- 26" - 36" = 22 ga.

Gasket Conical Take-off with Damper (GCTOD)



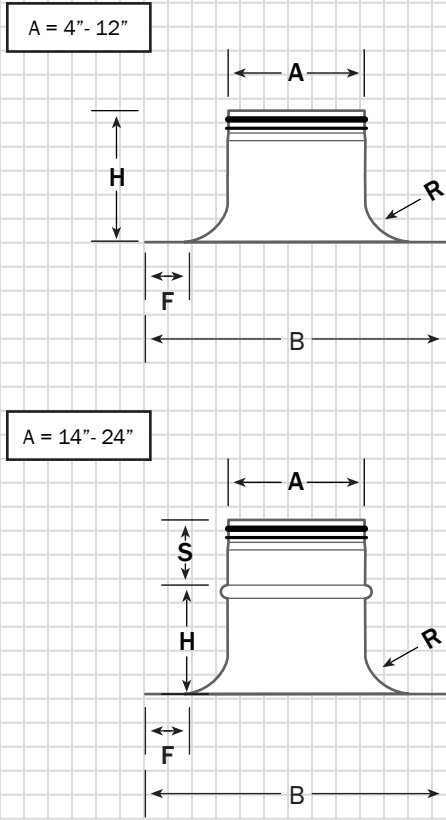
Low-Leakage Dampers:

- 2" Stand-off
- Nylon bushings
- Locking handle
- 3/8" Continuous square rod
- All dampers to be installed 90° from the inlet of airflow

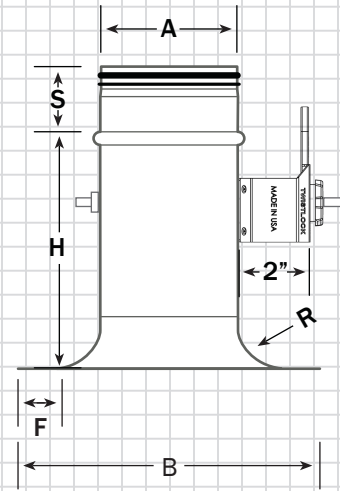


Front View

Gasket Bellmouth Take-off (GBT0)

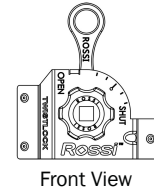


Gasket Bellmouth Take-off with Damper (GBTOD)



Low-Leakage Dampers:

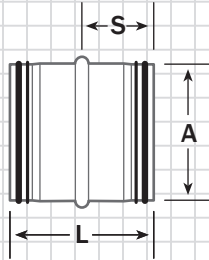
- 2" Stand-off
- Nylon bushings
- Locking handle
- 3/8" Continuous square rod
- All dampers to be installed 90° from the inlet of airflow



Dimensions							
A	B	S (GBT0)	S (GBTOD)	R	F	H (GBT0)	H (GBTOD)
4"	7"	N/A	2"	.394"	1"	2.25"	5.75"
5"	8"	N/A	2"	.472"	1"	2.25"	5.75"
6"	9.25"	N/A	2"	.787"	1"	2.625"	6"
7"	10.5"	N/A	2"	1.0"	1"	3.25"	6.75"
8"	12"	N/A	2"	1.0"	1"	2.75"	6.25"
9"	13"	N/A	2"	1.0"	1"	3.25"	6.75"
10"	13.625"	N/A	2"	1.0"	1"	2.75"	6.25"
12"	15.625"	N/A	2"	1.0"	1"	3"	6.5"
14"	18"	2"	2"	2.0"	0.5"	6"	10.25"
16"	20"	2"	2"	2.0"	0.5"	8.75"	12.25"
18"	22"	2"	2"	2.0"	0.5"	8.75"	12.25"
20"	24"	2"	2"	2.0"	0.5"	8.75"	12.25"
22"	26"	2"	2"	2.0"	0.5"	8.75"	12.25"
24"	28"	2"	2"	2.0"	0.5"	8.75"	12.25"

Key	
A = Diameter	B = Overall width
R = Radius	H = Overall height
F = Flange length	S = Bead to end
Materials	
<ul style="list-style-type: none"> • Galvanized (4" - 12"), 24 ga., stamped • Galvanized (14" - 24"), 20 ga., spun 	

Gasket Pipe Coupling (GPC)



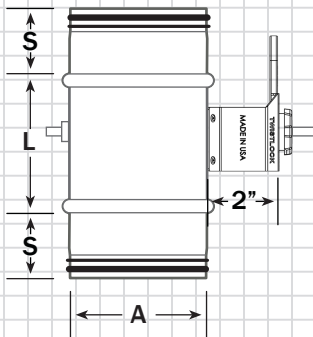
Key (GPC)

A = 4" - 10" (all sizes), 12" - 60" (even sizes only)
 S = 2"
 L = 4"

Gauge

4" - 24" = 24 ga.
 26" - 36" = 22 ga.

Gasket Damper (GD)



Key (GD)

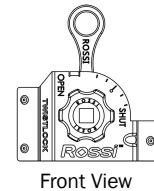
A = 4" - 10" (all sizes), 12" - 60" (even sizes only)
 S = 2"
 L = 4.25"

Gauge

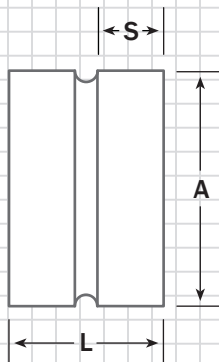
4" - 24" = 24 ga.
 26" - 36" = 22 ga.

Low-Leakage Dampers:

- 2" Stand-off
- Nylon bushings
- Locking handle
- 3/8" Continuous square rod
- All dampers to be installed 90° from the inlet of airflow



Fitting Coupling (FC)



Key (FC)

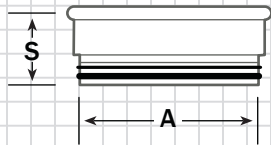
A = 4" - 10" (all sizes), 12" - 60" (even sizes only)
 S = 2"
 L = 4.75"

* This product is pipe size for use with fitting to fitting application.

Gauge

4" - 24" = 24 ga.
 26" - 36" = 22 ga.

Gasket End Plug (GEP)



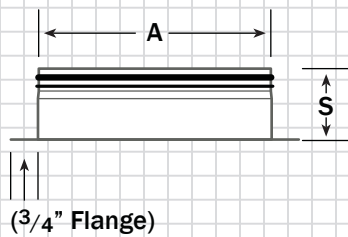
Key (GEP)

A = 4" - 10" (all sizes), 12" - 60" (even sizes only)
 S = 2" (4" - 16")
 S = 3" (18" - 36")

Gauge

4" - 24" = 24 ga.
 26" - 36" = 22 ga.

Gasket Straight Take-off (GSTO)



Key (GSTO)

A = 4" - 10" (all sizes), 12" - 60" (even sizes only)
 S = 2"

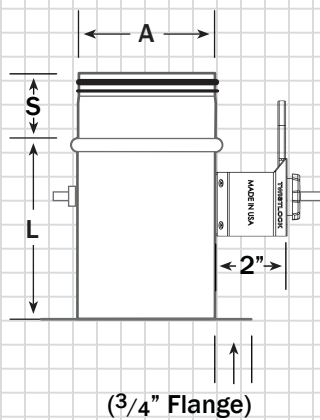
Key (GSTOD)

A = 4" - 10" (all sizes), 12" - 60" (even sizes only)
 S = 2"
 L = 6"

Gauge

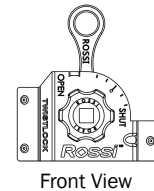
4" - 24" = 24 ga.
 26" - 36" = 22 ga.

Gasket Straight Take-off with Damper (GSTOD)



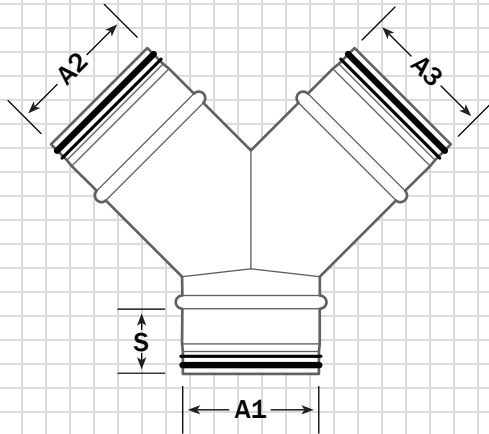
Low-Leakage Dampers:

- 2" Stand-off
- Nylon bushings
- Locking handle
- 3/8" Continuous square rod
- All dampers to be installed 90° from the inlet of airflow



Front View

Gasket Y Branch (GY)



Key (GY)

Sizes Available for **A1, A2, & A3:**
 4" - 10" (all sizes), 12" - 60" (even sizes only)
S = 2"

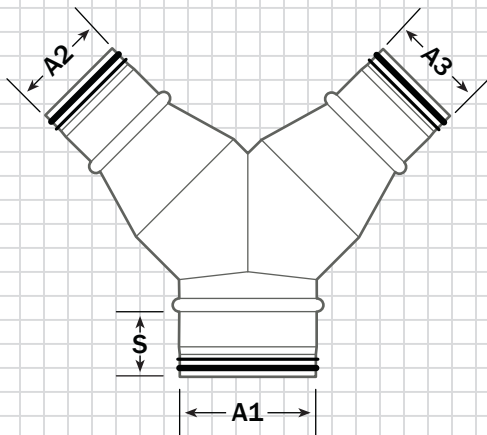
Key (GRY)

Sizes Available for **A1, A2, & A3:**
 4" - 10" (all sizes), 12" - 60" (even sizes only)
A2 & A3 are less than A1
S = 2"

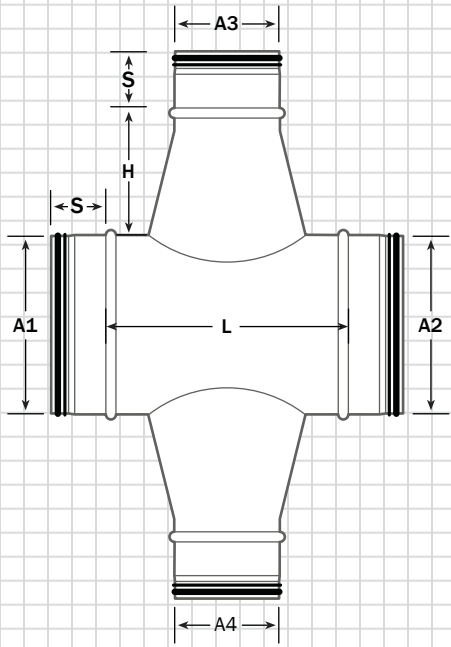
Gauge

4" - 24" = 24 ga.
 26" - 36" = 22 ga.

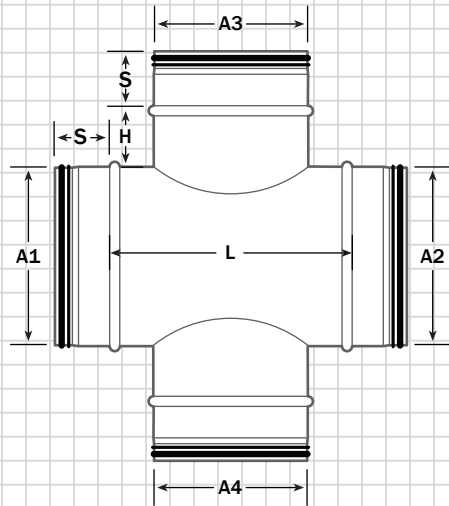
Gasket Reducing Y Branch (GRY)



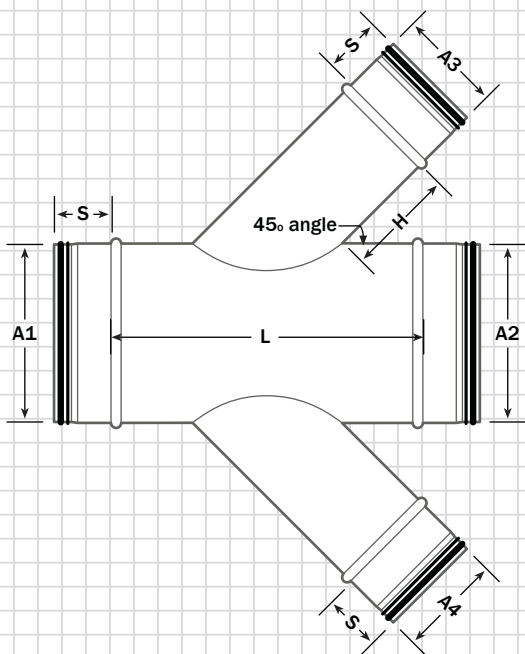
Gasket Conical Cross (GCROSC)



Gasket Straight Cross (GCROSS)



Gasket 45° Lateral Cross (GCROSL)



Key (GCROSC)

Sizes Available for A1, A2, A3 & A4:
 4" - 10" (all sizes), 12" - 60" (even sizes only)
 A1 & A2 is greater than A3 & A4 (= 2" min.)
 A3 is greater than or equal to A4
 S = 2"
 H = 5"
 L = A3 + 4"

Key (GCROSS)

Sizes Available for A1, A2, A3 & A4:
 4" - 10" (all sizes), 12" - 60" (even sizes only)
 A1 & A2 is greater than or equal to A3 & A4
 A3 is greater than or equal to A4
 S = 2"
 H = 2"
 L = A3 + 4"

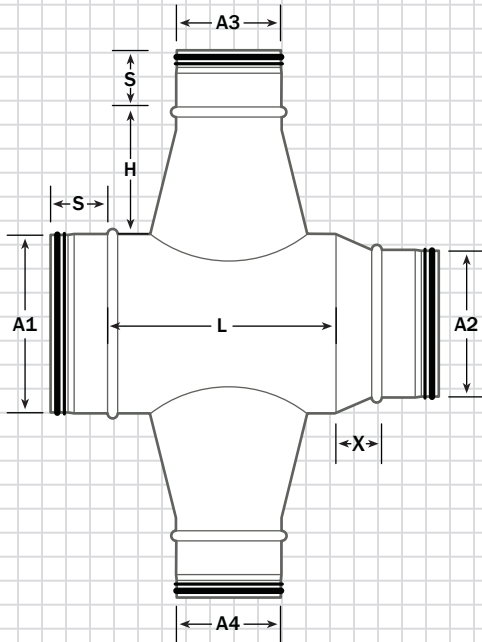
Key (GCROSL)

Sizes Available for A1, A2, A3 & A4:
 4" - 10" (all sizes), 12" - 60" (even sizes only)
 A1 & A2 is greater than or equal to A3 & A4
 A3 is greater than or equal to A4
 S = 2"
 H = 4"
 L = (A3 x 1.414) + 4"

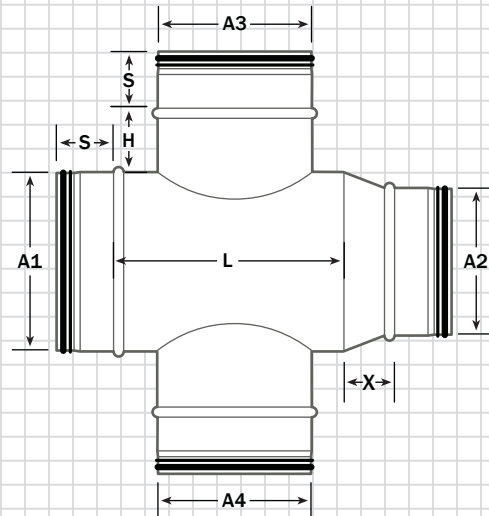
Gauge

4" - 24" = 24 ga.
 26" - 36" = 22 ga.

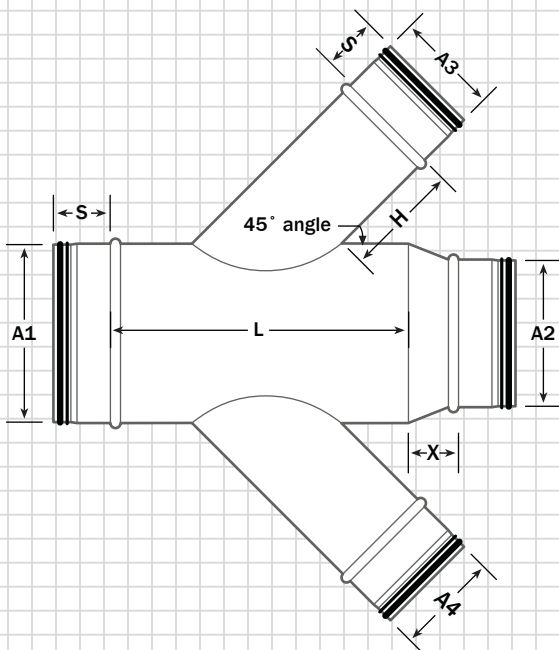
Gasket Reducing Conical Cross (GRCC)



Gasket Reducing Straight Cross (GRCS)



Gasket Reducing 45° Lateral Cross (GRCL)



Key (All)

Sizes available for A1, A2, A3 & A4:
 4"-10" (all sizes), 12"-60" (even sizes only)
 A1 is greater than A3 & A4 (= 2" min.)
 A2 is less than A1
 A3 is greater than or equal to A4
 S = 2"
 X = A1 - A2 (4" minimum)

Key (GRCC)

L = A3 + 4"
 H = 5"

Key (GRCS)

L = A3 + 4"
 H = 2"

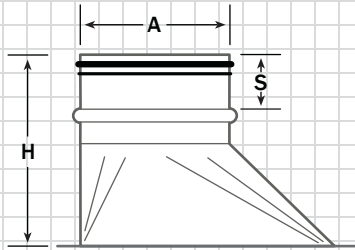
Key (GRCL)

L = (A3 x 1.414) + 4"
 H = 4"

Gauge

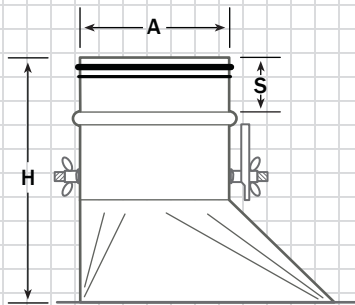
4" - 24" = 24 ga.
 26" - 36" = 22 ga.

**Gasket High Efficiency Take-off
No Damper (GHET)**



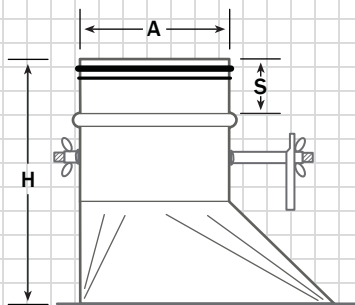
Dimensions (GHET)			
A	S	Rectangle Opening	H
4"	2"	8" x 6"	9.25"
5"	2"	10" x 6"	8"
6"	2"	12" x 6"	8"
7"	2"	12" x 6"	9"
8"	2"	12" x 6"	7.75"
9"	2"	15" x 6"	10"
10"	2"	16" x 6.75"	9.25"
12"	2"	18" x 8.5"	9.5"
14"	2"	20" x 9.5"	10"
16"	2"	24" x 12"	11.25"

**Gasket High Efficiency Take-off
Standard Damper Hardware (GHETD)**

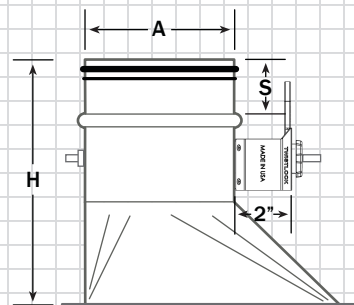


Dimensions (GHETD/GHETD2S/GHETDHD)			
A	S	Rectangle Opening	H
4"	2"	8" x 6"	12.25"
5"	2"	10" x 6"	10.75"
6"	2"	12" x 6"	11.25"
7"	2"	12" x 6"	12.25"
8"	2"	12" x 6"	11"
9"	2"	15" x 6"	13"
10"	2"	16" x 6.75"	12.75"
12"	2"	18" x 8.5"	12.75"
14"	2"	20" x 9.5"	13.75"
16"	2"	24" x 12"	14.75"

**Gasket High Efficiency Take-off
Standard Damper Hardware with
2" Extension (GHETD2S)**



**Gasket High Efficiency Take-off
Heavy Duty 2" Stand-off (GHETDHD)**



Materials
Galvanized 24 gauge
Features
<ul style="list-style-type: none"> • Continuous weld on longitudinal seam for zero air leakage at 2" WG static pressure • 1" wide flange with peel and stick gasket and pre-drilled holes for ease of installation

Low-Leakage Dampers:

- 2" Stand-off
- Nylon bushings
- Locking handle
- 3/8" Continuous square rod
- All dampers to be installed 90° from the inlet of airflow

