SPOT
SPIRAL PIPE OF TEXAS

Single-Wall Round – 2005 SMACNA Standards

Negative Pressure 2” – 4”

Standard Gauge Chart

Negative 2” W.G.

Diameter	Spiral Pipe	Stiffner/Spacing	Spiral Profile	Longseam Pipe/Fittings	Stiffner/Spacing
3” – 11”	26	NR	Flat	24	NR
12” – 13”	26	NR	Flat	24	NR
14” – 15”	26	NR	Flat	24	NR
16” – 17”	26	NR	Flat	24	NR
18” – 28”	26	A/20	Flat	24	A/20
30” – 34”	26	A/20	Corrugated	22	A/20
36” – 40”	24	A/20	Corrugated	22	A/20
42” – 46”	24	A/20	Corrugated	22	A/20
48” – 52”	22	B/20	Corrugated	20	B/20
54” – 58”	22	B/20	Corrugated	20	B/20
60” – 64”	22	B/20	Corrugated	20	B/20
66” – 76”	20	C/20	Corrugated	18	C/20
78” – 82”	20	D/20	Corrugated	18	D/20
84” – 88”	20	E/20	Corrugated	18	E/20
90” – 92”	20	E/20	Corrugated	18	E/20

Stiffner Sizing:
NR = Not Required; A = 1 x 1 x 1/8; B = 1 - ¼ x 1 - ¼ x 3/16; C = 1 - ½ x 1 – ½ x 3/16;
D = 1 - ½ x 1 – ½ x ¼; E = 2 x 2 x 3/16: F = 2 x 2 x ¼; G = 3 x 3 x ¼

Negative 4” W.G.

Diameter	Spiral Pipe	Stiffner/Spacing	Spiral Profile	Longseam Pipe/Fittings	Stiffner/Spacing
3” – 11”	26	NR	Flat	24	NR
12” – 13”	26	NR	Flat	24	NR
14” – 15”	24	NR	Flat	22	NR
16” – 17”	24	NR	Flat	22	NR
18” – 28”	24	A/20	Flat	22	A/20
30” – 34”	22	A/20	Corrugated	20	A/20
36” – 40”	22	B/20	Corrugated	20	B/20
42” – 46”	22	B/20	Corrugated	18	B/20
48” – 52”	20	B/20	Corrugated	18	B/20
54” – 58”	20	C/20	Corrugated	18	C/20
60” – 64”	20	D/20	Corrugated	18	D/20
66” – 76”	18	E/20	Corrugated	16	E/20
78” – 82”	18	E/20	Corrugated	16	E/20
84” – 88”	18	F/20	Corrugated	16	F/20
90” – 92”	18	E/12	Corrugated	16	E/12

Standard fittings to be spot welded and sealed. Continuously welded seam fittings are available if specified. All PCD and SPOT AgION fittings are riveted and sealed.

Corporate Office
P.O. Box 161547
Fort Worth, TX 76161-1547
Revised May 2023

Manufacturing Facility
600 N. Hays St.
Fort Worth, TX 76102

Phone: 817.877.3543
Fax: 817.877.3545
spotusa.com

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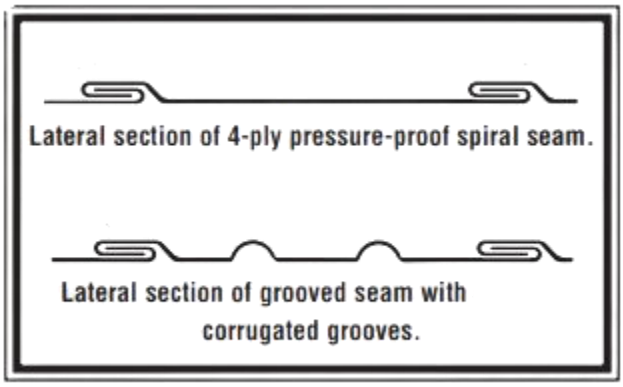
Available Materials

G90 Galvanized
Phosphatized (Galvanneal)
304 Stainless Steel
316 Stainless Steel
PCD (Polyvinyl Coated Galvanized)
3003 Aluminum
SPOT AgION™ (Antimicrobial)
Black Iron – LONGSEAM ONLY

Connectors

Standard Slip-fit/Coulings
SPOT Flange™
Angle Ring
½" Weld Flange

Spiral Profiles



Spiral Pipe of Texas products are manufactured in accordance with the latest SMACNA, ASHRAE, and SPIDA standards. In an on-going effort to improve our products, Spiral Pipe of Texas reserves the right to revise the design and/or specifications of its products as technology advances or applicable standards change.

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Single-Wall Round Spiral Pipe and Fitting Standards

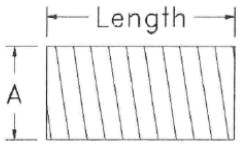
Dimensions

A = Inlet Size
B = Outlet Size
C = Branch Size
D = Branch Size
H = 3" if C = 3" to 8"
6" if C = 9" to 16"
9" if C = 17" to 24"
12" if C = 25" & Up

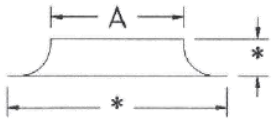
K = 5 ¼"
L = Offset Length
O = Offsetting Amount
R = 1.5 x A
S = 2
T = A/4 +2
U = A x 2 + 2

V = (A/2 x 1.414) + ((C + 2)/2) + 6
W = (C + 2) x 1.414 +4
X = A – B (with 4" minimum)
Y = (1.414 x C) + 4
Z = C + H + 4
* = Consult Factory

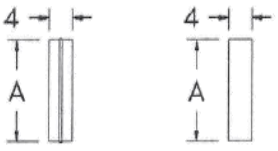
SP — Spiral Pipe



B1 — Bellmouth



PP / FF — Couplings



PIPE TO PIPE

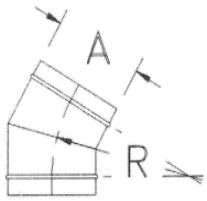
FITTING TO FITTING

EC / EP — Caps & Plug

END CAP

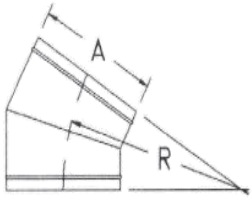
END PLUG

SE45 — Spiral Pipe



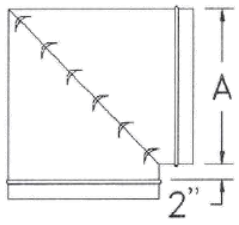
A = 3" Thru 12"

SE90 — Bellmouth



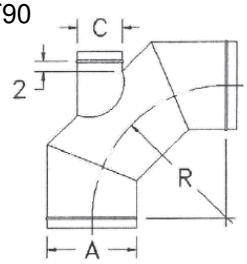
A = 3" Thru 12"

EV90 — Couplings



A = 3" Thru 60"

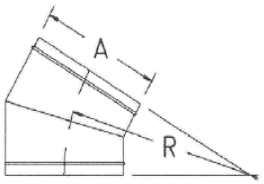
ET90 — Caps & Plug



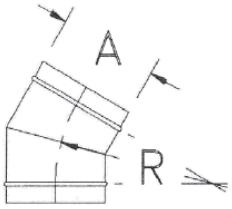
A = 3" Thru 60"

Stamped Elbows

E1 Thru E36



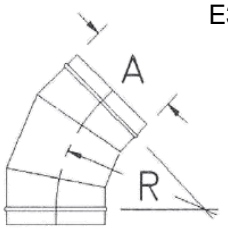
A = 3" Thru 24"



A = Greater than 24"

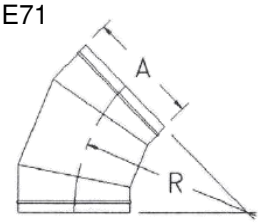
Mitered Elbow

E37 Thru E71



A = 3" Thru 24"

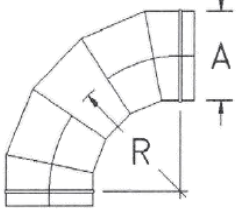
Elbow w/ Tap



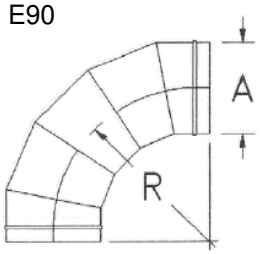
A = Greater than 24"

2 Gore Elbows

E72 Thru E90



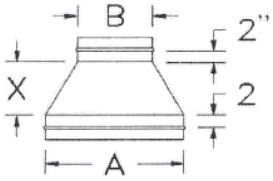
A = 3" Thru 24"



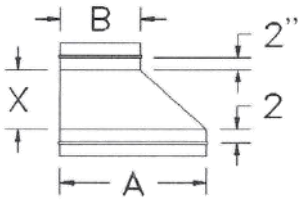
A = Greater than 24"

3 Gore Elbows

R1



ER1



5 Core Elbows

Reducers

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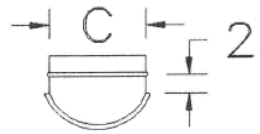
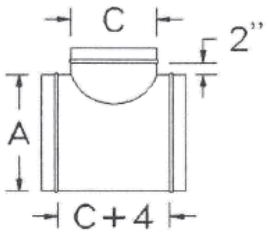
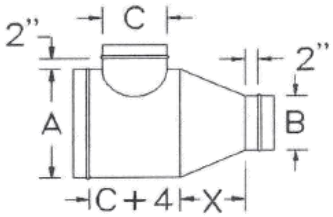
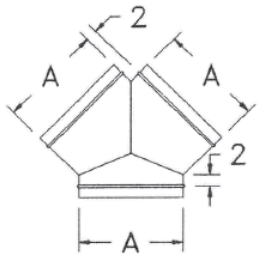
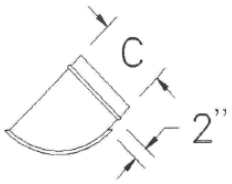
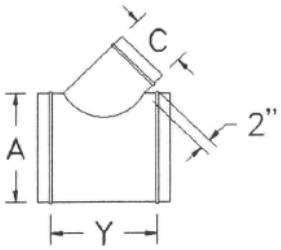
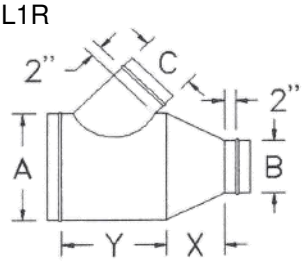
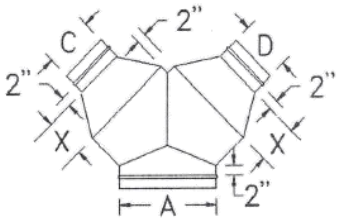
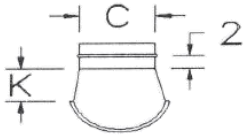
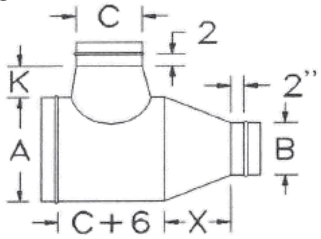
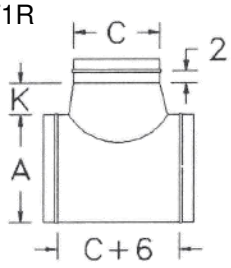
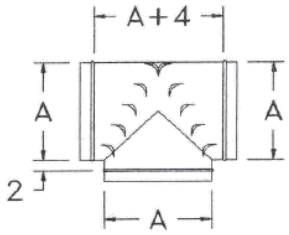
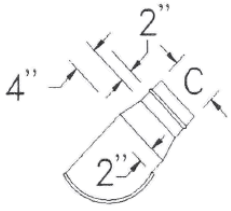
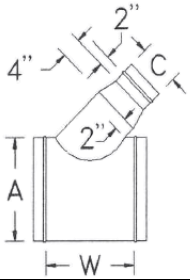
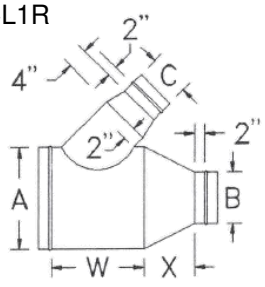
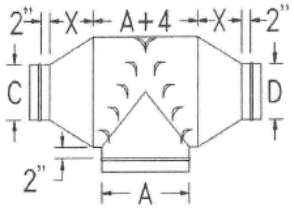
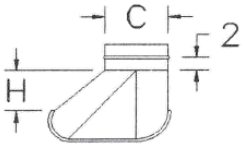
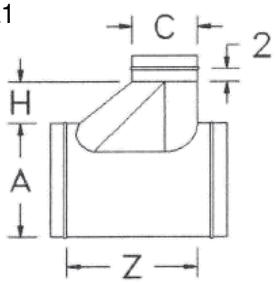
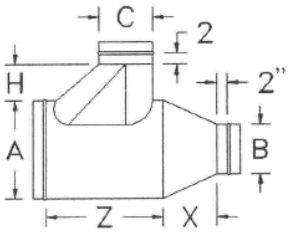
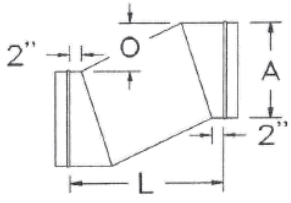
Single-Wall Round Spiral Pipe and Fitting Standards

LT 	T1 	T1R 	Y2 
Straight 90 Degree Tees			**"Y" Fitting**
LL 	L1 	L1R 	Y2R 
45 Degree Lateral Tees			**Reducing "Y" Fitting**
LCT 	CT1 	CT1R 	BT 
Conical 90 Degree Tees			**Bullhead Tee**
LCL 	CL1 	CL1R 	BTR 
Concial 45 Degree Lateral Tees			**Reducing Bullhead Tee**
LLL 	LL1 	LL1R 	SET 
Low Loss 90 Degree Tees			**Offset**

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