



## Double-Wall Round – 2005 SMACNA Standards Positive Pressure to 10"

### Standard Gauge Chart

#### Outer Pressure Shell (O.D.)

##### Concealed Duct

Diameter	Spiral Pipe	Spiral Profile	Longseam Pipe/Fittings	Standard Length
5" – 9"	26	Flat	24	10' – 0"
10" – 28"	26	Flat	24	10' – 0"
30" – 46"	24	Corrugated	22	10' – 0"
48" – 64"	22	Corrugated	20	10' – 0"
66" – 92"	20	Corrugated	18	10' – 0"

##### Exposed Duct

Diameter	Spiral Pipe	Spiral Profile	Longseam Pipe/Fittings	Standard Length
5" – 9"	26	Flat	24	8' – 0"
10" – 28"	26	Corrugated	24	8' – 0"
30" – 46"	24	Corrugated	22	8' – 0"
48" – 64"	22	Corrugated	20	8' – 0"
66" – 92"	20	Corrugated	18	8' – 0"

#### Inner Liner (I.D.)

##### Concealed Duct

Diameter	Spiral Pipe	Spiral Profile	Longseam Pipe/Fittings	Standard Length
3" – 9"	26	Flat	24	10' – 0"
10" – 28"	26	Flat	24	10' – 0"
30" – 46"	24	Corrugated	22	10' – 0"
48" – 64"	24	Corrugated	20	10' – 0"
66" – 90"	22	Corrugated	20	10' – 0"

##### Exposed Duct

Diameter	Spiral Pipe	Spiral Profile	Longseam Pipe/Fittings	Standard Length
3" – 9"	26	Flat	24	8' – 0"
10" – 28"	26	Corrugated	24	8' – 0"
30" – 46"	24	Corrugated	22	8' – 0"
48" – 64"	24	Corrugated	20	8' – 0"
66" – 90"	22	Corrugated	20	8' – 0"

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.

Inner liner can be solid or perforated. Perforated material to have 3/32" holes and 3/16" staggered centers for a 23% open area.



One inch insulation layer to meet requirements set forth in NFPA pamphlet #90A as to flame spread and smoke developed. K-value at 75 degree M.T. = 0.26 BTU.

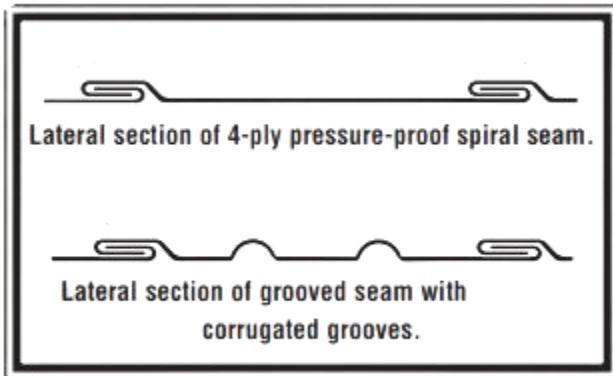
#### Available Materials

G90 Galvanized  
Phosphatized (Galvanneal)  
304 Stainless Steel  
316 Stainless Steel  
PCD (Polyvinyl Coated Galvanized)  
3003 Aluminum  
SPOT AgION™ (Antimicrobial)

#### Connectors

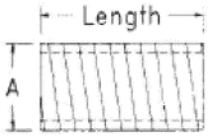
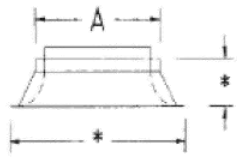
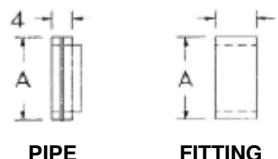
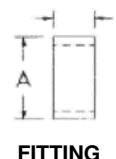
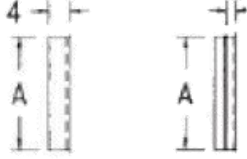
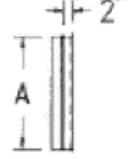
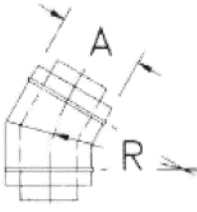
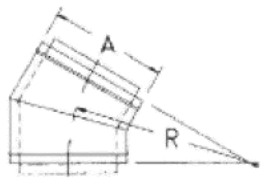
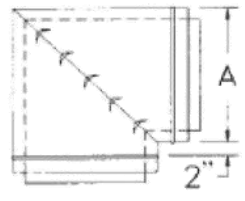
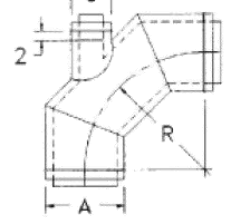
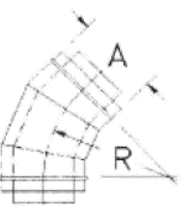
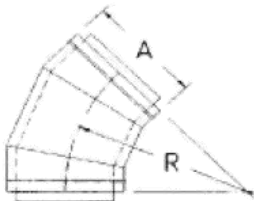
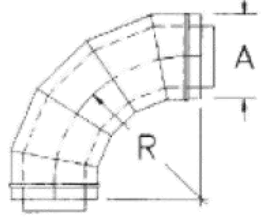
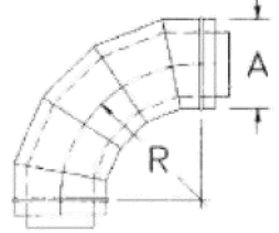
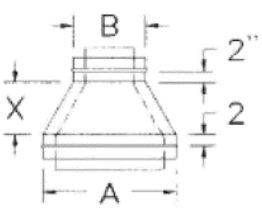
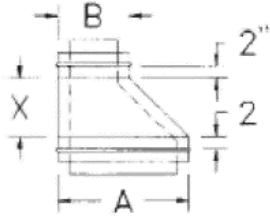
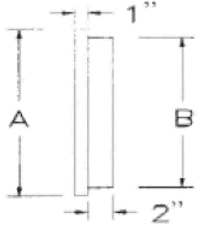
Standard Slip-fit/Couplings  
SPOT Flange™  
Angle Ring

#### Spiral Profiles

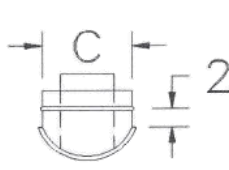
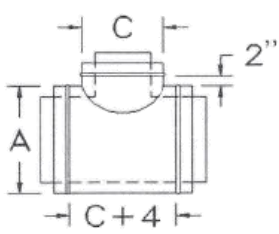
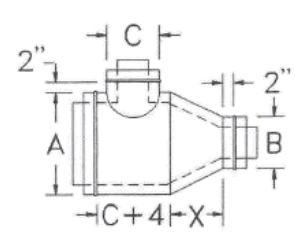
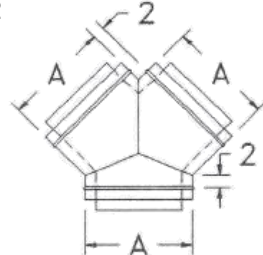
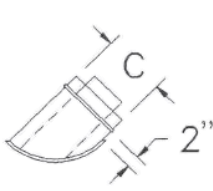
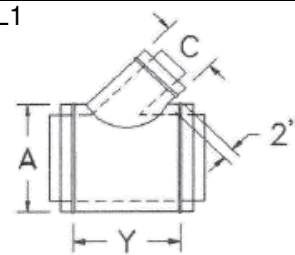
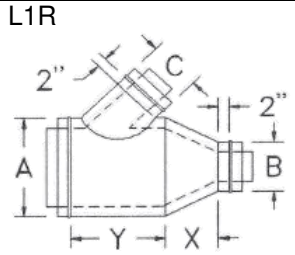
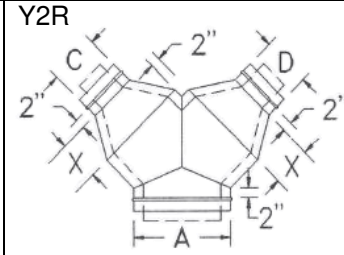
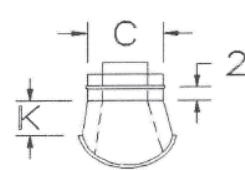
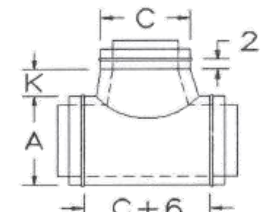
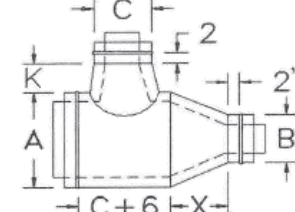
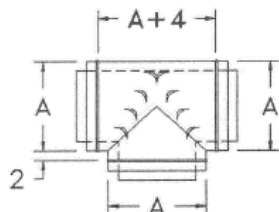
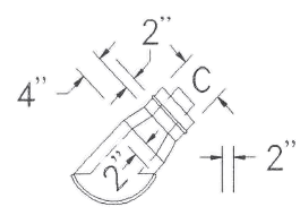
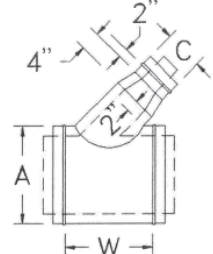
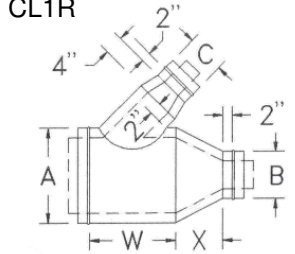
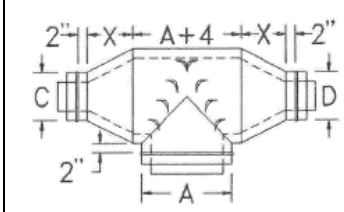
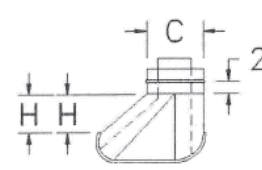
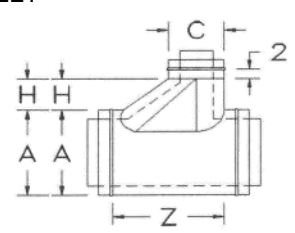
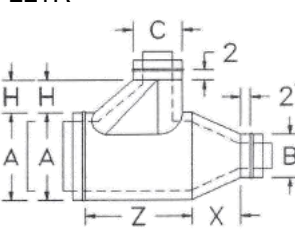
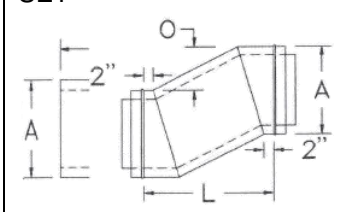


Spiral Pipe of Texas products are manufactured in accordance with the latest SMACNA, ASHRAE, and SPIDA standards. In an on-going effort to improve our products, Spiral Pipe of Texas reserves the right to revise the design and/or specifications of its products as technology advances or applicable standards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

### Double-Wall Round Spiral Pipe and Fitting Standards

Dimensions					
A = Inlet B = Outlet C = Branch D = Branch 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 1/4" L = Offset Length O = Offsetting Amount R = 1.5 x A S = 2 T = A/4 + 2 U = A x 2 + 2 **Dimension of Liner = O.D. - (2 x Insulations Thickness) ***End of Liner Extends 2" Past Ends of Fittings		$V = (A/2 \times 1.414) + ((C + 2)/2) + 6$ $W = (C + 2) \times 1.414 + 4$ X = 12" if A - B = 18" or Less 24" if A - B = 19" or Greater $Y = (1.414 \times C) + 4$ $Z = C + H + 4$ * = Consult Factory	
SP	B1	PP	FF	EC	EP
					
Spiral Pipe	Bellmouth	Couplings		Caps & Plug	
E1 Thru E36		EV90		ET90	
					
A = 3" Thru 24"		A = Greater than 24"		A = 3" Thru 60"	
2 Gore Elbows		Mitered Elbow		Elbow w/ Tap	
E37 Thru E71		E72 Thru E90			
					
A = 3" Thru 24"		A = Greater than 24"		A = 3" Thru 24"	
3 Gore Elbows		5 Core Elbows			
R1	ER1	SD			
					
Reducers		Stepdown			

### Double-Wall Round Spiral Pipe and Fitting Standards

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