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SPIRAL



FITTINGS, INC.



FULL CATALOG

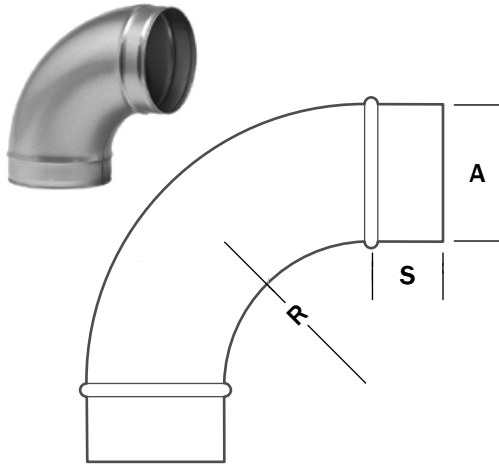
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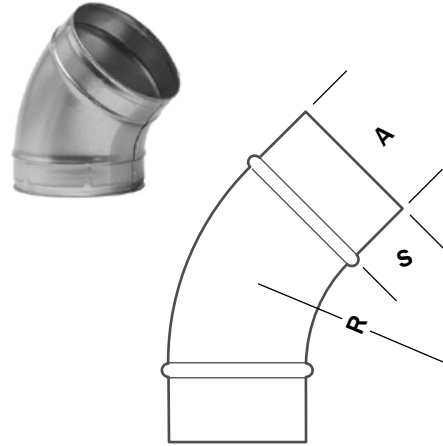
Pressed Elbows

90 Die Stamped Flangeless Elbow



Dimension		
(A)	90°(R)	Wt. Per Elbow
3"	4.5"	0.8 lbs
4"	6.0"	1.4 lbs
5"	7.5"	1.8 lbs
6"	9.0"	2.2 lbs
7"	10.5"	3.5 lbs
8"	12.0"	4.7 lbs
9"	13.5"	6.1 lbs
10"	15.0"	7.6 lbs
12"	18.0"	10.2 lbs

45 Die Stamped Flangeless Elbow

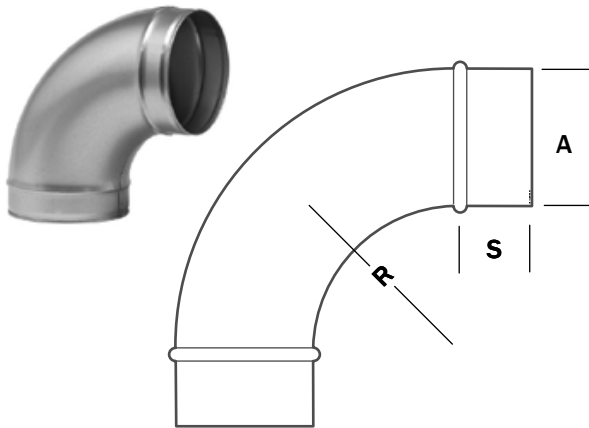


Dimensions		
(A)	45°(R)	Wt. Per Elbow
3"	4.5"	0.6 lbs
4"	6.0"	0.8 lbs
5"	7.5"	1.0 lbs
6"	9.0"	1.5 lbs
7"	10.5"	1.8 lbs
8"	12.0"	3.0 lbs
9"	13.5"	3.5 lbs
10"	15.0"	4.2 lbs
12"	18.0"	6.5 lbs

Key	Materials Available	Welding Process
A = Diameter, nominal size R = 1-1/2 A (centerline radius) S = 2"	- Galvanized (3" - 7"), 24 ga. - Galvanized (8" - 12"), 22 ga. - Galvaneal (Paint grip) 24 ga. - Galvaneal (Paint grip) 22 ga.	Flangeless elbows are continuously stitch welded on the throat and heel from end to end (<i>past the bead</i>).

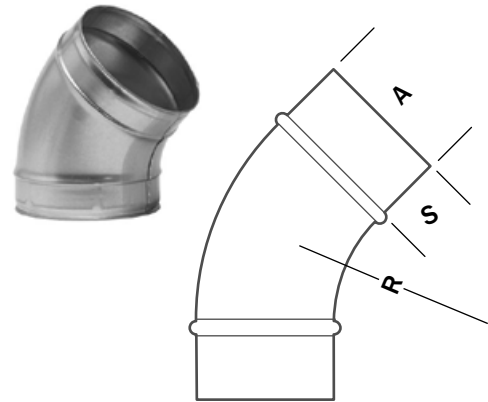
Pressed Elbows

90 Die Stamped 1.0 CLR Flangeless Elbow



Dimensions		
(A)	90° (R)	Wt. Per Elbow
4"	4.0"	0.8 lbs
5"	5.0"	1.0 lbs
6"	6.0"	1.4 lbs
7"	7.0"	2.0 lbs
8"	8.0"	2.4 lbs
9"	9.0"	3.0 lbs
10"	10.0"	3.8 lbs
12"	12.0"	7.0 lbs

45 Die Stamped 1.0 CLR Flangeless Elbow

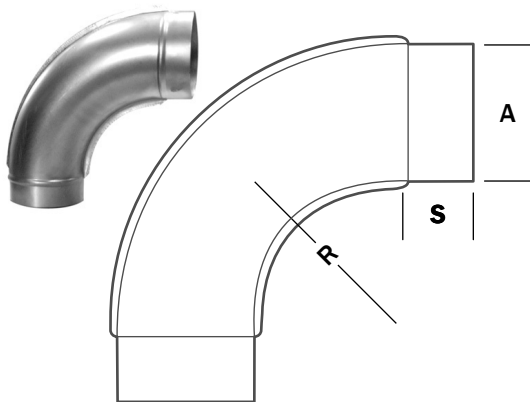


Dimensions		
(A)	45° (R)	Wt. Per Elbow
4"	4.0"	0.5 lbs
5"	5.0"	0.6 lbs
6"	6.0"	1.0 lbs
7"	7.0"	1.2 lbs
8"	8.0"	1.6 lbs
9"	9.0"	2.0 lbs
10"	10.0"	2.6 lbs
12"	12.0"	4.0 lbs

Key	Materials Available	Welding Process
A = Diameter, nominal size R = 1A (centerline radius) S = 2"	- Galvanized (4" - 10"), 24 ga. - Galvanized (12"), 22 ga.	Flangeless elbows are continuously stitch welded on the throat and heel from end to end (past the bead).

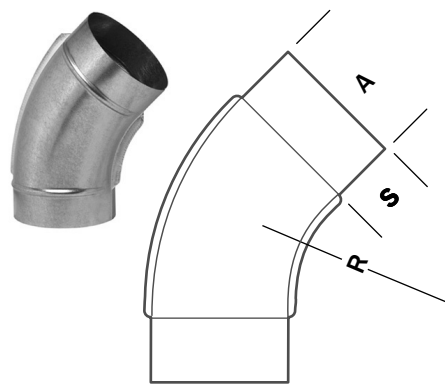
Stamped Elbows Assembled or Unassembled

90 Die Stamped 20 Gauge
Flanged Elbow



Dimensions			
(A)	90 (R)	Wt. Per 90 Elbow	Wt. Per 90 Elbow (Alum.)
3"	4.5"	1.0 lbs	0.5 lbs
4"	6.0"	1.5 lbs	0.7 lbs
5"	7.5"	2.0 lbs	1.0 lbs
6"	9.0"	3.5 lbs	1.7 lbs
7"	10.5"	5.0 lbs	2.0 lbs
8"	12.0"	5.7 lbs	2.8 lbs
9"	13.5"	7.2 lbs	3.5 lbs
10"	15.0"	8.5 lbs	4.0 lbs
11"	16.5"	10.0 lbs	5.0 lbs
12"	18.0"	13.0 lbs	6.2 lbs
14"	21.0"	18.0 lbs	N/A

45° Die Stamped 20 Gauge
Flanged Elbow

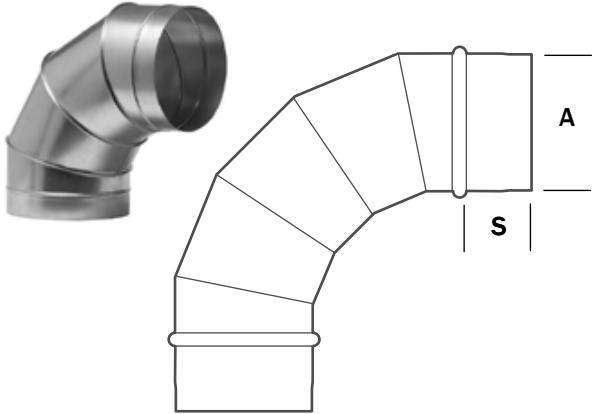


Dimensions			
(A)	45 (R)	Wt. Per 45 Elbow	Wt. Per 45 Elbow (Alum.)
3"	4.5"	0.7 lbs	0.2 lbs
4"	6.0"	1.0 lbs	0.5 lbs
5"	7.5"	1.5 lbs	0.5 lbs
6"	9.0"	2.0 lbs	1.0 lbs
7"	10.5"	2.5 lbs	1.2 lbs
8"	12.0"	3.2 lbs	1.5 lbs
9"	13.5"	4.0 lbs	1.7 lbs
10"	15.0"	5.0 lbs	2.2 lbs
11"	16.5"	6.0 lbs	2.7 lbs
12"	18.0"	7.0 lbs	3.2 lbs
14"	21.0"	9.0 lbs	4.2 lbs

Key	Materials Available	Welding Process
A = Diameter, nominal size R = 1-1/2 A (centerline radius) S = 2"	- Galvanized, 20 ga. - Stainless steel 304L & 316L, 20 ga. - Aluminum 3003, 20 ga. - PVS 4x4 mill, 20 ga. - Galvaneal (paint grip), 20 ga.	Galvanized, stainless steel and galvaneal are fully welded on the heel and throat by an automated welder. PVS and aluminum are assembled with rivets and sealed with silicone. Aluminum can also be fully tig welded on the heel and throat.

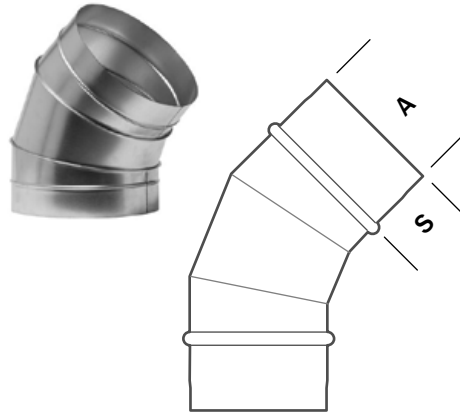
Gorelocked Elbows

90 5-Piece 1.5 CLR Elbow
90 5-Piece 1.0 CLR Elbow



Dimensions						
(A)	14	16	18	20	22	24
Wt.	15lbs	23.6lbs	29.5lbs	36lbs	43lbs	50.6lbs

45 3-Piece 1.5 CLR Elbow
45 3-Piece 1.0 CLR Elbow



Dimensions						
(A)	14	16	18	20	22	24
Wt.	8lbs	12.5lbs	15.4lbs	18.6lbs	22.2lbs	26.2lbs

30 2-Piece 1.5 CLR Elbow
30 2-Piece 1.0 CLR Elbow



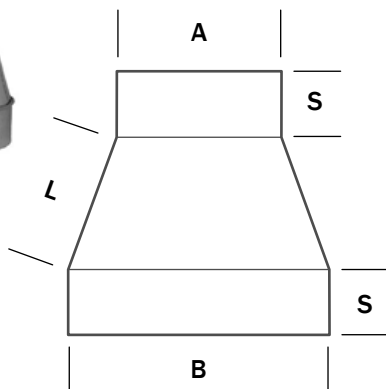
60 4-Piece 1.5 CLR Elbow
60 4-Piece 1.0 CLR Elbow



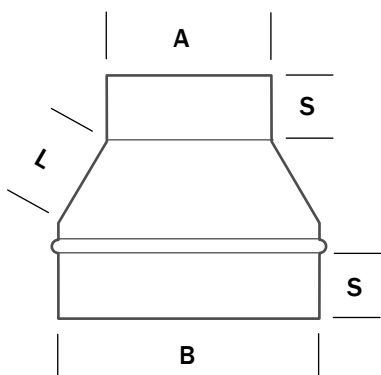
Key	Materials Available	Options Available
A = Diameter S = 2" Sizes Available 14" to 48"	22 Gauge or 20 Gauge Galvanized	- Specify CLR (1.5 or 1.0) - Specify Degree (15, 22.5, 30, 45, 60, 90, etc.)

Reducers

1-Piece Concentric Spun Reducer



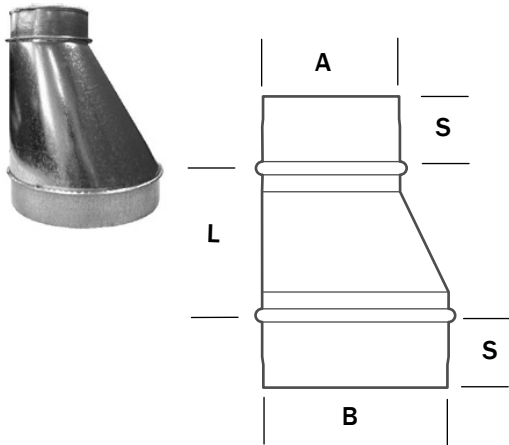
1-Piece Concentric Spun Reducer – Short



Sizes		
(B)	(A)	Weight Each
3"	2"	1.0 lbs
4"	3", 2"	1.0 lbs
5"	4", 3"	1.22 lbs
6"	5", 4", 3" 2"	1.28 lbs
7"	6", 5", 4", 3"	1.50 lbs
8"	7", 6", 5", 4"	1.71 lbs
9"	8", 7", 6", 5"	1.92 lbs
10"	9", 8", 7", 6", 5", 4"	2.14 lbs
11"	10", 9", 8", 7", 6",	2.35 lbs
12"	11", 10", 9", 8", 7", 6", 5", 4"	2.56 lbs
13"	12", 11", 10", 9", 8"	2.77 lbs
14"	13", 12", 11", 10", 9", 8", 6"	2.99 lbs
15"	14", 13", 12", 11", 10", 8"	3.20 lbs
16"	15", 14", 12", 10", 8"	3.42 lbs
18"	16", 14", 12", 10"	3.84 lbs
20"	18", 16", 14", 12"	4.27 lbs
22"	20", 18", 16", 14"	4.70 lbs
24"	22", 20", 18", 16"	5.12 lbs
26"	24", 22", 20", 18"	6.50 lbs
28"	26", 24", 22"	7.0 lbs
30"	28", 26", 24"	8.32 lbs
32"	30", 26", 24"	10.55 lbs
34"	32", 30", 28"	11.60 lbs
36"	34", 32", 30"	12.80 lbs

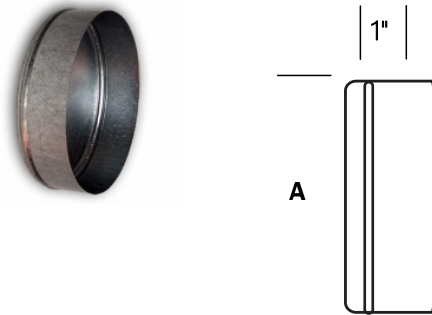
Key	Materials Available	Options Available
A = Small end diameter, nominal size B = Large end diameter, nominal size L = 4" S = 3"	- Galvanized, 20 gauge or 22 gauge - G 90 Galvanized - Stainless Steel (not all sizes available) - Aluminum - Galvaneal (paint grip)	- Sizes 4" to 34" - Male (small ends) fit into spiral pipe - Bead available on large end upon request

Fabricated Eccentric Reducer



Reducers are designed to accepted ASHRAE standards an give superior pressure drop characteristics.

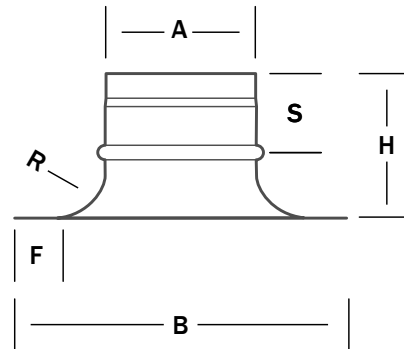
Spun End Cap/End Plug



Available up to 48"

End caps are gore-locked and eliminate costly hand fit-up and welding.

Short Radius Bellmouth

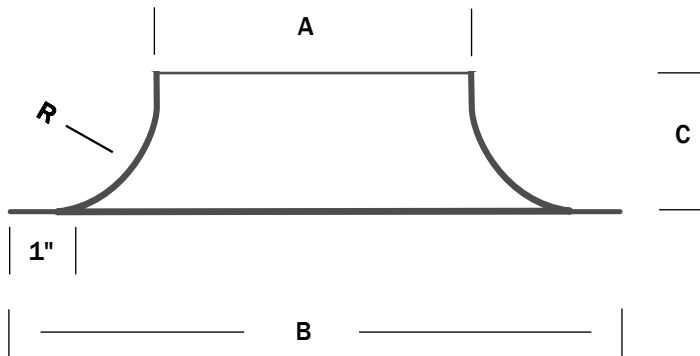
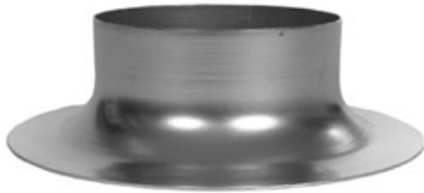


Dimensions								
(A)	(B)	Weight	(A)	(B)	Weight	(A)	(B)	Weight
6"	10"	1.5 lbs	22"	26"	3.9 lbs	52"	58"	9.1 lbs
7"	11"	1.5 lbs	23"	27"	4.0 lbs	54"	60"	9.6 lbs
8"	12"	1.7 lbs	24"	28"	4.2 lbs	56"	62"	10.1 lbs
9"	13"	1.8 lbs	26"	30"	4.4 lbs	58"	64"	10.6 lbs
10"	14"	2.0 lbs	28"	32"	4.7 lbs	60"	66"	11.3 lbs
11"	15"	2.1 lbs	30"	34"	5.0 lbs	62"	68"	14.0 lbs
12"	16"	2.3 lbs	32"	36"	5.4 lbs	64"	70"	16.2 lbs
13"	17"	2.5 lbs	34"	38"	5.8 lbs	66"	72"	17.2 lbs
14"	18"	2.6 lbs	36"	40"	6.2 lbs	68"	74"	17.5 lbs
15"	19"	2.8 lbs	38"	42"	6.6 lbs	70"	76"	17.8 lbs
16"	20"	2.9 lbs	40"	44"	6.9 lbs	72"	78"	18.6 lbs
17"	21"	3.1 lbs	42"	46"	7.2 lbs	74"	80"	19.0 lbs
18"	22"	3.3 lbs	44"	48"	7.5 lbs	76"	82"	19.3 lbs
19"	23"	3.4 lbs	46"	50"	7.9 lbs	78"	84"	19.6 lbs
20"	24"	3.5 lbs	48"	52"	8.3 lbs	80"	86"	20.0 lbs
21"	25"	3.7 lbs	50"	56"	8.7 lbs	82"	88"	21.0 lbs

Sizes Available 6" to 120"

Key	Materials Available
- A = Opening Dimension 1/8" under nominal size - B = A + 4" - R = 1" Radius	6" to 24" 20 Gauge Galvanized 20" to 48" 18 Gauge Galvanized - Paintgrip - Stainless Steel - Aluminum

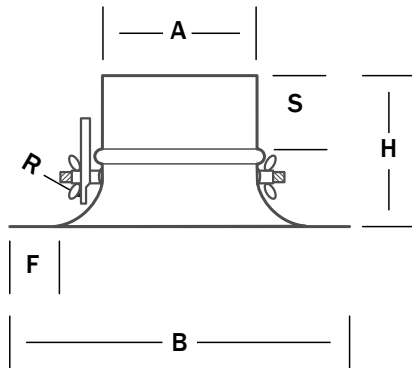
Standard Radius Bellmouth



Dimensions					
(A)	(B)	(R)	(C)	Opening	Weight Each
2"	7"	1-1/2"	2-1/2"	5"	1.0 lbs
3"	8"	1-1/2"	2-1/2"	6"	1.0 lbs
4"	9"	1-1/2"	2-1/2"	7"	1.3 lbs
5"	10"	1-1/2"	2-1/2"	8"	1.5 lbs
6"	12"	2"	3"	10"	1.7 lbs
7"	13"	2"	3"	11"	1.9 lbs
8"	14"	2"	3"	12"	2.0 lbs
9"	15"	2"	3"	13"	2.2 lbs
10"	16"	2"	3"	14"	2.4 lbs
11"	19"	3"	4"	17"	3.6 lbs
12"	22"	3"	4"	18"	3.8 lbs
13"	21"	3"	4"	19"	4.0 lbs
14"	22"	3"	4"	20"	4.4 lbs
15"	23"	3"	4"	21"	4.5 lbs
16"	26"	4"	5"	24"	6.5 lbs
17"	27"	4"	5"	25"	6.8 lbs
18"	28"	4"	5"	26"	7.1 lbs

Dimensions					
(A)	(B)	(R)	(C)	Opening	Weight Each
19"	29"	4"	5"	27"	7.2 lbs
20"	30"	4"	5"	28"	7.3 lbs
21"	31"	4"	5"	29"	7.5 lbs
22"	34"	5"	6"	32"	9.7 lbs
23"	35"	5"	6"	33"	9.9 lbs
24"	36"	5"	6"	34"	10.4 lbs
26"	40"	6"	7"	38"	13.2 lbs
28"	42"	6"	7"	40"	13.7 lbs
30"	44"	6"	7"	42"	14.8 lbs
32"	48"	7"	8"	46"	15.3 lbs
34"	50"	7"	8"	48"	19 lbs
36"	52"	7"	8"	50"	20.3 lbs
38"	54"	7"	8"	52"	24.7 lbs
40"	58"	8"	9"	56"	27.3 lbs
42"	60"	8"	9"	58"	27.5 lbs
44"	62"	8"	9"	60"	27.8 lbs
46"	64"	8"	9"	62"	28.8 lbs

Extended Bellmouth



Dimensions						
(A)	(B)	(R)	(F)	(H)	(S)	Weight Each
4"	6.5"	.75"	1"	5.5"	2"	1.0 lbs
5"	8.25"	.75"	1"	5.5"	2"	1.25 lbs
6"	8.5"	.75"	1"	6"	2"	1.50 lbs
7"	10.5"	.75"	1"	6"	2"	1.75 lbs
8"	12"	1.0"	1"	6"	2"	1.95 lbs
9"	13"	1.0"	1"	6"	2"	2.25 lbs
10"	14"	1.0"	1"	6"	2"	2.5 lbs
12"	16"	1.0"	1"	6"	2"	3.0 lbs
14"	18"	1.0"	1"	6"	2"	3.5 lbs
16"	20"	1.0"	1.5"	6"	2"	4.0 lbs
18"	22"	1.0"	1.5"	6"	2"	4.5 lbs
20"	24"	1.0"	1.5"	6"	2"	5.0 lbs
22"	26"	1.0"	1.5"	6"	2"	5.5 lbs
24"	28"	1.0"	1.5"	6"	2"	6.0 lbs

Available up to 48"

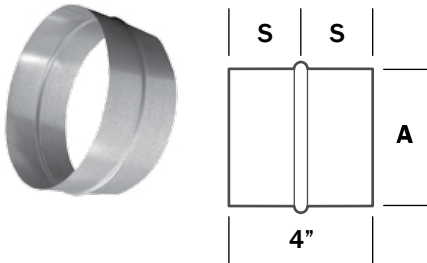


Heavy duty damper with 2" stand-off

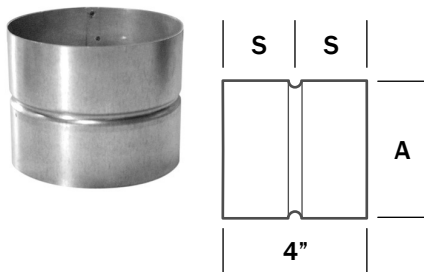
Key
- A=Opening dimension 1/8" under nominal size - F = 1" - H = Height - R = Radius - B = Flange side
Materials Available
Galvanized

Couplings

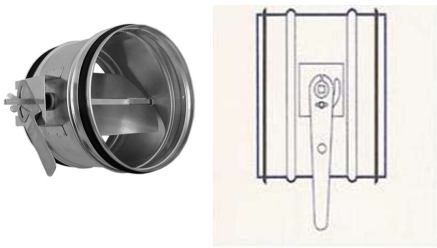
Male Coupling



Female Coupling



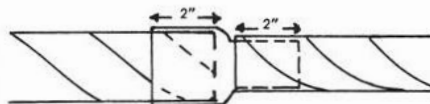
with Damper



Size Available up to 30"



INSTALLATION DETAIL



Dimensions

(A)	(S)	Weight Each
3"	2"	0.8 lbs
4"	2"	1.0 lbs
5"	2"	1.3 lbs
6"	2"	1.5 lbs
7"	2"	1.7 lbs
8"	2"	2.0 lbs
9"	2"	2.2 lbs
10"	2"	2.5 lbs
12"	2"	3.0 lbs
14"	2"	3.5 lbs
16"	2"	3.9 lbs
18"	2"	4.5 lbs
20"	2"	4.9 lbs
22"	2"	5.7 lbs
24"	2"	6.7 lbs

Key

A = Diameter, nominal
size S = 2"

Materials Available

- Galvanized
- Paintgrip
- Aluminum
- Stainless Steel

Notes

Male Coupling – For pipe, the ends are 1/8" undersize to fit inside spiral pipe.

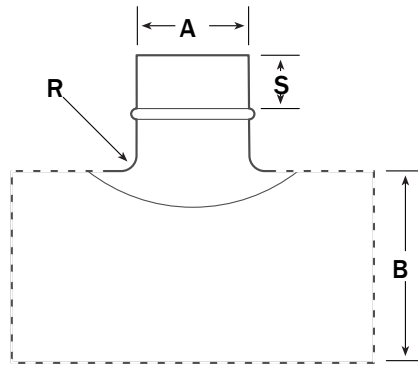
Bead
is located at 2".

Female Coupling – For pipe, the ends are 1/8" oversize to fit over spiral pipe.

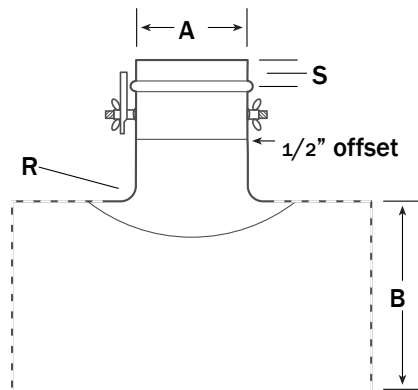
Reverse bead located at 2".

The couplings are designed with no protrusions, which enable the smoothest air flow possible.

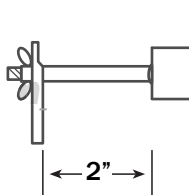
90° Die Stamped Saddle Tap



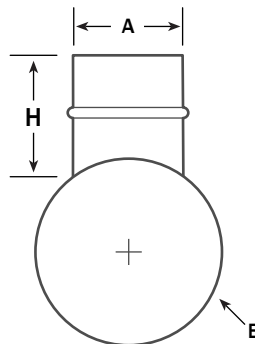
Dimensions		
(A)	(B)	Weight
4"	4", 5", 6"-7", 8", 9"-10", 12"-14", 16"-24"	1.2 lbs
5"	5", 6/7", 8/9", 10", 12/14", 16/24"	1.5 lbs
6"	6", 8", 10"-12", 14"-18", 20"-24"	1.7 lbs
8"	8", 10", 12"-10", 16"-18", 20"-24"	2.5 lbs
10"	10", 12", 14"-16", 18"-20", 22"-24"	3.4 lbs
12"	12", 14"-16", 18"-20", 22"-24"	4.4 lbs



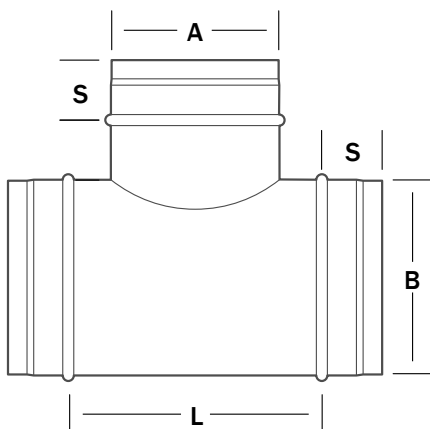
Key
- A = Branch (nominal) size - B = Pipe (nominal) size - H = Height - R = Radius - R = 0.787" (4 on 4 – 6 on 20/22/24) 1.0" (8 on 8 – 12 on 22/24) - S = 1-1/4" (4 on 4 – 5 on 16/24), 1-1/2" (6 on 6 – 12 on 22/24)
Materials Available
Galvanized
Options Available
- Damper collars in 6" lengths - Bead or no bead - Jiffy Damper 2" Stand-Off 14" - 36" Are Fabricated with 3/8" Flange



OPTION: 2" Stand-Off

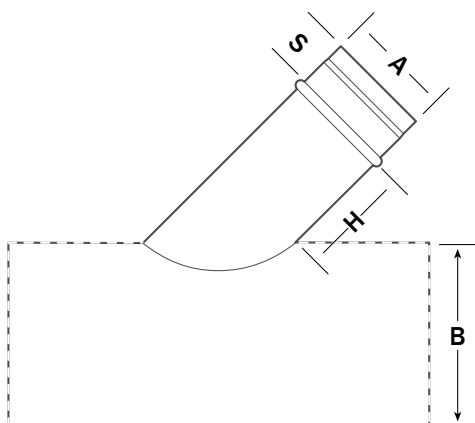


TEE

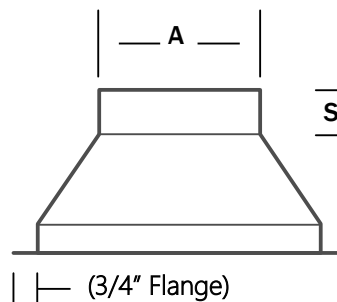


Saddle taps and tees are constructed from 24ga. Galvanized steel and are 1/16" undersized, to slip inside spiral pipes.

45 DEGREE SADDLE



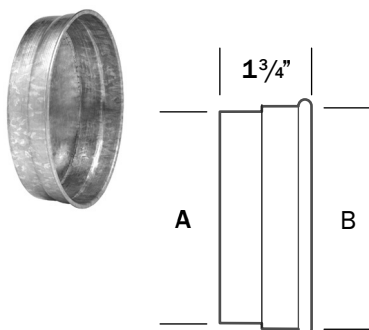
CONICAL TAKE-OFF



The take-offs are superior products that are available at a low cost. Each one is precision spun in one piece from galvanized or galvanealed steel.

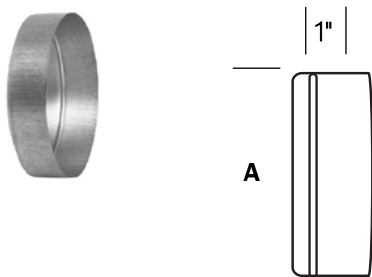
End Caps and End Plugs

End Cap/Plug Combo



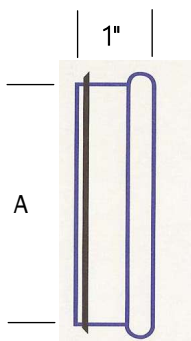
Available Sizes 4" to 24"

Spun End Cap/End Plug



Available up to 48"

Gored End Plug



Available Sizes 5" to 48"

Dimensions			
Nominal Size	(A)	(B)	Weight Each
3"	2 - 7/8"	3 - 1/8"	0.3 lbs
4"	3 - 7/8"	4 - 1/8"	0.3 lbs
5"	4 - 7/8"	5 - 1/8"	0.5 lbs
6"	5 - 7/8"	6 - 1/8"	0.7 lbs
7"	6 - 7/8"	7 - 1/8"	0.9 lbs
8"	7 - 7/8"	8 - 1/8"	1.0 lbs
9"	8 - 7/8"	9 - 1/8"	1.3 lbs
10"	9 - 7/8"	10 - 1/8"	1.5 lbs
12"	11 - 7/8"	12 - 1/8"	2.0 lbs
14"	13 - 7/8"	14 - 1/8"	2.6 lbs
16"	15 - 7/8"	16 - 1/8"	3.2 lbs
18"	17 - 7/8"	18 - 1/8"	4.3 lbs
20"	19 - 7/8"	20 - 1/8"	5.2 lbs
22"	21 - 7/8"	22 - 1/8"	6.1 lbs
24"	23 - 7/8"	24 - 1/8"	7.1 lbs

Key

End Cap/Plug Combo

A = A 3/16" over nominal size, to fit over spiral

B = 1/8" undersized to fit into spiral

End Cap = Nominal size to fit over fitting

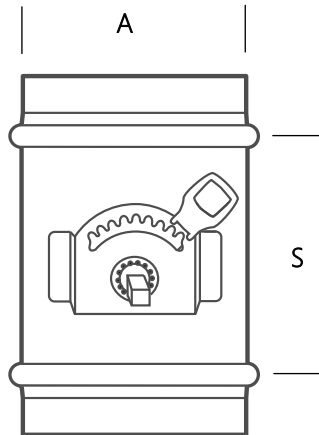
End Plug = 1/8" undersize to slip into spiral

Gored End Plug = 1/8" undersize to slip into spiral (fabricated)

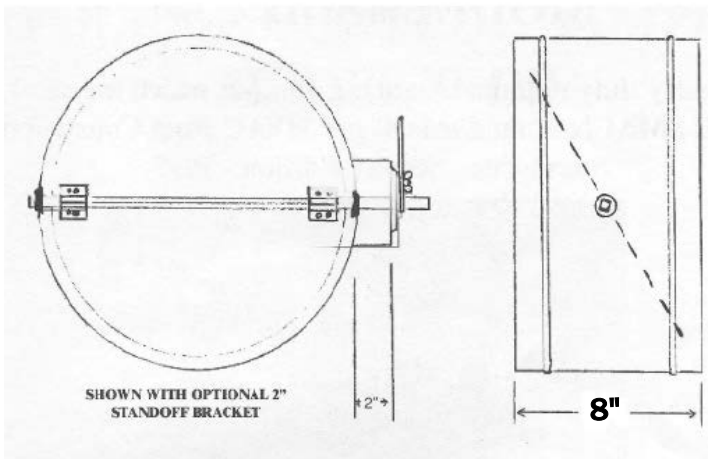
Materials Available

- Galvanized, 20 ga.
- Paintgrip
- Stainless Steel
- Aluminum

Volume Damper



Dimensions		
(A)	(S)	Weight Each
4"	4"	1.1 lbs
5"	4"	1.1 lbs
6"	4"	1.5 lbs
7"	4"	2.0 lbs
8"	4"	2.2 lbs
9"	4"	2.8 lbs
10"	4"	3.3 lbs
11"	4"	3.7 lbs
12"	4"	4.0 lbs
14"	4"	5.1 lbs
16"	4"	7.3 lbs
18"	4"	8.1 lbs
20"	4"	9.2 lbs
22"	4"	10.1 lbs
24"	4"	14.2 lbs



**THIS DAMPER IS DESIGNED FOR
REDUCED VOLUME CONTROL, NOT
POSITIVE SHUT OFF**

Key

A = 4" - 10" (all sizes), 12" - 36" (even sizes only)
 S = 2"
 L = 4"

- 22 ga. Galvanized body
- 2" Stand-off (20 ga)
- Locking handle for adjustment of damper – ease of balancing
- 3/8" Continuous square rod through damper
- 4"-20" Standard Dampers (22 ga)
- 22"-36" Standard Dampers (20 ga)
- Also available in spiralseal