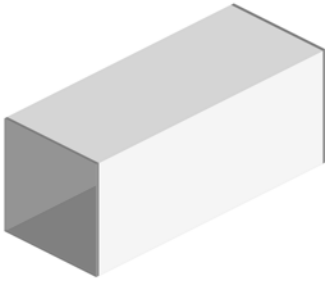


Pattern: 1

Rectangular



Dims		Options	Conn's
A=Width	B=Depth	Straight Type=1 Part Straight	C1=S&D
C=Length		Female Allow=Shortest Side	C2=S&D
		1xU,1xI=Shortest Side	
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Maximum Sheet Size=None	
		Maximum Fold Length=None	
		Minimum Fold Length=None	
		Oversize Check=Yes	
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Beading=No	
		Insulation Parts=Same	
		Insulation UI=Shortest Side	

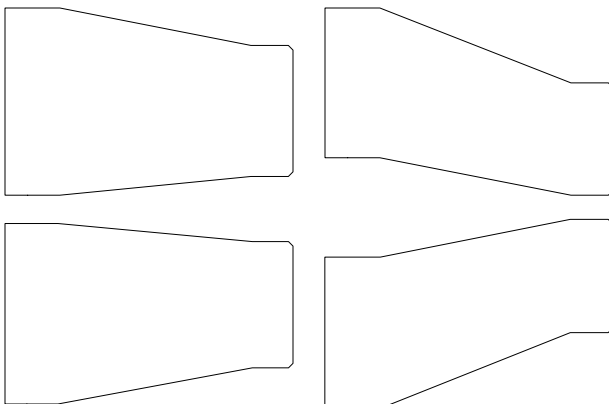
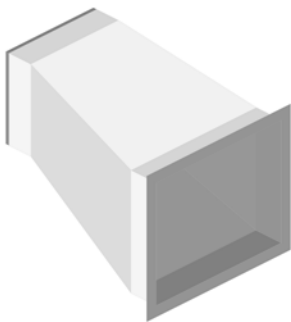
Seams

S1=Snaplock

Damper:

Pattern: 2

Rectangular/Fabrication



Dims		Options	Conn's
A=Width In		2 Parts=No	C1=TDC
B=Depth In		3 Parts=No	C2=S&D
C=Width Out		Vee Depth Male=Auto	
D=Depth Out		Vee Depth Female=Auto	
E=Length		Vee Notch Angle=20.000	
F=Extension In		Taper Notch If Straight Edge (Female)=No	
G=Extension Out		Female Allow=Shortest Slope	
H=Offset Width		2-Sided Part Allowance=Auto	
I=Offset Depth		Estimated Width Out %age=Not Used	
J=Angle		Estimated Depth Out %age=Not Used	
		Offset Width=Left In	
		Offset Depth=Bottom Up	
		Taper Notch If Straight Edge (Male)=No	
		Use Taper Notch For 2 Parts=Yes	
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Input=Length	
		Vee Notch Depth If Straight Edge (Female)...	
		Maximum Angle=180.000	
		Splitter Turnover=0.000	
		Splitter Extension=0.000	
		Splitter Adjust=0.000	
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Splitter Hole Diameter=0.000	
		Number Of Holes=0.000	
		Splitters=Half	
		Hole Inset=0.000	
		Fixing Holes on Turnover=No	

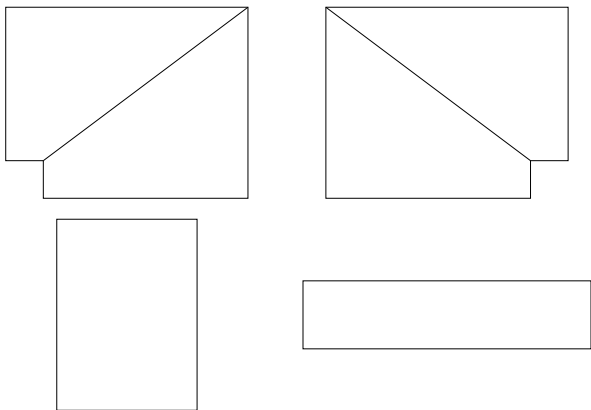
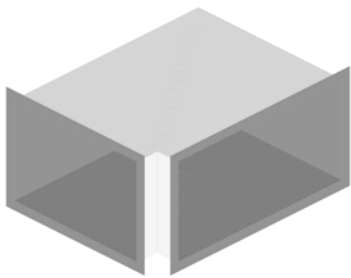
Seams

S1=None

Damper:

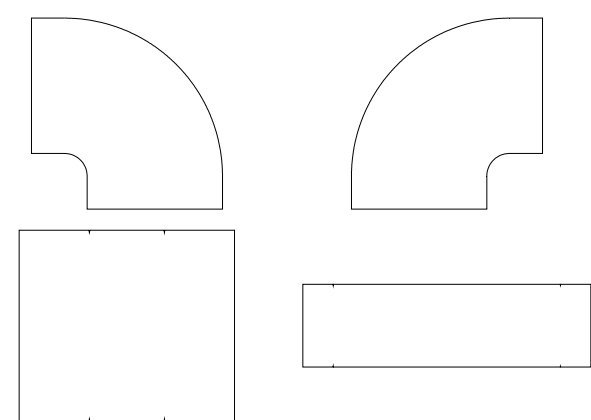
Pattern: 3

Rectangular



Pattern: 4

Rectangular



Dims	Options	Conn's
A=Top Width	Length Adjust For Part 4=0.000	C1=TDC
B=Depth	Length Adjust For Part 3=0.000	C2=TDC
C=Btm Width	Vee Depth Male=Auto	
D=Top Extension	Vee Depth Female=Auto	
E=Bottom Extension	Vee Angle Male=30	
	Vee Angle Female=30	
	3 Parts=No	
	Seam Number For Throat=	
	2 Part Wrapper=No	
	Attenuator=No	
	Leg Lengths=No	
	Allow Central Tie Rods=Yes	
	Riser Bend=No	
	Mark Splitter Sides=No	
	Insulation Parts=Same	
	Draw Custom Insulation=No	

Seams
S1=None
S2=None

Damper:

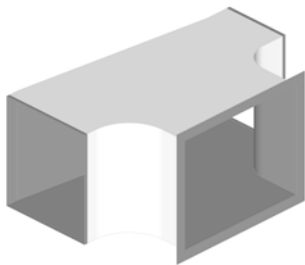
Dims	Options	Conn's
A=Width	Throat Type=Radius	C1=TDC
B=Depth	Length Adjust For Part 4=0.000	C2=TDC
C=Angle	Length Adjust For Part 3=0.000	
D=Top Extension	Vee Depth Male=Auto	
E=Bottom Extension	Vee Depth Female=Auto	
F=Inner Radius	Vee Angle Male=30	
	Vee Angle Female=30	
	Auto Oversize=Normal	
	Seam Number For Throat=	
	Leg Lengths=No	
	Allow Central Tie Rods=Yes	
	Riser Bend=No	
	Mark Splitter Sides=No	
	Insulation Parts=Same	
	Draw Custom Insulation=No	

Seams
S1=None

Damper:

Pattern: 5

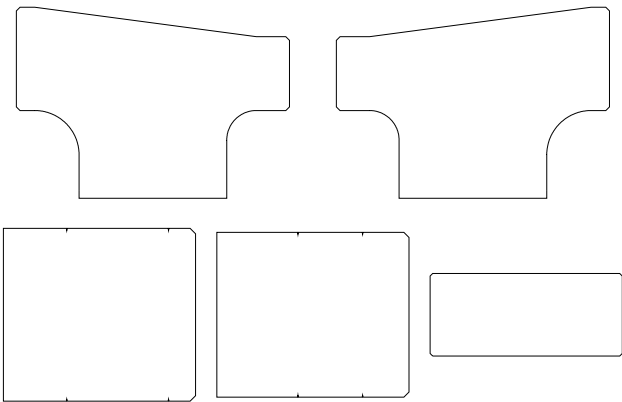
Rectangular



Dims	Options	Conn's
A=Btm Width	Throat Type=Radius	C1=TDC
B=Depth	3 Parts=No	C2=S&D
C=Left Width	Vee Depth Male=Auto	C3=S&D
D=Right Width	Vee Depth Female=Auto	
E=Right Radius	Vee Notch Angle=30.000	
F=Left Radius	Estimated Width Out %age=Not Used	
G=Btm Right Extension	Hole Diameter=0.500	
H=Btm Left Extension	Hole Spacing=2.000	
I=Right Bottom Extension	Splitters=No	
J=Left Bottom Extension	Inlet=1	
K=Splitter Distance	Outlet=2	
L=Left Top Extension	Insulation Parts=Same	
M=Right Top Extension		
N=Left Width		
O=Right Width		

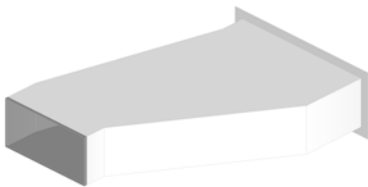
Seams
S1=None

Damper:



Pattern: 6

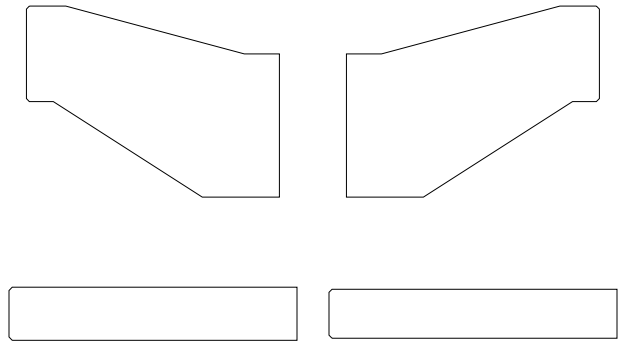
Rectangular



Dims	Options	Conn's
A=Left Width	Vee Depth Male=Auto	C1=S&D
B=Depth	Vee Depth Female=Auto	C2=TDC
C=Right Width	Vee Notch Angle=30.000	
D=Length	Estimated Width Out %age=Not Used	
E=Left Extension	Seam Cut Back=0.000	
F=Right Extension	Allow Central Tie Rods=No	
G=Offset Width	Insulation Parts=Same	
H=Angle	Split Mitre=No	
I=Left Extension		
J=Right Extension		
K=Right Width		

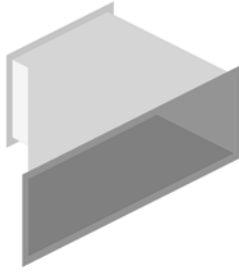
Seams
S1=None

Damper: None
None



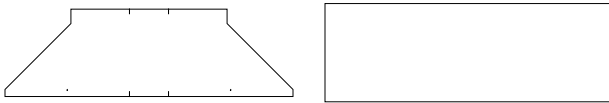
Pattern: 7

Rectangular



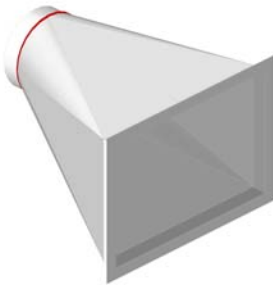
Dims	Options	Conn's
A=Top Width	Throat Type=Mitred	C1=TDC
B=Depth	2 Parts=Yes	C2=TDC
C=Height	Vee Depth Male=Auto	
D=Top Extension	Vee Depth Female=Auto	
E=Bottom Extension	Vee Notch Angle=30.000	
F=Btm Width	Connector Fold Notch=Use Default	
	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
	Connector Fold Notch=Use Default	
	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
	Dynamic Hole Adjust=Auto	
		Seams
		S1=None

Damper: None
None

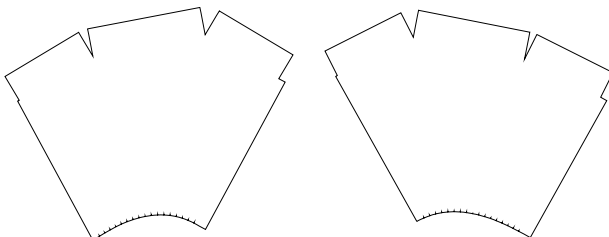


Pattern: 8

Rectangular/Round

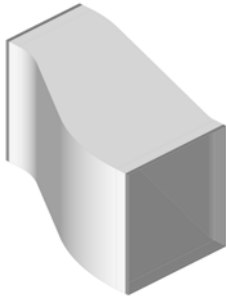


Dims	Options	Conn's
A=Width	Cross Break=2	C1=TDC
B=Depth	Length Break=1	C2=GRC_Swage-Male
C=Diameter	Diameter Type=Nominal	
D=Length	Seam Position=Width	
E=Offset Width	Marker Type=Notch	
F=Offset Depth	Estimated Diameter %age=Not Used	
G=Extension	Input=Length	
H=Collar	Offset Width=Left In	
I=Corner Radius	Offset Depth=Bottom Up	
J=Slope Angle	Inlet=1	
	Outlet=2	
	Maximum Angle=180.000	
	Fold Notch Depth=Full Allowance	
	Hide Internal Lines=No	
	Show Center Line=No	
	V Notch Rectangular Extension=No	
	Seam Cut Back=None	
	Cut Back Allowance (%)=50.000	
	2 Parts 90 Degrees Seam=No	
		Seams
		S1=PITTS-S
		Damper: None



Pattern: 9

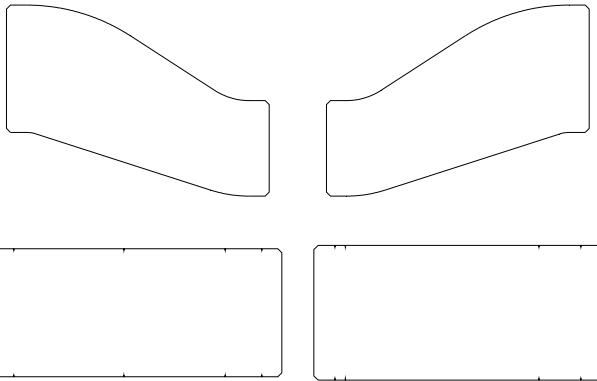
Rectangular



Dims	Options	Conn's
A=Width In	Vee Depth Male=Auto	C1=S&D
B=Depth	Vee Depth Female=Auto	C2=S&D
C=Width Out	Vee Angle Male=30	
D=Length	Vee Angle Female=30	
E=Extension In	Offset Width=Left In	
F=Extension Out	Restricted Flow=Warning	
G=Offset Width	Seam Cut Back=0.000	
H=Radius Out	Allow Central Tie Rods=No	
I=Radius In	Wraps V Notch If Zero Radius=No	
	New 3D And Develops=No	
	Separate Extension In=No	

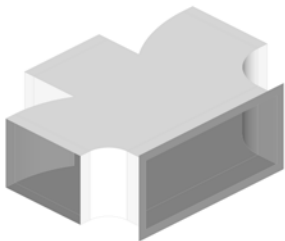
Seams
S1=None

Damper:



Pattern: 10

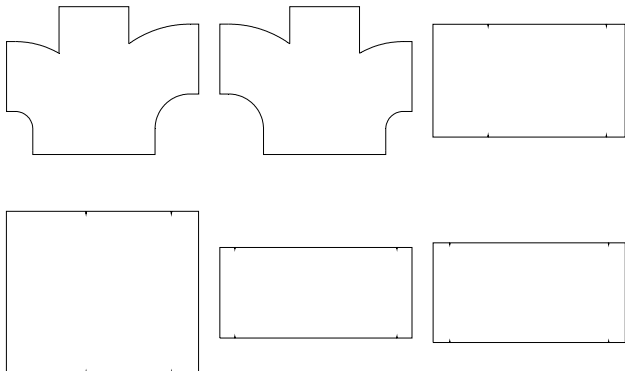
Rectangular



Dims	Options	Conn's
A=Btm Width	Right Throat Type=Radius	C1=TDC
B=Depth	Left Throat Type=Radius	C2=None
C=Top Width	Vee Depth Male=Auto	C3=None
D=Right Width	Vee Depth Female=Auto	C4=None
E=Left Width	Vee Angle Male=30	
F=Height	Vee Angle Female=30	
G=Right Height	Right Heel Type=Radius	
H=Left Height	Left Heel Type=Radius	
I=Right Radius	Junction Notch=Use Default	
J=Left Radius	Vee Notch Angle=20.000	
K=Right Angle	2 Part Wrapper=No	
L=Left Angle	Top Right=Straight	
M=Btm Right Extension	Top Left=Straight	
N=Btm Left Extension	Outlet=2	
O=Right Extension	Insulation Parts=Same	
P=Left Extension		
Q=Top Extension		

Seams
S1=None
S2=None

Damper:



Pattern: 11

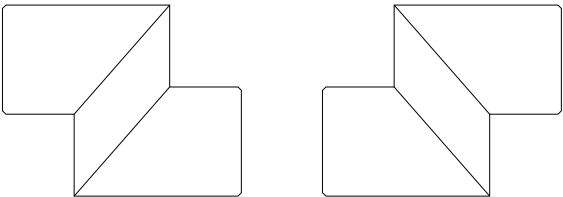
Rectangular



Dims		Options	Conn's
A=Left Width	B=Depth	Vee Depth Male=Auto	C1=S&D
C=Right Width	D=Length	Vee Depth Female=Auto	C2=S&D
E=Left Extension	F=Right Extension	Vee Notch Angle=20.000	
G=Offset Width		Estimated Width Out %age=Not Used	
		Insulation Parts=Same	

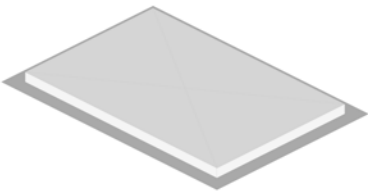
Seams
S1=None

Damper:



Pattern: 12

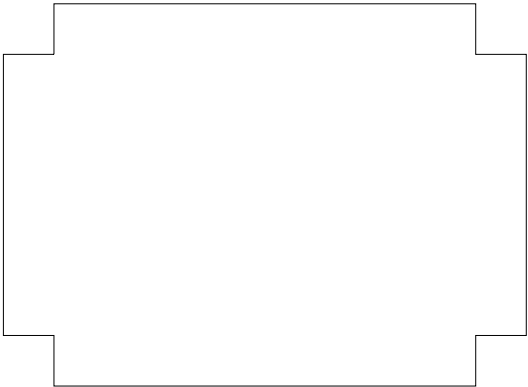
Rectangular



Dims		Options	Conn's
A=Width	B=Depth	Duct Adjust=0.000	C1=TDC
C=Turnover		Add Allowance To Body=No	C2=None
		Mirror=No	
		Symbol=Yes	

Seams
S1=PITTS-S

Damper:



Pattern: 13

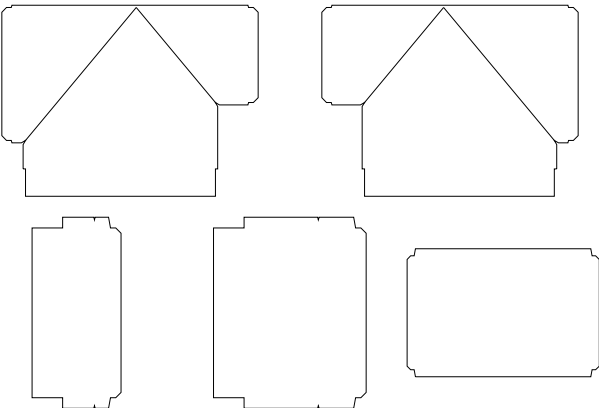
Rectangular



Dims	Options	Conn's
A=Btm Width	3 Parts=No	C1=TDC
B=Depth	Vee Depth Male=Auto	C2=S&D
C=Left Width	Vee Depth Female=Auto	C3=S&D
D=Right Width	Vee Notch Angle=30.000	
E=Bottom Extension	Estimated Width Out %age=Not Used	
F=Right Extension	Hole Diameter=0.500	
G=Left Extension	Hole Spacing=2.000	
H=Splitter Distance	Splitters=No	
I=Left Width	Inlet=1	
J=Right Width	Outlet=2	
	Insulation Parts=Same	

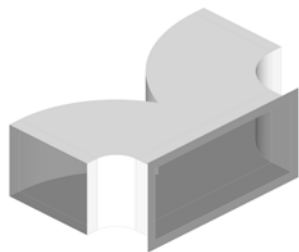
Seams
S1=PIITS-S

Damper:



Pattern: 14

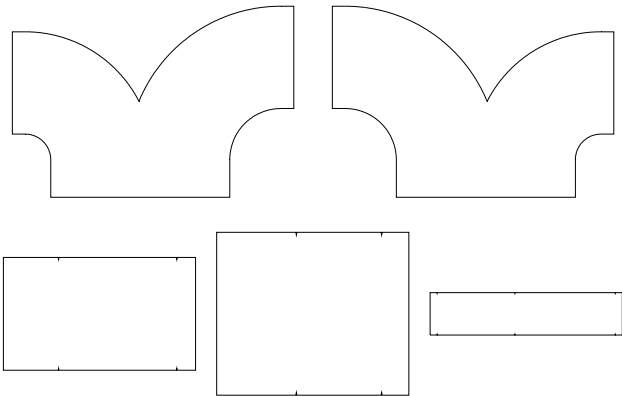
Rectangular



Dims	Options	Conn's
A=Btm Width	Right Throat Type=Radius	C1=TDC
B=Depth	Left Throat Type=Radius	C2=None
C=Right Width	Vee Depth Male=Auto	C3=None
D=Left Width	Vee Depth Female=Auto	
E=Height	Vee Angle Male=30	
F=Right Radius	Vee Angle Female=30	
G=Left Radius	Right Heel Type=Radius	
H=Right Angle	Left Heel Type=Radius	
I=Left Angle	2 Part Wrapper=No	
J=Btm Right Extension	Back Wrapper=Marker Notch	
K=Btm Left Extension	Outlet=2	
L=Right Extension	Insulation Parts=Same	
M=Left Extension		

Seams
S1=None
S2=None

Damper:



Pattern: 15

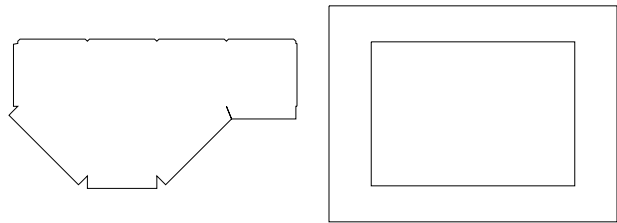
Rectangular/Fabrication



Dims	Options	Conn's
A=Width	Branch Parts=1	C1=S&D
B=Depth	Plate Parts=1	C2=TDC
C=Length	Seam Position=Corner	
D=Angle	Hole Adjust=0.000	
E=Plate Width		
F=Plate Depth		
G=Offset Depth		
H=Offset Width		
I=Btm Width		
J=Plate Width Adjust		
K=Plate Depth Adjust		

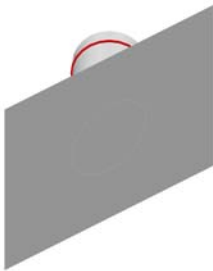
Seams
S1=PIITS-S
S2=PIITS-S

Damper:



Pattern: 16

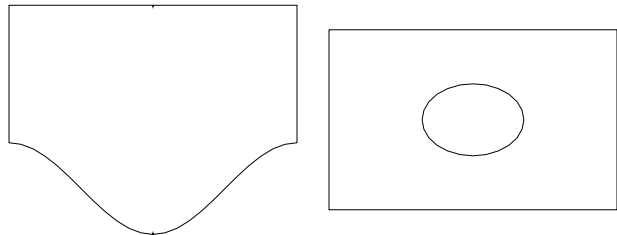
Round/Fabrication



Dims	Options	Conn's
A=Branch Diameter	Branch Parts=1	C1=GRC_Swage-Male
B=Length	Plate Parts=1	C2=None
C=Angle	Seam Position=0.000	
D=Plate Width	Hole Adjust=0.000	
E=Plate Depth	Diameter Type=Nominal	
F=Offset Width	Turnover=0.000	
G=Offset Depth	Item Pattern Length/Angle=Length	
H=Extension	Use Marker Notch (OM End)=Yes	
I=Bottom Width	Notch Hole Ends=No	
	Dynamic Hole Adjust=Auto	

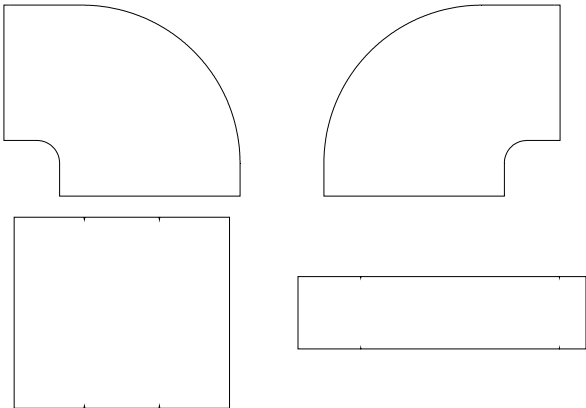
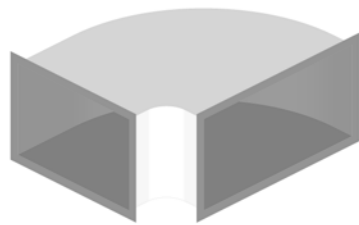
Seams
S1=None
S2=None

Damper: None



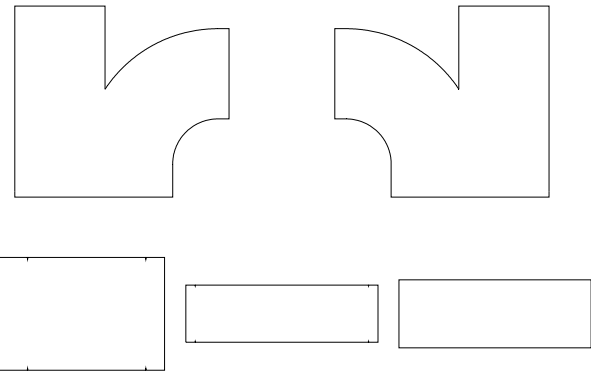
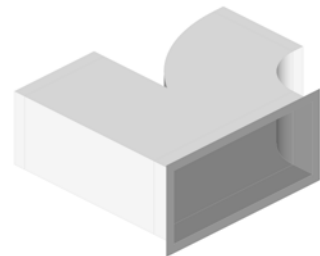
Pattern: 17

Rectangular/Fabrication



Pattern: 18

Rectangular



Dims	Options	Conn's
A=Top Width	Throat Type=Radius	C1=TDC
B=Depth	Length Adjust For Part 4=0.000	C2=TDC
C=Btm Width	Length Adjust For Part 3=0.000	
D=Angle	Vee Depth Male=Auto	
E=Top Extension	Vee Depth Female=Auto	
F=Bottom Extension	Vee Angle Male=30	
G=Inner Radius	Vee Angle Female=30	
	Auto Oversize=Normal	
	Seam Number For Throat=	
	Leg Lengths=No	
	Allow Central Tie Rods=Yes	
	Riser Bend=No	
	Mark Splitter Sides=No	
	Insulation Parts=Same	
	Draw Custom Insulation=No	

Seams
S1=None

Damper:

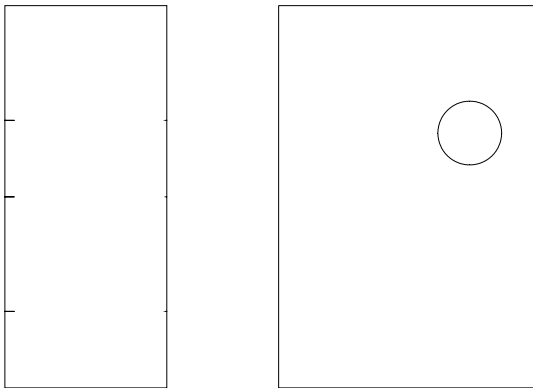
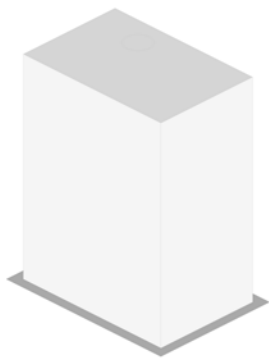
Dims	Options	Conn's
A=Btm Width	Right Throat Type=Radius	C1=TDC
B=Depth	Vee Depth Male=Auto	C2=None
C=Top Width	Vee Depth Female=Auto	C3=None
D=Right Width	Vee Angle Male=30	
E=Height	Vee Angle Female=30	
F=Right Height	Right Heel Type=Radius	
G=Right Radius	Junction Notch=Use Default	
H=Right Angle	2 Part Wrapper=No	
I=Bottom Extension	Top Right=Straight	
J=Right Extension	Outlet=2	
K=Top Extension	Insulation Parts=Same	

Seams
S1=None
S2=None

Damper:

Pattern: 19

Rectangular



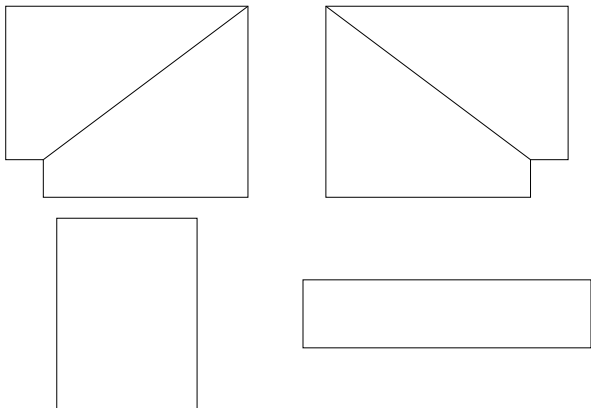
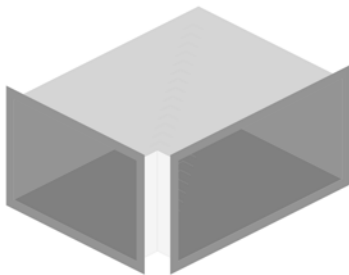
Dims	Options	Conn's
A=Width	Straight Type=1 Part Straight	C1=TDC
B=Depth	Notch Angle For Lid=45.000	C2=GRC_Swage-Male
C=Length	Collar Allowance=0.000	
D=Hole Width #1	Lid Adjust=0.000	
E=Hole Depth #1	Diameter Type=Nominal	
F=Hole Radius #1	Hole Adjust=0.000	
G=Hole Inset #1	Notch Angle For Seam=Default	
H=Hole Offset #1	Position From=Centre	
I=Hole Collar #1	Collar Allowance=0.000	
J=Hole Axis Rotn #1	Collar Allowance=0.000	
	Collar Allowance=0.000	
	Collar Allowance=0.000	
	Collar Allowance=0.000	

Seams
S1=None
S2=None
S3=None

Damper: None

Pattern: 20

Rectangular



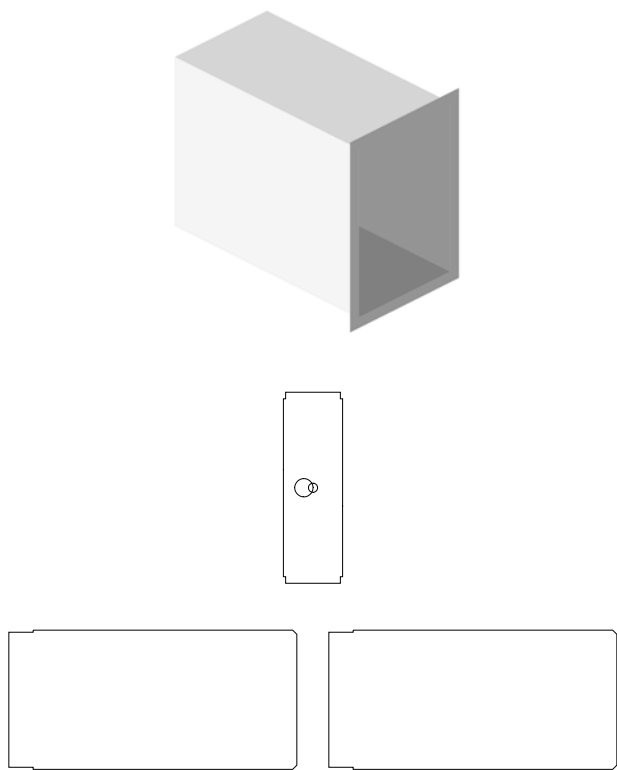
Dims	Options	Conn's
A=Top Width	Length Adjust For Part 4=0.000	C1=TDC
B=Depth	Length Adjust For Part 3=0.000	C2=TDC
C=Btm Width	Vee Depth Male=Auto	
D=Angle	Vee Depth Female=Auto	
E=Top Extension	Vee Angle Male=30	
F=Bottom Extension	Vee Angle Female=30	
	3 Parts=No	
	Seam Number For Throat=	
	Attenuator=No	
	Leg Lengths=No	
	Allow Central Tie Rods=Yes	
	Riser Bend=No	
	Mark Splitter Sides=No	
	Insulation Parts=Same	
	Draw Custom Insulation=No	

Seams
S1=None

Damper:

Pattern: 21

Rectangular



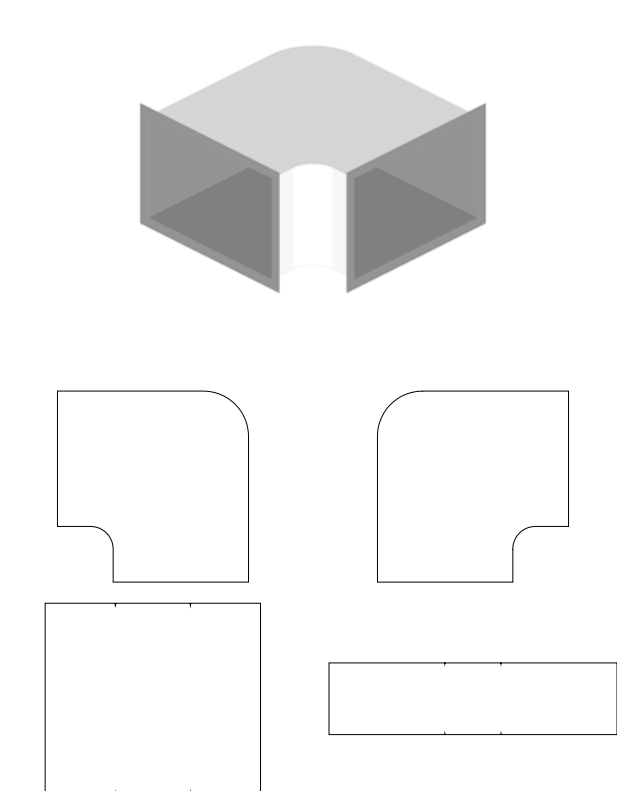
Dims	Options	Conn's
A=Width	Notch Angle For Lid=45.000	C1=TDC
B=Depth	Collar Allowance=0.000	C2=GRC_Swage-Male
C=Length	Lid Adjust=0.000	C3=GRC_Swage-Male
D=Hole Width #1	1 Part Straight=Yes	
E=Hole Depth #1	Diameter Type=Nominal	
F=Hole Radius #1	Hole Adjust=0.000	
G=Hole Inset #1	Vee Notch Angle=0.000	
H=Hole Offset #1	Collar Allowance=0.000	
I=Hole Collar #1	Collar Allowance=0.000	
J=Hole Axis Rotn #1	Collar Allowance=0.000	
K=Hole Width #2	Collar Allowance=0.000	
L=Hole Depth #2	Collar Allowance=0.000	
M=Hole Radius #2		
N=Hole Inset #2		
O=Hole Offset #2		
P=Hole Collar #2		
Q=Hole Axis Rotn #2		

Seams
S1=PIITTS-S
S2=PIITTS-S
S3=PIITTS-S
S4=PIITTS-S

Damper: None

Pattern: 22

Rectangular



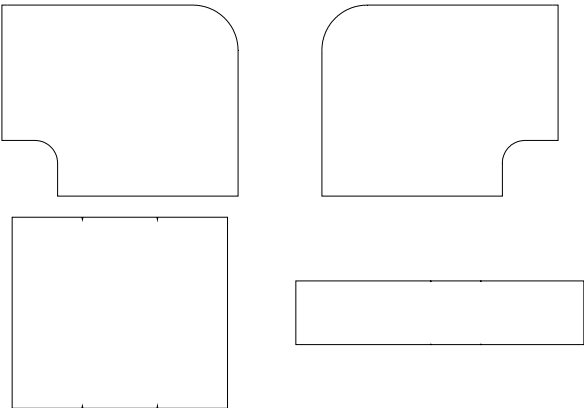
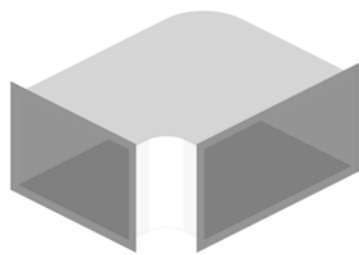
Dims	Options	Conn's
A=Width	Throat Type=Radius	C1=TDC
B=Depth	Length Adjust For Part 4=0.000	C2=TDC
C=Angle	Length Adjust For Part 3=0.000	
D=Top Extension	Vee Depth Male=Auto	
E=Bottom Extension	Vee Depth Female=Auto	
F=Inner Radius	Vee Angle Male=30	
G=Outer Radius	Vee Angle Female=30	
	3 Parts=No	
	Auto Oversize=Normal	
	Seam Number For Throat=	
	Leg Lengths=No	
	Allow Central Tie Rods=Yes	
	Riser Bend=No	
	Mark Splitter Sides=No	
	Insulation Parts=Same	
	Draw Custom Insulation=No	

Seams
S1=None

Damper:

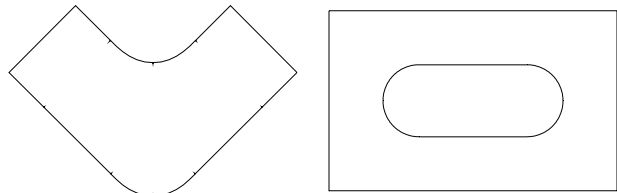
Pattern: 23

Rectangular



Pattern: 24

Round



Dims	Options	Conn's
A=Top Width	Throat Type=Radius	C1=TDC
B=Depth	Length Adjust For Part 4=0.000	C2=TDC
C=Btm Width	Length Adjust For Part 3=0.000	
D=Angle	Vee Depth Male=Auto	
E=Top Extension	Vee Depth Female=Auto	
F=Bottom Extension	Vee Angle Male=30	
G=Inner Radius	Vee Angle Female=30	
H=Outer Radius	3 Parts=No	
	Auto Oversize=Normal	
	Seam Number For Throat=	
	Leg Lengths=No	
	Allow Central Tie Rods=Yes	
	Riser Bend=No	
	Mark Splitter Sides=No	
	Insulation Parts=Same	
	Draw Custom Insulation=No	

Seams
S1=None

Damper:

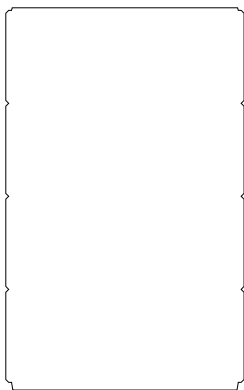
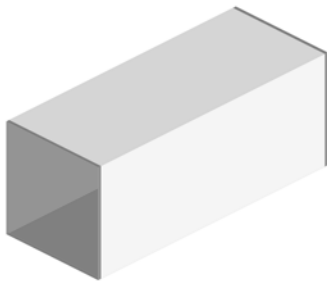
Dims	Options	Conn's
A=Branch Diameter	Branch Parts=1	C1=GRC_Swage-Male
B=Length	Plate Parts=1	C2=None
C=Angle	Seam Position=0.000	
D=Plate Width	Hole Adjust=0.000	
E=Plate Depth	Diameter Type=Nominal	
F=Offset Width	Turnover=0.000	
G=Offset Depth	Item Pattern Length/Angle=Length	
H=Collar	Use Marker Notch (OM End)=Yes	
I=Bottom Width	Hide Internal Lines=No	
	Notch Hole Ends=No	
	Dynamic Hole Adjust=Auto	

Seams
S1=None
S2=None

Damper: None

Pattern: 25

Rectangular/Fabrication

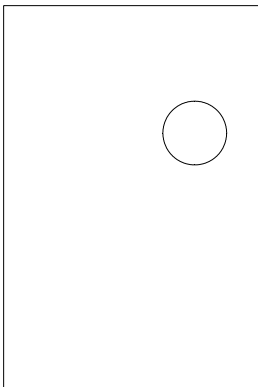
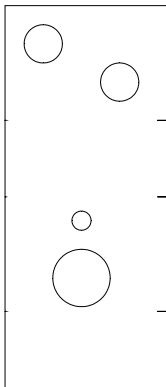
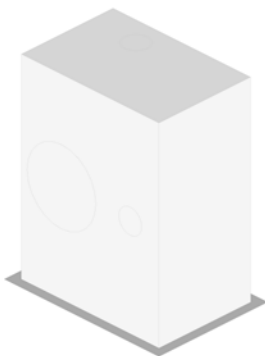


Dims		Options	Conn's
A=Width	B=Depth	Straight Type=1 Part Straight	C1=S&D
C=Length		Female Allow=Shortest Side	C2=S&D
		1xU,1xI=Shortest Side	
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Beading=No	
		Insulation Parts=Same	
		Insulation UI=Shortest Side	
			Seams
			S1=Snaplock

Damper:

Pattern: 26

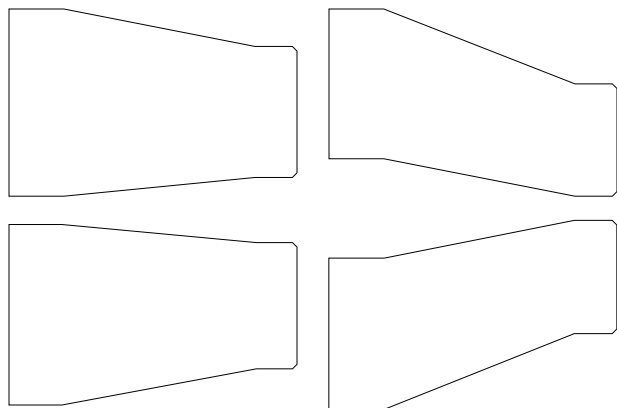
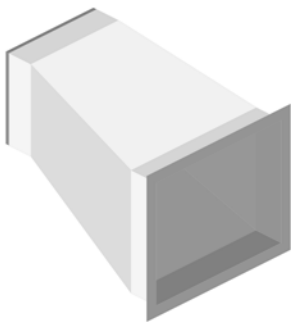
Rectangular



Dims		Options	Conn's
A=Width		Straight Type=1 Part Straight	C1=TDC
B=Depth		Notch Angle For Lid=45.000	C2=GRC_Swage-Male
C=Length		Lid Adjust=0.000	C3=GRC_Swage-Male
D=Hole Width #1		Diameter Type=Nominal	C4=GRC_Swage-Male
E=Hole Depth #1		Hole Adjust=0.000	C5=GRC_Swage-Male
F=Hole Radius #1		Straight=Yes	C6=GRC_Swage-Male
G=Hole Inset #1		Collar Allowance=0.000	
H=Hole Offset #1		Collar Allowance=0.000	
I=Hole Collar #1		Collar Allowance=0.000	
J=Hole Axis Rotn #1		Collar Allowance=0.000	
K=Hole Width #2		Collar Allowance=0.000	
L=Hole Depth #2			
M=Hole Radius #2			
N=Hole Inset #2			
O=Hole Offset #2			
P=Hole Collar #2			
Q=Hole Axis Rotn #2			
R=Hole Width #3			
S=Hole Depth #3			
T=Hole Radius #3			
U=Hole Inset #3			
V=Hole Offset #3			
W=Hole Collar #3			
X=Hole Axis Rotn #3			
Y=Hole Width #4			
Z=Hole Depth #4			
a=Hole Radius #4			
b=Hole Inset #4			
c=Hole Offset #4			
d=Hole Collar #4			
e=Hole Axis Rotn #4			
			Seams
			S1=None S6=None
			S2=None S7=None
			S3=None
			S4=None
			S5=None
			Damper: None

Pattern: 27

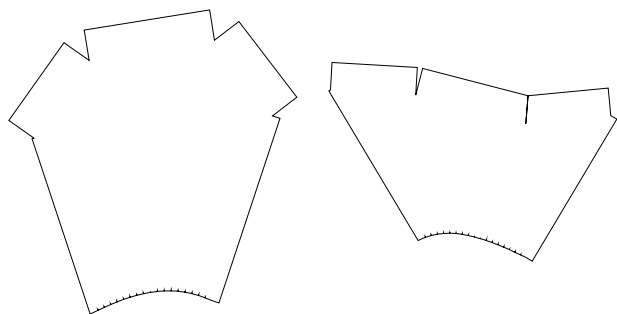
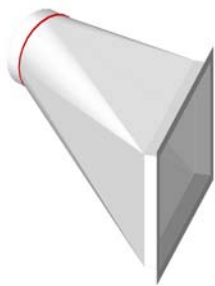
Rectangular



Dims	Options	Conn's
A=Width In	2 Parts=No	C1=TDC
B=Depth In	3 Parts=No	C2=S&D
C=Width Out	Vee Depth Male=Auto	
D=Depth Out	Vee Depth Female=Auto	
E=Length	Vee Notch Angle=20.000	
F=Extension In	Female Allow=Shortest Slope	
G=Extension Out	2-Sided Part Allowance=Auto	
H=Offset Width	Estimated Width Out %age=Not Used	
I=Offset Depth	Estimated Depth Out %age=Not Used	
J=Angle	Offset Width=Left In	
	Offset Depth=Bottom Up	
	Connector Fold Notch=Use Default	Seams
	Vee Notch Depth=Auto	S1=None
	Vee Notch Angle=30.000	
	Input=Length	
	Vee Notch Depth If Straight Edge (Female)...	
	Maximum Angle=180.000	
	Splitter Turnover=0.000	Damper:
	Splitter Extension=0.000	
	Splitter Adjust=0.000	
	Connector Fold Notch=Use Default	
	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
	Splitter Hole Diameter=0.000	
	Number Of Holes=0.000	
	Splitters=Half	
	Hole Inset=0.000	
	Fixing Holes on Turnover=No	
	Seam Cut Back=0.000	

Pattern: 28

Rectangular/Round

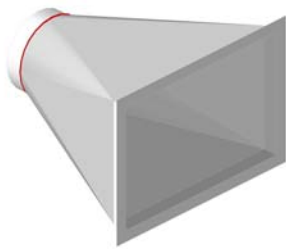


Dims	Options	Conn's
A=Width	Cross Break=2	C1=TDC
B=Depth	Length Break=1	C2=GRC_Swage-Male
C=Diameter	Diameter Type=Nominal	
D=Length	Seam Position=Width	
E=Rectangular Angle	Marker Type=Notch	
F=Offset Width	Estimated Diameter %age=Not Used	
G=Offset Depth	Offset Width=Left In	
H=Extension	Offset Depth=Bottom Up	
I=Collar	Inlet=1	
J=Round Angle	Outlet=2	
K=Corner Radius	Fold Notch Depth=Full Allowance	Seams
	V Notch Rectangular Extension=No	S1=PIITS-S
	Seam Cut Back=None	
	Cut Back Allowance (%)=50.000	
	2 Parts 90 Degrees Seam=No	

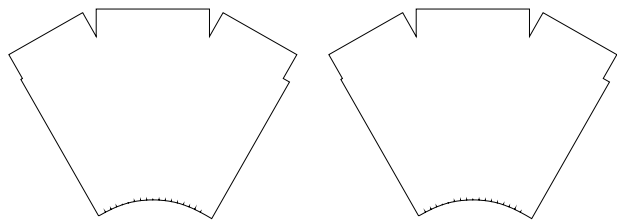
Damper: None

Pattern: 29

Rectangular/Round

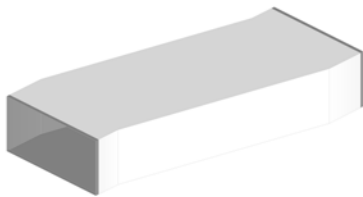


Dims	Options	Conn's
A=Width	Cross Break=2	C1=TDC
B=Depth	Length Break=1	C2=GRC_Swage-Male
C=Diameter	Diameter Type=Nominal	
D=Length	Seam Position=Width	
E=Extension	Marker Type=Notch	
F=Collar	Estimated Diameter %age=Not Used	
G=Corner Radius	Input=Length	
H=Slope Angle	Offset Width=Left In	
	Offset Depth=Bottom Up	
	Inlet=1	
	Outlet=2	
	Maximum Angle=180.000	
	Fold Notch Depth=Full Allowance	
	V Notch Rectangular Extension=No	
	Seam Cut Back=None	
	Cut Back Allowance (%)=50.000	
	2 Parts 90 Degrees Seam=No	
		Seams
		S1=PITTS-S
		Damper: None

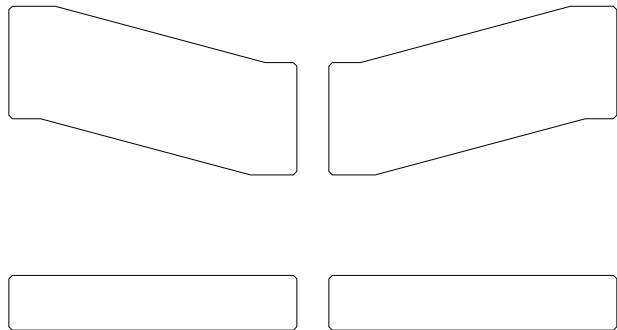


Pattern: 30

Rectangular

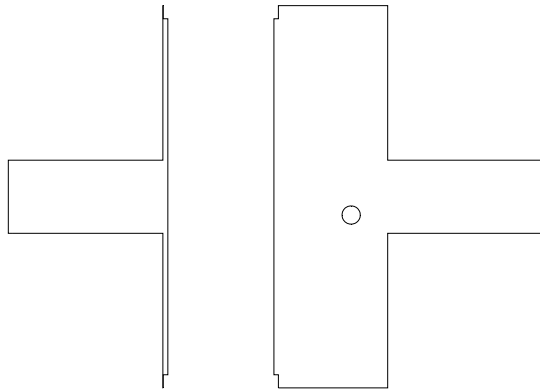
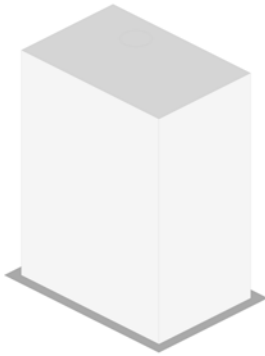


Dims	Options	Conn's
A=Width	Vee Depth Male=Auto	C1=S&D
B=Depth	Vee Depth Female=Auto	C2=S&D
C=Length	Vee Notch Angle=30.000	
D=Left Extension	Input=Length	
E=Right Extension	Maximum Angle=180.000	
F=Offset Width	Seam Cut Back=0.000	
G=Angle	Allow Central Tie Rods=No	
H=Left Extension	Insulation Parts=Same	
I=Right Extension	Split Mitre=No	
J=Right Width	Inlet=1	
	Outlet=2	
		Seams
		S1=None
		Damper: None
		None



Pattern: 31

Rectangular



Dims	Options	Conn's
A=Width	Collar Allowance=0.000	C1=TDC
B=Depth	Diameter Type=Nominal	C2=GRC_Swage-Male
C=Length	Hole Adjust=0.000	
D=Hole Width #1	Position From=Centre	
E=Hole Depth #1	Use Vee Notch=No	
F=Hole Radius #1	Vee Notch Angle=0.000	
G=Hole Inset #1	Cost Supports=No	
H=Hole Offset #1	Collar Allowance=0.000	
I=Hole Collar #1	Collar Allowance=0.000	
J=Hole Axis Rotn #1	Collar Allowance=0.000	
	Collar Allowance=0.000	
	Collar Allowance=0.000	

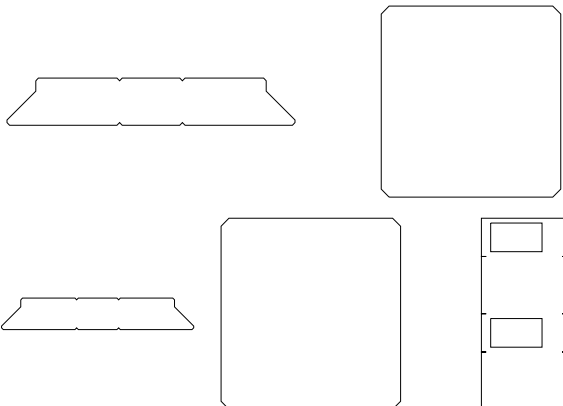
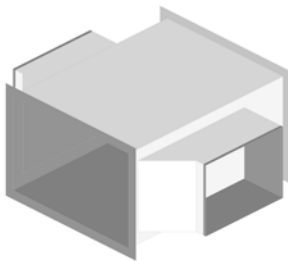
Seams

S1=None
S2=None

Damper: None

Pattern: 32

Rectangular



Dims	Options	Conn's
A=Width	Straight Type=1 Part Straight	C1=TDC
B=Depth	Throat Type=Mitred	C2=TDC
C=Length	2 Part Branch=Yes	C3=S&D
D=Branch Width #1	Vee Depth Male=Auto	C4=S&D
E=Branch Depth #1	Vee Depth Female=Auto	C5=S&D
F=Height #1	Vee Notch Angle=30.000	C6=S&D
G=Extension #1	Female Allow=Shortest Side	C7=S&D
H=Inset #1	1xU,1xl=Shortest Side	C8=S&D
I=Offset #1	Connector Fold Notch=Use Default	
J=Branch Width #2	Vee Notch Depth=Auto	
K=Branch Depth #2	Vee Notch Angle=30.000	
L=Height #2	Branch Connector Fold Notch=Use Default	
M=Extension #2	Vee Notch Depth=Auto	
N=Inset #2	Vee Notch Angle=30.000	
O=Offset #2	Hole Adjust=0.000	
P=Branch Width #3	Connector Fold Notch=Use Default	
Q=Branch Depth #3	Vee Notch Depth=Auto	
R=Height #3	Vee Notch Angle=30.000	
S=Extension #3		
T=Inset #3		
U=Offset #3		

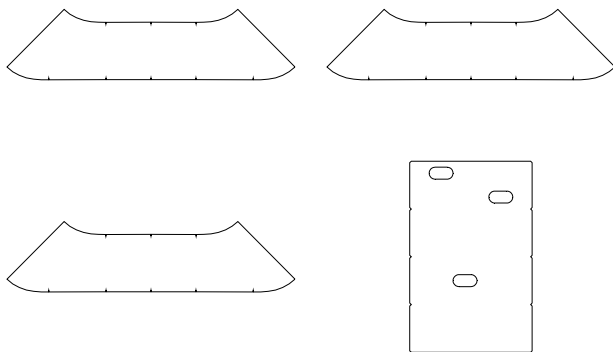
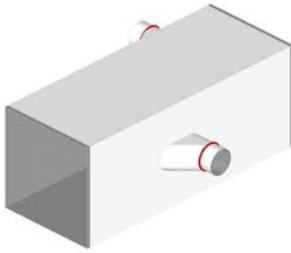
Seams

S1=None
S2=None
S3=None
S4=None

Damper:

Pattern: 33

Rectangular



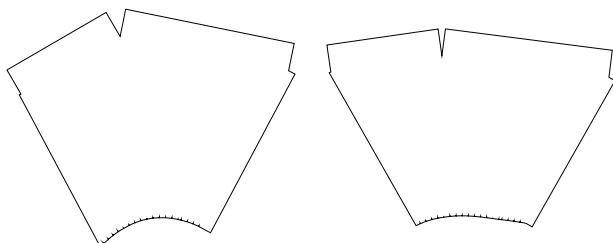
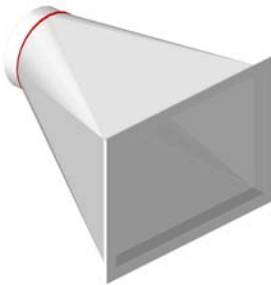
Dims	Options	Conn's
A=Width	Straight Type=1 Part Straight	C1=S&D
B=Depth	Branch Diameter Type=Nominal	C2=S&D
C=Length	Branch Diameter Type=Nominal	C3=GRC_Swage-Male
D=Branch Diameter #1	Branch Diameter Type=Nominal	C4=GRC_Swage-Male
E=Height #1	Hole Adjust=0.000	C5=GRC_Swage-Male
F=Extension #1	Branch Allowance To Pipe=0.000	
G=Inset #1	Female Allow=Shortest Side	
H=Offset #1	1xU,1xI=Shortest Side	
I=Branch Diameter #2	Branch Parts=1	
J=Height #2	Branch Seam Position=Default	
K=Extension #2	Branch Insets=From C1 To Branch Center	
L=Inset #2		
M=Offset #2		
N=Branch Diameter #3		
O=Height #3		
P=Extension #3		
Q=Inset #3		
R=Offset #3		

Seams
S1=None
S2=None
S3=None
S4=None

Damper:

Pattern: 34

Rectangular/Round/Fabrication



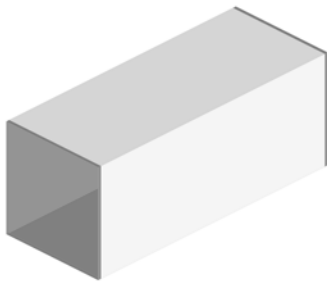
Dims	Options	Conn's
A=Width	Cross Break=2	C1=TDC
B=Depth	Length Break=1	C2=GRC_Swage-Male
C=Diameter	Diameter Type=Nominal	
D=Length	Seam Position=Corner	
E=Offset Width	Marker Type=Notch	
F=Offset Depth	Estimated Diameter %age=Not Used	
G=Extension	Input=Length	
H=Collar	Offset Width=Left In	
I=Corner Radius	Offset Depth=Bottom Up	
J=Slope Angle	Inlet=1	
	Outlet=2	
	Maximum Angle=180.000	
	Fold Notch Depth=Full Allowance	
	V Notch Rectangular Extension=No	
	Shift Round 45 Degrees=No	
	Seam Cut Back=None	
	Cut Back Allowance (%)=50.000	
	2 Parts 90 Degrees Seam=No	

Seams
S1=PITTS-S

Damper: None

Pattern: 35

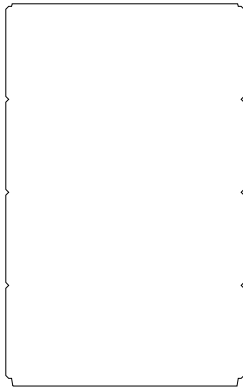
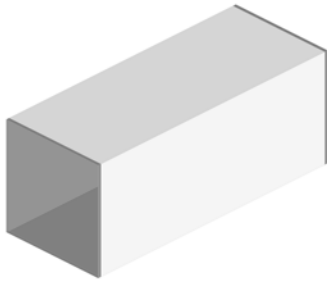
Rectangular



Dims		Options	Conn's
A=Width	B=Depth	Straight Type=1 Part Straight	C1=S&D
C=Length		Duct Length=(inch)	C2=S&D
		Allow Multiple Straights=Yes	
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Maximum Sheet Size=None	
		Allow Split Sides=No	
		Maximum Fold Length=None	
		Minimum Fold Length=None	
		STD Straight=No	
		Connector Fold Notch=Use Default	Seams
		Vee Notch Depth=Auto	S1=Snaplock
		Vee Notch Angle=30.000	S2=Snaplock
		Beading=No	
		Insulation Parts=Same	
		Insulation UI=Shortest Side	
			Damper:

Pattern: 36

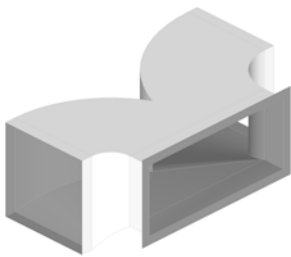
Rectangular



Dims		Options	Conn's
A=Width	B=Depth	Straight Type=1 Part Straight	C1=S&D
C=Length		Female Allow=Shortest Side	C2=S&D
		1xU,1xI=Shortest Side	
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Beading=No	
		Insulation Parts=Same	
		Insulation UI=Shortest Side	Seams
			S1=Snaplock
			Damper:

Pattern: 37

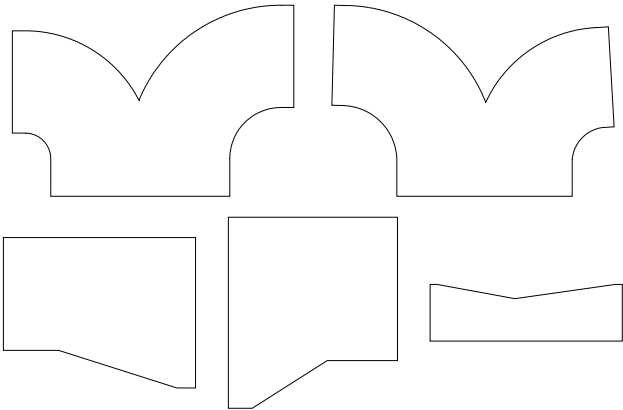
Rectangular



Dims		Options	Conn's
A=Btm Width		Right Throat Type=Radius	C1=TDC
B=Btm Depth		Left Throat Type=Radius	C2=None
C=Right Width		Vee Depth Male=Auto	C3=None
D=Right Depth		Vee Depth Female=Auto	
E=Left Width		Vee Angle Male=30	
F=Left Depth		Vee Angle Female=30	
G=Right Offset		Junction Notch=Use Default	
H=Left Offset		Vee Notch Angle=20.000	
I=Height		2 Part Wrapper=No	
J=Right Radius		Right Folds=End Point	
K=Left Radius		Left Folds=End Point	
L=Right Angle		Inlet=1	
M=Left Angle		Outlet=2	
N=Btm Right Extension		Separate Mid Cheeks=No	
O=Btm Left Extension			
P=Right Extension			
Q=Left Extension			

Seams
S1=None
S2=None

Damper:



Pattern: 38

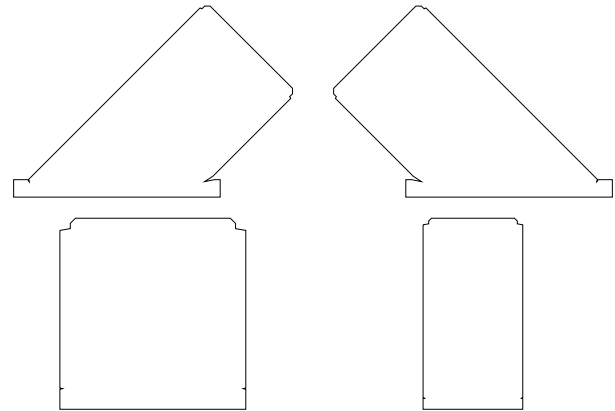
Rectangular



Dims		Options	Conn's
A=Width	B=Depth		C1=S&D
C=Length	D=Angle		C2=None
E=Flange			

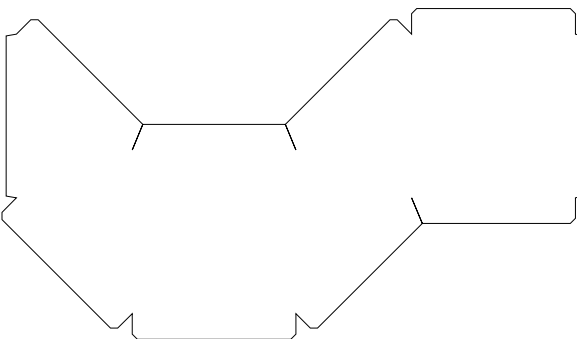
Seams
S1=PIITS-S

Damper:



Pattern: 39

Rectangular



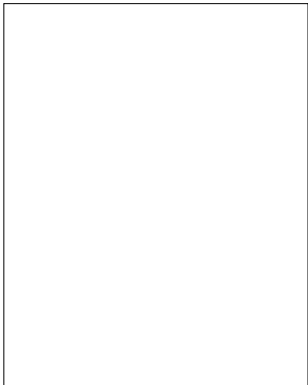
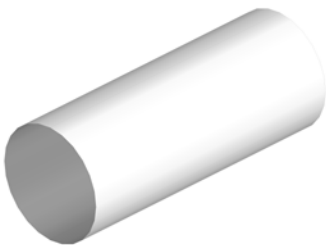
Dims	Options	Conn's
A=Width	Branch Parts=1	C1=S&D
B=Depth	Seam Position=Corner	C2=S&D
C=Length	Hole Adjust=0.000	
D=Angle		
E=Top Extension		
F=Bottom Extension		

Seams
S1=PITTS-S

Damper:

Pattern: 40

Round



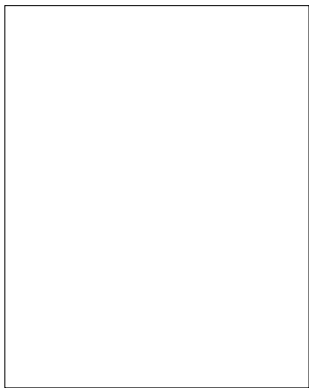
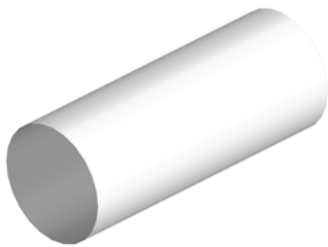
Dims	Options	Conn's
A=Diameter	Seam Position=0.000	C1=GRC_Swage-Fe...
B=Length	Diameter Type=Nominal	C2=GRC_Swage-Fe...
C=Left Extension	Duct Length=(inch)	
D=Right Extension	Area Adjust (%)=0.000	
	Allow Multiple Straights=Yes	
	STD Straight=No	
	Pipe Parts=1	
	First Break=0.000	
	Second Break=0.000	
	Third Break=0.000	

Seams
S1=Spiral Straight

Damper: None
None

Pattern: 41

Round/Fabrication



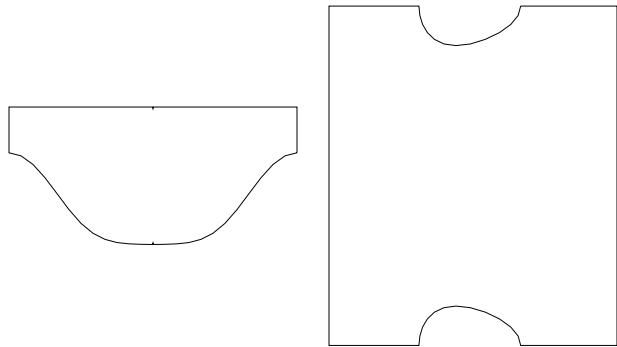
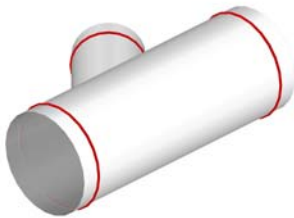
Dims	Options	Conn's
A=Diameter	Seam Position=0.000	C1=GRC_Swage-Fe...
B=Length	Diameter Type=Nominal	C2=GRC_Swage-Fe...
C=Left Extension	Pipe Parts=1	
D=Right Extension	First Break=0.000	
	Second Break=0.000	
	Third Break=0.000	

Seams
S1=Spiral Straight

Damper: None
None

Pattern: 42

Round



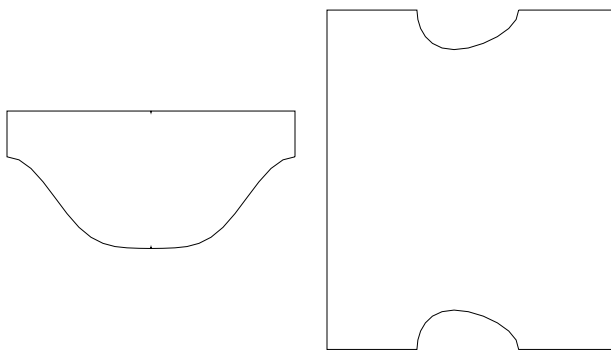
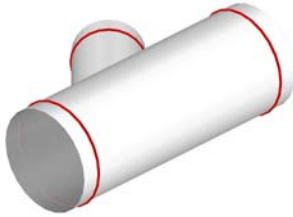
Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	First Break=0.000	C3=GRC_Swage-Male
D=Right Extension	Second Break=0.000	
E=Branch Diameter #1	Third Break=0.000	
F=Branch Length #1	Pipe Diameter Type=Nominal	
G=Angle #1	Branch Diameter Type=Nominal	
H=Inset #1	Hole Adjust=0.000	
I=Extension #1	Branch Allowance To Pipe=0.000	
	Branch Seam Position=0.000	
	Throat Cut Back (Degrees)=0.000	
	Plate Border (Circumference)=0.000	
	Plate Type=Rectangular	
	Estimated Diameter %age=Not Used	
	Cut Back Allowance (%)=0.000	
	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	
	Inlet=1	
	Outlet=2	
	End Castle Width =0.000	
	End Castle Angle=30.000	
	Branches=Fabricated	

Seams
S1=None
S2=None

Damper: None
None
None

Pattern: 43

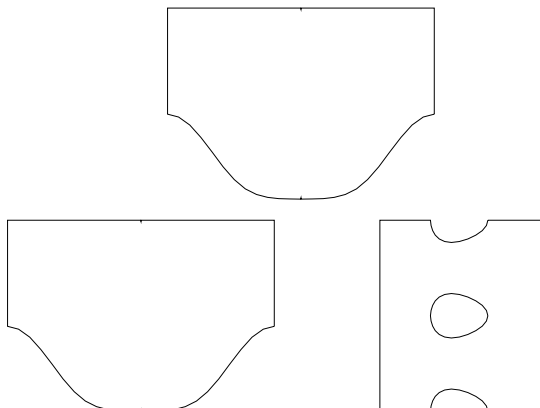
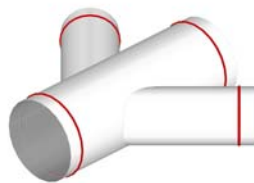
Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	First Break=0.000	C3=GRC_Swage-Male
D=Right Extension	Second Break=0.000	
E=Branch Diameter #1	Third Break=0.000	
F=Branch Length #1	Pipe Diameter Type=Nominal	
G=Angle #1	Branch Diameter Type=Nominal	
H=Inset #1	Hole Adjust=0.000	
I=Offset #1	Branch Allowance To Pipe=0.000	
J=Extension #1	Branch Seam Position=0.000	
	Throat Cut Back (Degrees)=0.000	
	Plate Border (Circumference)=0.000	Seams
	Plate Type=Rectangular	S1=None
	Estimated Diameter %age=Not Used	S2=None
	Cut Back Allowance (%)=0.000	
	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	
	End Castle Width =0.000	Damper: None
	End Castle Angle=30.000	None
		None

Pattern: 44

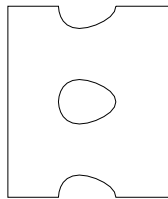
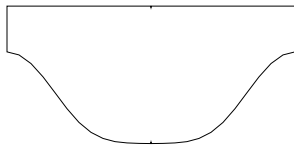
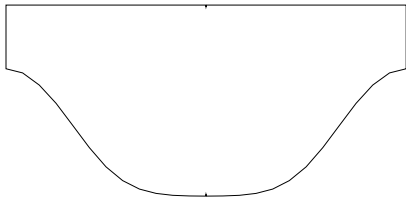
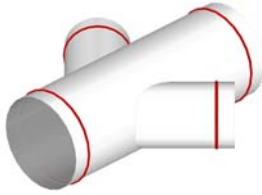
Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	First Break=0.000	C3=GRC_Swage-Male
D=Right Extension	Second Break=0.000	C4=GRC_Swage-Male
E=Branch Diameter #1	Third Break=0.000	
F=Branch Length #1	Pipe Diameter Type=Nominal	
G=Angle #1	Branch Diameter Type=Nominal	
H=Inset #1	Branch Diameter Type=Nominal	
I=Extension #1	Hole Adjust=0.000	
J=Branch Diameter #2	Branch Allowance To Pipe=0.000	
K=Branch Length #2	Branch Seam Position=0.000	
L=Angle #2	Throat Cut Back (Degrees)=0.000	Seams
M=Inset #2	Plate Border (Circumference)=0.000	S1=None
N=Extension #2	Plate Type=Rectangular	S2=None
	Estimated Diameter %age=Not Used	S3=None
	Cut Back Allowance (%)=0.000	
	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	Damper: None
	End Castle Width =0.000	None
	End Castle Angle=30.000	None
	Branches=Fabricated	None

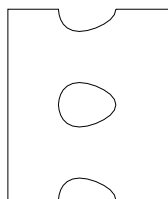
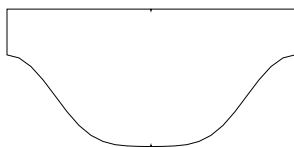
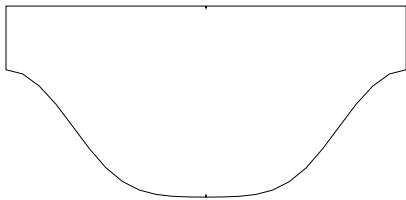
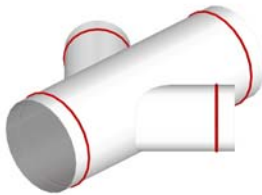
Pattern: 45

Round



Pattern: 46

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	First Break=0.000	C3=GRC_Swage-Male
D=Right Extension	Second Break=0.000	C4=GRC_Swage-Male
E=Branch Diameter #1	Third Break=0.000	
F=Branch Length #1	Pipe Diameter Type=Nominal	
G=Angle #1	Branch Diameter Type=Nominal	
H=Inset #1	Branch Diameter Type=Nominal	
I=Offset #1	Hole Adjust=0.000	
J=Extension #1	Branch Allowance To Pipe=0.000	
K=Branch Diameter #2	Branch Seam Position=0.000	
L=Branch Length #2	Throat Cut Back (Degrees)=0.000	
M=Angle #2	Plate Border (Circumference)=0.000	
N=Inset #2	Plate Type=Rectangular	
O=Offset #2	Estimated Diameter %age=Not Used	
P=Extension #2	Cut Back Allowance (%)=0.000	
	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	
	End Castle Width =0.000	
	End Castle Angle=30.000	

Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None

Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	First Break=0.000	C3=GRC_Swage-Male
D=Right Extension	Second Break=0.000	C4=GRC_Swage-Male
E=Branch Diameter #1	Third Break=0.000	
F=Branch Length #1	Pipe Diameter Type=Nominal	
G=Angle #1	Branch Diameter Type=Nominal	
H=Inset #1	Branch Diameter Type=Nominal	
I=Offset #1	Hole Adjust=0.000	
J=Extension #1	Branch Allowance To Pipe=0.000	
K=Branch Diameter #2	Branch Seam Position=0.000	
L=Branch Length #2	Throat Cut Back (Degrees)=0.000	
M=Angle #2	Plate Border (Circumference)=0.000	
N=Inset #2	Plate Type=Rectangular	
O=Offset #2	Estimated Diameter %age=Not Used	
P=Rotation #2	Cut Back Allowance (%)=0.000	
Q=Extension #2	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	
	End Castle Width =0.000	
	End Castle Angle=30.000	

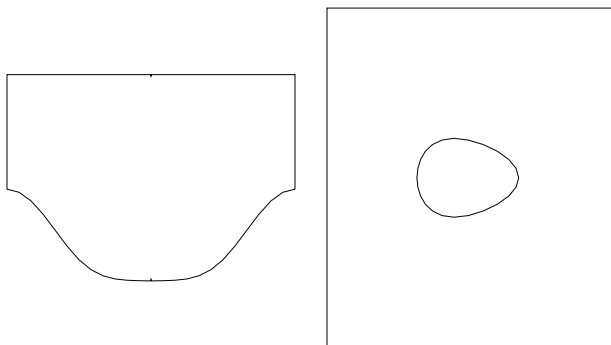
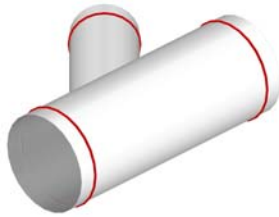
Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 47

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	First Break=0.000	C3=GRC_Swage-Male
D=Right Extension	Second Break=0.000	
E=Branch Diameter #1	Third Break=0.000	
F=Branch Length #1	Pipe Diameter Type=Nominal	
G=Angle #1	Branch Diameter Type=Nominal	
H=Inset #1	Hole Adjust=0.000	
I=Extension #1	Branch Allowance To Pipe=0.000	
	Branch Seam Position=0.000	
	Throat Cut Back (Degrees)=0.000	
	Plate Border (Circumference)=0.000	
	Plate Type=Rectangular	
	Estimated Diameter %age=Not Used	
	Cut Back Allowance (%)=0.000	
	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	
	Inlet=1	
	Outlet=2	
	End Castle Width =0.000	
	End Castle Angle=30.000	
	Branches=Fabricated	

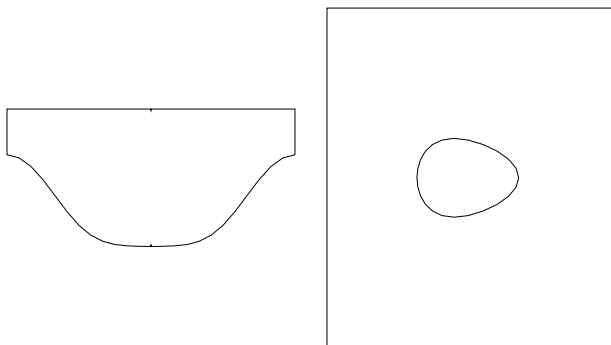
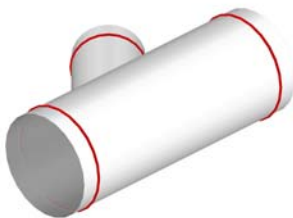
Seams

S1=None
S2=None

Damper: None
None
None

Pattern: 48

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	First Break=0.000	C3=GRC_Swage-Male
D=Right Extension	Second Break=0.000	
E=Branch Diameter #1	Third Break=0.000	
F=Branch Length #1	Pipe Diameter Type=Nominal	
G=Angle #1	Branch Diameter Type=Nominal	
H=Inset #1	Hole Adjust=0.000	
I=Offset #1	Branch Allowance To Pipe=0.000	
J=Extension #1	Branch Seam Position=0.000	
	Throat Cut Back (Degrees)=0.000	
	Plate Border (Circumference)=0.000	
	Plate Type=Rectangular	
	Estimated Diameter %age=Not Used	
	Cut Back Allowance (%)=0.000	
	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	
	End Castle Width =0.000	
	End Castle Angle=30.000	

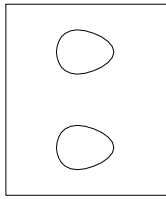
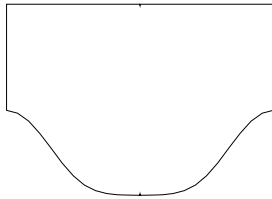
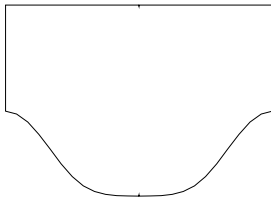
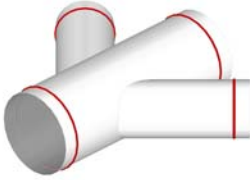
Seams

S1=None
S2=None

Damper: None
None
None

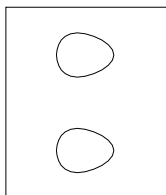
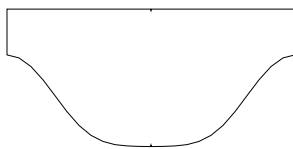
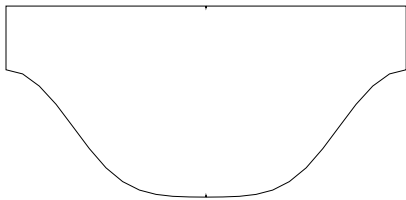
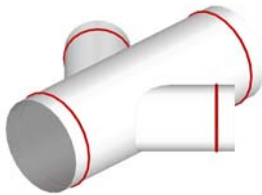
Pattern: 49

Round



Pattern: 50

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	First Break=0.000	C3=GRC_Swage-Male
D=Right Extension	Second Break=0.000	C4=GRC_Swage-Male
E=Branch Diameter #1	Third Break=0.000	
F=Branch Length #1	Pipe Diameter Type=Nominal	
G=Angle #1	Branch Diameter Type=Nominal	
H=Inset #1	Branch Diameter Type=Nominal	
I=Extension #1	Hole Adjust=0.000	
J=Branch Diameter #2	Branch Allowance To Pipe=0.000	
K=Branch Length #2	Branch Seam Position=0.000	
L=Angle #2	Throat Cut Back (Degrees)=0.000	
M=Inset #2	Plate Border (Circumference)=0.000	
N=Extension #2	Plate Type=Rectangular	
	Estimated Diameter %age=Not Used	
	Cut Back Allowance (%)=0.000	
	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	
	End Castle Width =0.000	
	End Castle Angle=30.000	
	Branches=Fabricated	

Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None

Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	First Break=0.000	C3=GRC_Swage-Male
D=Right Extension	Second Break=0.000	C4=GRC_Swage-Male
E=Branch Diameter #1	Third Break=0.000	
F=Branch Length #1	Pipe Diameter Type=Nominal	
G=Angle #1	Branch Diameter Type=Nominal	
H=Inset #1	Branch Diameter Type=Nominal	
I=Offset #1	Hole Adjust=0.000	
J=Extension #1	Branch Allowance To Pipe=0.000	
K=Branch Diameter #2	Branch Seam Position=0.000	
L=Branch Length #2	Throat Cut Back (Degrees)=0.000	
M=Angle #2	Plate Border (Circumference)=0.000	
N=Inset #2	Plate Type=Rectangular	
O=Offset #2	Estimated Diameter %age=Not Used	
P=Extension #2	Cut Back Allowance (%)=0.000	
	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	
	End Castle Width =0.000	
	End Castle Angle=30.000	

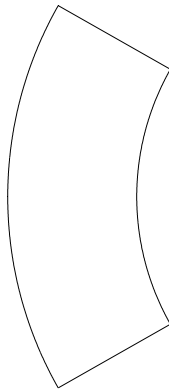
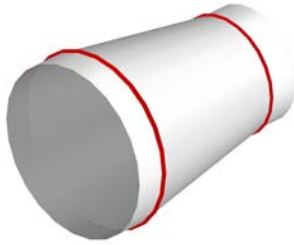
Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 51

Round/Fabrication



Dims	Options	Conn's
A=Diameter In	Diameter Type BE=Nominal	C1=GRC_Swage-Male
B=Diameter Out	Diameter Type SE=Nominal	C2=GRC_Swage-Male
C=Length	Cross Break=1	
D=Left Extension	Length Break=1	
E=Right Extension	Estimated Diameter %age=Not Used	
F=Angle	Seam For Weathering=No	
	Input=Length	
	Length Includes Extensions=No	
	Auto Oversize=Normal	
	Graining Angle=90.000	

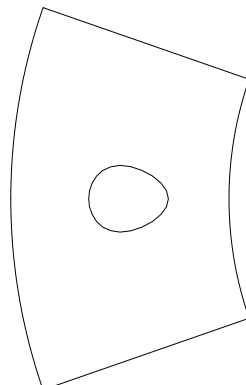
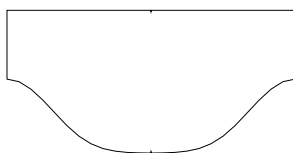
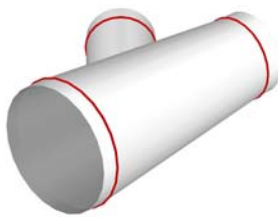
Seams

S1=None

Damper: None
None

Pattern: 52

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Diameter	Branch Parts=1	C2=GRC_Swage-Male
C=Pipe Length	First Break=0.000	C3=GRC_Swage-Male
D=Left Extension	Second Break=0.000	
E=Right Extension	Third Break=0.000	
F=Branch Diameter #1	Seam Position=270.000	
G=Branch Length #1	Diameter Type BE=Nominal	
H=Angle #1	Diameter Type SE=Nominal	
I=Inset #1	Branch Diameter Type=Nominal	
J=Extension #1	Hole Adjust=0.000	
	Branch Allowance To Pipe=0.000	
	Branch Seam Position=0.000	
	Throat Cut Back (Degrees)=0.000	
	Estimated Diameter %age=Not Used	
	Cut Back Allowance (%)=0.000	
	End Castle Width =0.000	
	End Castle Angle=30.000	

Seams

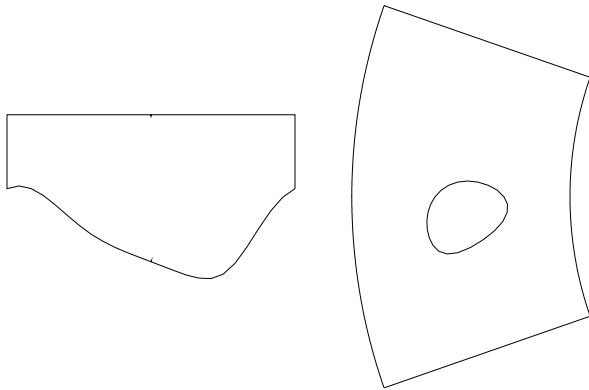
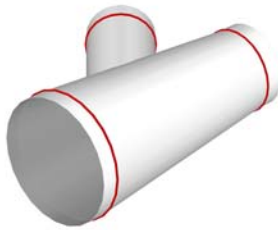
S1=None

S2=None

Damper: None
None
None

Pattern: 53

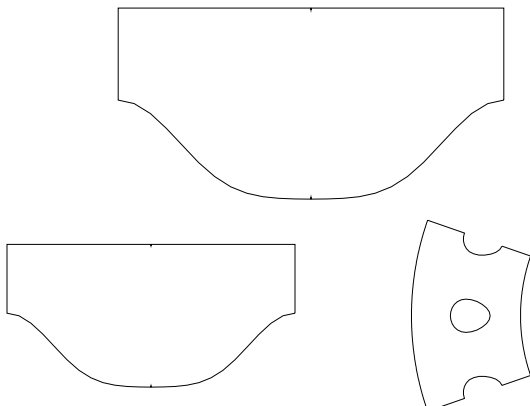
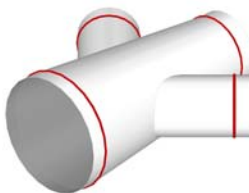
Round/Fabrication



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Diameter	Branch Parts=1	C2=GRC_Swage-Male
C=Pipe Length	First Break=0.000	C3=GRC_Swage-Male
D=Left Extension	Second Break=0.000	
E=Right Extension	Third Break=0.000	
F=Branch Diameter #1	Seam Position=270.000	
G=Branch Length #1	Diameter Type BE=Nominal	
H=Angle #1	Diameter Type SE=Nominal	
I=Inset #1	Branch Diameter Type=Nominal	
J=Offset #1	Hole Adjust=0.000	
K=Extension #1	Branch Allowance To Pipe=0.000	
	Branch Seam Position=0.000	
	Throat Cut Back (Degrees)=0.000	
	Estimated Diameter %age=Not Used	
	Cut Back Allowance (%)=0.000	
	End Castle Width =0.000	
	End Castle Angle=30.000	
		Seams
		S1=None
		S2=None
		Damper: None
		None
		None

Pattern: 54

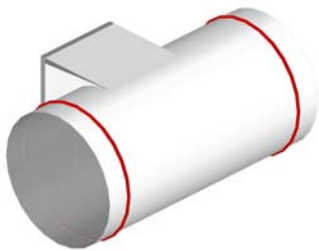
Round/Fabrication



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Diameter	Branch Parts=1	C2=GRC_Swage-Male
C=Pipe Length	First Break=0.000	C3=GRC_Swage-Male
D=Left Extension	Second Break=0.000	C4=GRC_Swage-Male
E=Right Extension	Third Break=0.000	
F=Branch Diameter #1	Seam Position=270.000	
G=Branch Length #1	Diameter Type BE=Nominal	
H=Angle #1	Diameter Type SE=Nominal	
I=Inset #1	Branch Diameter Type=Nominal	
J=Extension #1	Branch Diameter Type=Nominal	
K=Branch Diameter #2	Hole Adjust=0.000	
L=Branch Length #2	Branch Allowance To Pipe=0.000	
M=Angle #2	Branch Seam Position=0.000	
N=Inset #2	Throat Cut Back (Degrees)=0.000	
O=Extension #2	Estimated Diameter %age=Not Used	
	Cut Back Allowance (%)=0.000	
	End Castle Width =0.000	
	End Castle Angle=30.000	
		Seams
		S1=None
		S2=None
		S3=None
		Damper: None
		None
		None
		None

Pattern: 55

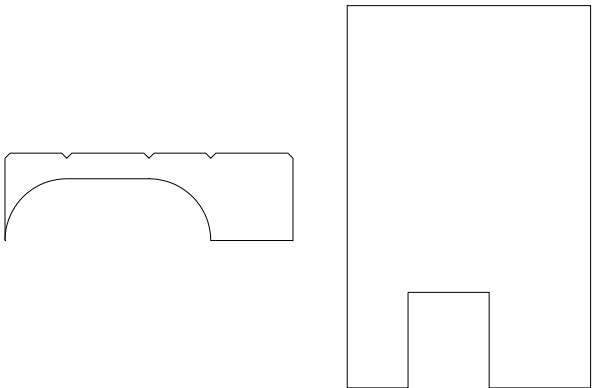
Round/Fabrication



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Round Allowance To Pipe=0.000	C2=GRC_Swage-Male
C=Left Extension	Flat Allowance To Pipe=0.000	C3=S&D
D=Right Extension	Pipe Parts=1	
E=Branch Width	Branch Parts=1	
F=Branch Depth	Pipe Seam Position=0.000	
G=Branch Length	Hole Adjust=0.000	
H=Inset	Plate Border=0.000	
I=Offset	Castle Width=0.000	
	Castle Angle=30.000	
	Plate Border (Width)=Auto	
	Same Seams On Each Part=No	
	Mirror Branch Parts=No	

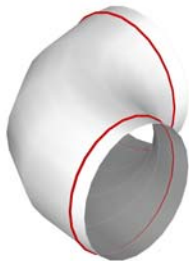
Seams
S1=None
S2=None

Damper:



Pattern: 56

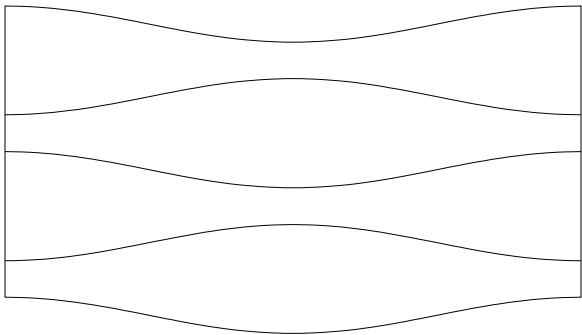
Round



Dims	Options	Conn's
A=Diameter	Number Of Segments=4	C1=GRC_Swage-Male
B=Inner Radius	Seam Position=0.000	C2=GRC_Swage-Male
C=Angle	Cross Break=1	C3=GRC_Swage-Male
D=Bottom Collar	Single Segments=No	
E=Right Collar	Diameter Type=Nominal	

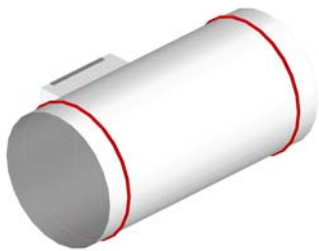
Seams
S1=None

Damper:



Pattern: 57

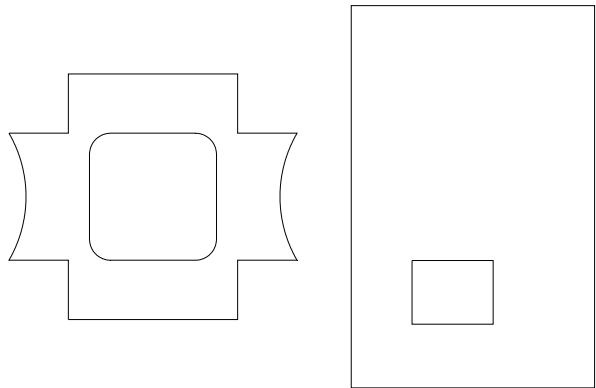
Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Round Allowance To Pipe=0.000	C2=GRC_Swage-Male
C=Left Extension	Flat Allowance To Pipe=0.000	C3=S&D
D=Right Extension	Pipe Parts=1	
E=Branch Width	Pipe Seam Position=0.000	
F=Branch Depth	Hole Adjust=0.000	
G=Branch Length	Plate Border=0.000	
H=Inset	Castle Width=0.000	
I=Hole Width	Castle Angle=30.000	
J=Hole Depth	Plate Border (Width)=Auto	
K=Hole Radius	Fold Notch Depth=0.000	
L=Collar	Develop Branch Collar=No	

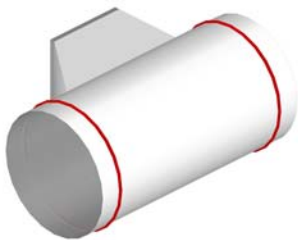
Seams
S1=None
S2=None
S3=None

Damper:



Pattern: 58

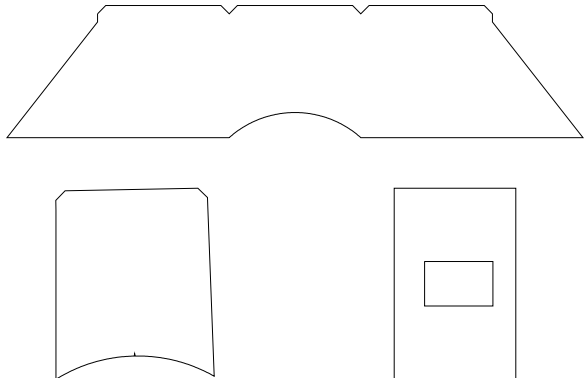
Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Round Allowance To Pipe=0.000	C2=GRC_Swage-Male
C=Left Extension	Flat Allowance To Pipe=0.000	C3=S&D
D=Right Extension	Pipe Parts=1	
E=Branch Width	Branch Parts=2	
F=Branch Depth	First Break=0.000	
G=Branch Length	Second Break=0.000	
H=Inset	Third Break=0.000	
I=Extension	Pipe Seam Position=270.000	
	Hole Adjust=0.000	
	Plate Border=0.000	
	Castle Width=0.000	
	Castle Angle=30.000	
	Plate Border (Width)=Auto	
	Branch Sloping Sides=Central	

Seams
S1=None
S2=None

Damper: None
None
None



Pattern: 59

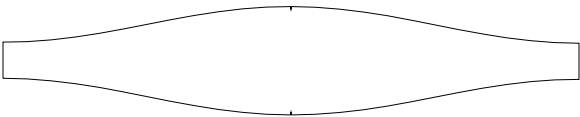
Round

Dims	Options	Conn's
A=Diameter	Cross Break=1	C1=GRC_Swage-Male
B=Centre Diameter	Seam Position=0.000	C2=GRC_Swage-Male
C=Radius	Diameter Type=Nominal	
D=Angle	Diameter=End	



Seams
S1=None

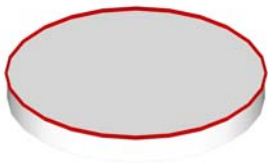
Damper:



Pattern: 60

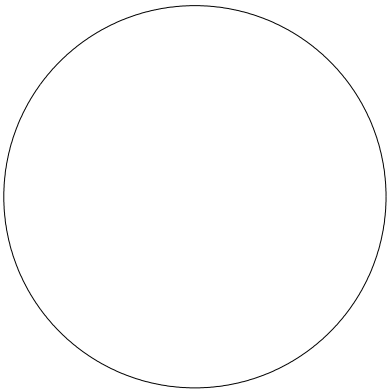
Round

Dims	Options	Conn's
A=Diameter B=Collar	Diameter Type=Nominal	C1=GRC_Swage-Male
	Correct Holes Rotation=No	



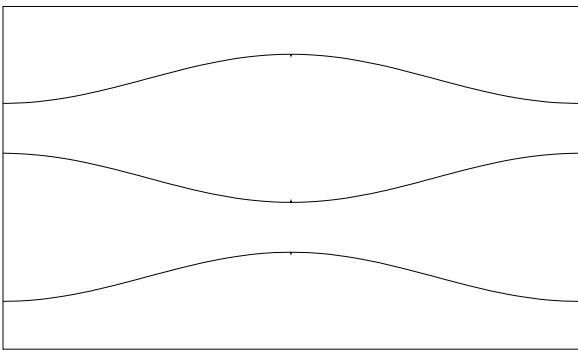
Seams

Damper:



Pattern: 61

Round



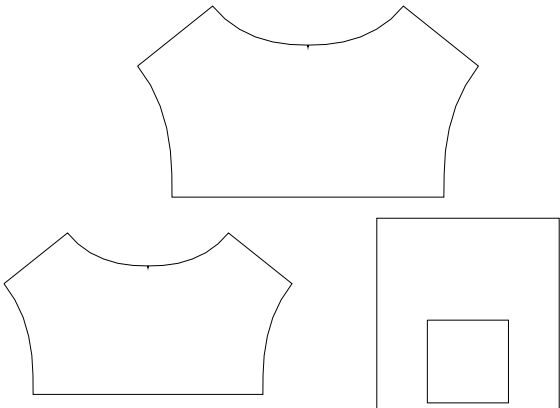
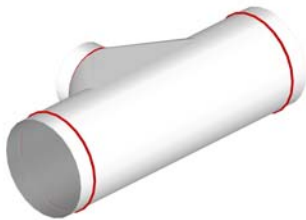
Dims	Options	Conn's
A=Diameter	Number Of Segments=4	C1=GRC_Swage-Male
B=Inner Radius	Seam Position=0.000	C2=GRC_Swage-Male
C=Angle	Cross Break=1	C3=GRC_Swage-Male
D=Bottom Extension	Single Segments=No	
E=Top Extension	Diameter Type=Nominal	
	Automatic Nest Break If Oversize=No	
	Notch Angle For Seam=0	
	Nest Break Start Segment=0	
	Nest Break End Segment=0	
	Marker Type=Notch	
	Diameter Reduction=0.000	
	Marker Depth=Default	
	Mark Sides=No	
	Leg Lengths=No	
	Fixing Holes On Extension=Yes	
	Square Outer Insulation=No	
	Outer Insulation Extensions=No	
	Splitters=0	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Splitter Shape=Angled	
	Splitter Type=Full	
	Item Volume=Segmented	

Seams
S1=None

Damper: None
None

Pattern: 62

Round



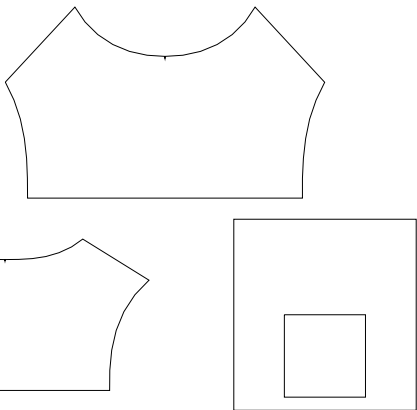
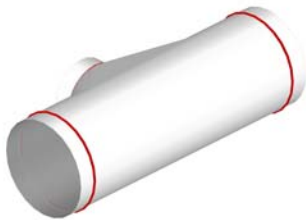
Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Branch Diameter Type=Nominal	C2=GRC_Swage-Male
C=Left Extension	Branch Diameter Type=Nominal	C3=GRC_Swage-Male
D=Right Extension	Hole Adjust=0.000	
E=Branch Diameter	Round Allowance To Pipe=0.000	
F=Branch Length	Flat Allowance To Pipe=0.000	
G=Angle	Seam Position=0.000	
H=Angle	Pipe Parts=1	
I=Inset	Branch Parts=2	
J=Offset	Flat Right=No	
K=Collar	Inlet=1	
	Outlet=2	

Seams
S1=None
S2=None

Damper:

Pattern: 63

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Branch Diameter Type=Nominal	C2=GRC_Swage-Male
C=Left Extension	Branch Diameter Type=Nominal	C3=GRC_Swage-Male
D=Right Extension	Hole Adjust=0.000	
E=Branch Diameter	Round Allowance To Pipe=0.000	
F=Branch Length	Flat Allowance To Pipe=0.000	
G=Angle	Seam Position=0.000	
H=Angle	Pipe Parts=1	
I=Inset	Branch Parts=2	
J=Collar	Flat Right=No	
	Inlet=1	
	Outlet=2	

Seams

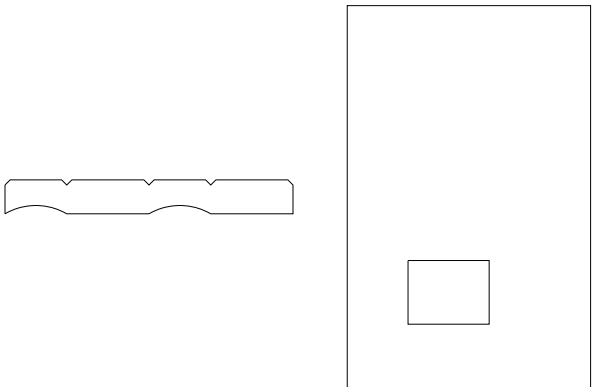
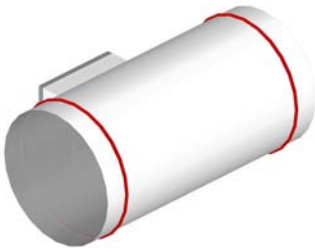
S1=None

S2=None

Damper:

Pattern: 64

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Round Allowance To Pipe=0.000	C2=GRC_Swage-Male
C=Left Extension	Flat Allowance To Pipe=0.000	C3=S&D
D=Right Extension	Pipe Parts=1	
E=Branch Width	Branch Parts=1	
F=Branch Depth	Pipe Seam Position=0.000	
G=Branch Length	Hole Adjust=0.000	
H=Inset	Plate Border=0.000	
I=Extension	Castle Width=0.000	
	Castle Angle=30.000	
	Plate Border (Width)=Auto	

Seams

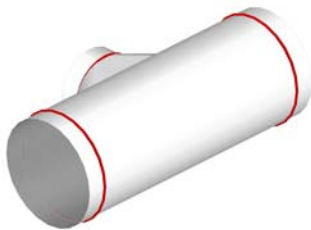
S1=None

S2=None

Damper:

Pattern: 65

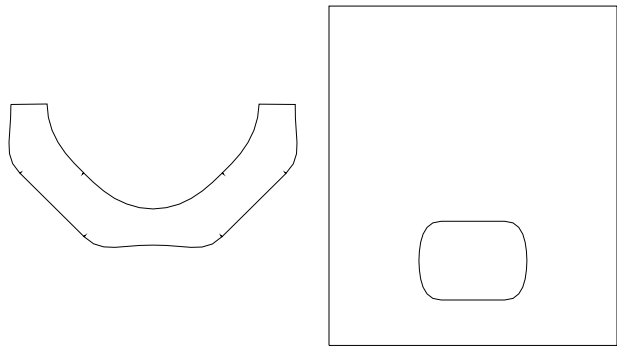
Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	Seam Position=0.000	C3=GRC_Swage-Male
D=Right Extension	Pipe Diameter Type=Nominal	
E=Branch Diameter	Branch Diameter Type=Nominal	
F=Branch Length	Branch Diameter Type=Nominal	
G=Angle	Branch Allowance To Pipe=0.000	
H=Inset	Hole Adjust=0.000	
I=Collar	Plate Border=0.000	
	Plate Type=Rectangular	
	Plate Border (Width)=Auto	

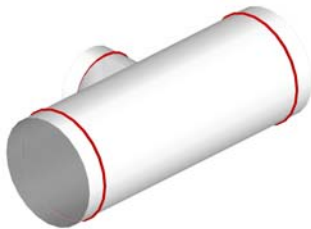
Seams
S1=None
S2=None

Damper: None
None
None



Pattern: 66

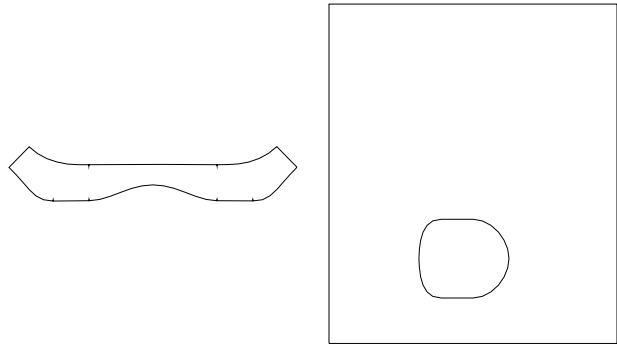
Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	Pipe Seam Position=0.000	C3=GRC_Swage-Male
D=Right Extension	Branch Seam Position=Throat	
E=Branch Diameter	Pipe Diameter Type=Nominal	
F=Branch Length	Branch Diameter Type=Nominal	
G=Angle	Branch Diameter Type=Nominal	
H=Inset	Branch Allowance To Pipe=0.000	
I=Collar	Hole Adjust=0.000	
	Straight Notch=No	
	Plate Border=0.000	
	Plate Type=Rectangular	
	Plate Border (Width)=Auto	
	Inset=Front	

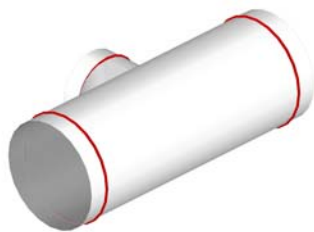
Seams
S1=None
S2=None

Damper: None



Pattern: 67

Round



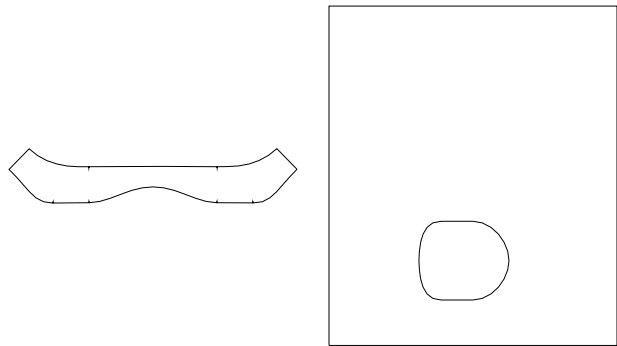
Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	Pipe Seam Position=0.000	C3=GRC_Swage-Male
D=Right Extension	Branch Seam Position=Throat	
E=Branch Diameter	Pipe Diameter Type=Nominal	
F=Branch Length	Branch Diameter Type=Nominal	
G=Angle	Branch Diameter Type=Nominal	
H=Inset	Branch Allowance To Pipe=0.000	
I=Offset	Hole Adjust=0.000	
J=Collar	Straight Notch=No	
	Plate Border=0.000	
	Plate Type=Rectangular	
	Plate Border (Width)=Auto	
	Inset=Front	

Seams

S1=None

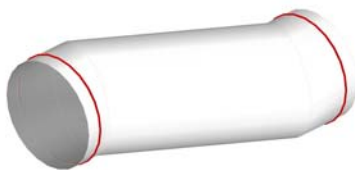
S2=None

Damper: None



Pattern: 68

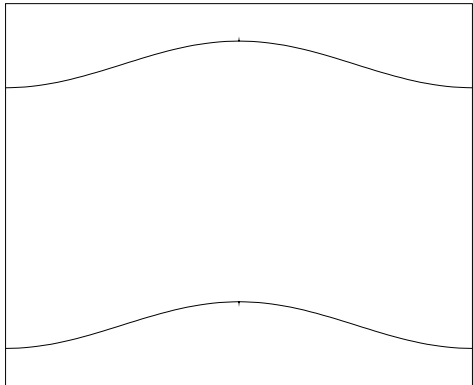
Round



Dims	Options	Conn's
A=Diameter	Seam Position=0.000	C1=GRC_Swage-Male
B=Length	Single Segments=No	C2=GRC_Swage-Male
C=Offset	Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Extension	Cross Break=1	
E=Right Extension	Marker Type=Notch	
F=Left Collar	Seam Position=Angled	
G=Right Collar	Stitch Gap=0.000	
H=Angle	Number Of Stitches=4	
	Seam Cuts=Straight	
	Automatic Nest Break If Oversize=No	

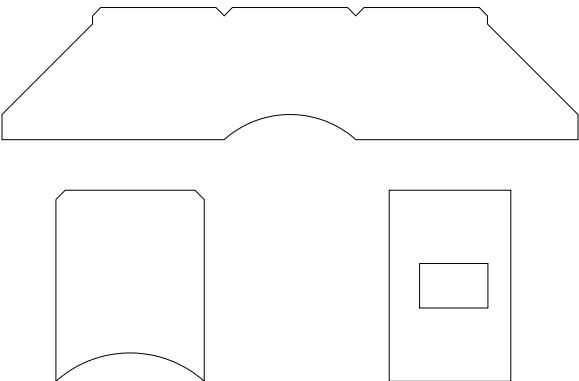
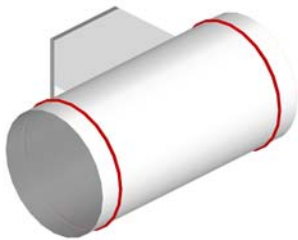
Seams
S1=None

Damper: None
None



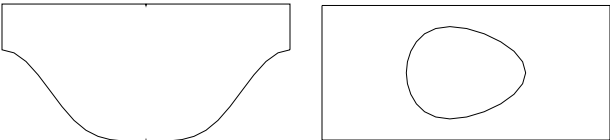
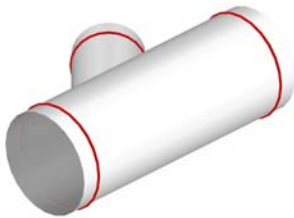
Pattern: 69

Round



Pattern: 70

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Round Allowance To Pipe=0.000	C2=GRC_Swage-Male
C=Left Extension	Flat Allowance To Pipe=0.000	C3=S&D
D=Right Extension	Pipe Parts=1	
E=Branch Width	Branch Parts=2	
F=Branch Depth	First Break=0.000	
G=Branch Length	Second Break=0.000	
H=Inset	Third Break=0.000	
I=Extension	Pipe Seam Position=270.000	
	Hole Adjust=0.000	
	Plate Border=0.000	
	Throat Clearance=0.000	
	Castle Width=0.000	
	Castle Angle=30.000	
	Plate Border (Width)=Auto	

Seams
S1=None
S2=None

Damper: None
None
None

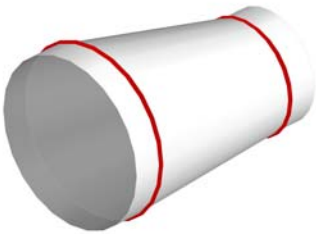
Dims	Options	Conn's
A=Pipe Diameter	Branch Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Pipe Diameter Type=Nominal	C2=GRC_Swage-Male
C=Left Extension	Branch Diameter Type=Nominal	C3=GRC_Swage-Male
D=Right Extension	Hole Adjust=0.000	
E=Branch Diameter #1	Branch Allowance To Pipe=0.000	
F=Branch Length #1	Branch Seam Position=0.000	
G=Angle #1	Throat Cut Back (Degrees)=0.000	
H=Inset #1	Plate Allowance=0.000	
I=Offset #1	Estimated Diameter %age=Not Used	
J=Extension #1	Cut Back Allowance (%)=0.000	
K=Plate Border	Use Pipe Seam For Branches=No	
	End Castle Width =0.000	
	End Castle Angle=30.000	

Seams
S1=None
S2=None

Damper: None
None
None

Pattern: 71

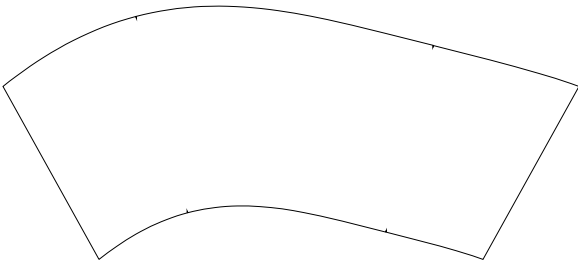
Round



Dims	Options	Conn's
A=Diameter In	Diameter Type BE=Nominal	C1=GRC_Swage-Male
B=Diameter Out	Diameter Type SE=Nominal	C2=GRC_Swage-Male
C=Length	Cross Break=1	
D=Y-Offset	Seam Position=0.000	
E=Left Extension	Length Break=1	
F=Right Extension	Estimated Diameter %age=Not Used	
G=Round Angle	Marker Type=Notch	
	Length Includes Extensions=No	
	Graining Angle=90.000	

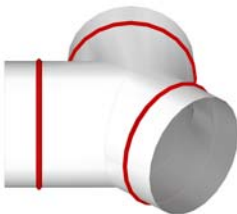
Seams
S1=None

Damper: None
None



Pattern: 72

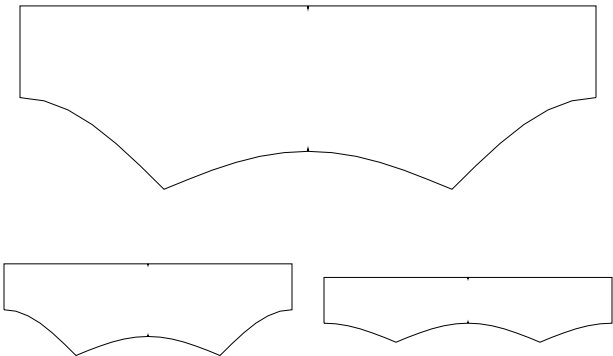
Round/Fabrication



Dims	Options	Conn's
A=Diameter	Diameter Type=Nominal	C1=GRC_Swage-Male
B=Length In	Seam Position=0.000	C2=GRC_Swage-Male
C=Length Out		C3=GRC_Swage-Male
D=Angle		C4=GRC_Swage-Male
E=Bottom Extension		C5=GRC_Swage-Male
F=Left Extension		
G=Right Extension		

Seams
S1=None

Damper:



Pattern: 73

Round

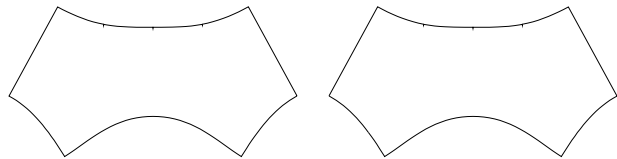


Dims	Options	Conn's
A=Bottom Diameter	Bottom Diameter Type=Nominal	C1=GRC_Swage-Male
B=Left Diameter	Left Diameter Type=Nominal	C2=GRC_Swage-Male
C=Right Diameter	Right Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left End Angle	Seam Position=Top	C4=GRC_Swage-Male
E=Right End Angle	Marker Type=Notch	
F=Left Height		
G=Right Height		
H=Left Offset		
I=Right Offset		
J=Bottom Collar		
K=Left Collar		
L=Right Collar		
M=Left Offset Depth		
N=Right Offset Depth		

Seams

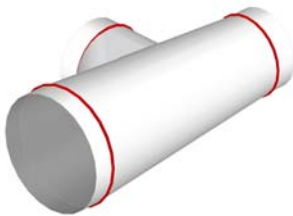
S1=None

Damper:



Pattern: 74

Round



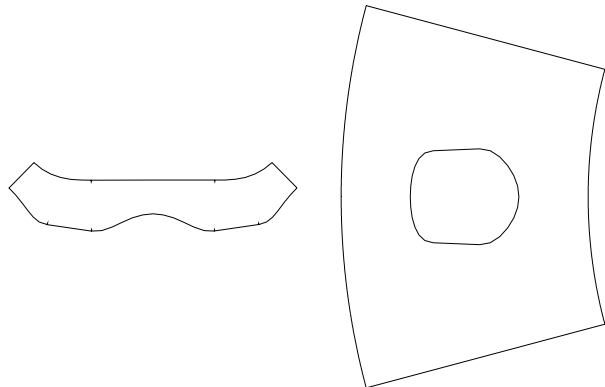
Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Diameter	Branch Parts=1	C2=GRC_Swage-Male
C=Pipe Length	Seam Position=270.000	C3=GRC_Swage-Male
D=Left Collar	Seam Position=Throat	
E=Right Collar	Diameter Type BE=Nominal	
F=Branch Diameter	Diameter Type SE=Nominal	
G=Branch Length	Branch Diameter Type=Nominal	
H=Angle	Hole Adjust=0.000	
I=Inset	Branch Allowance To Pipe=0.000	
J=Collar		

Seams

S1=None

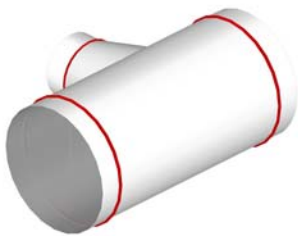
S2=None

Damper: None
None
None



Pattern: 75

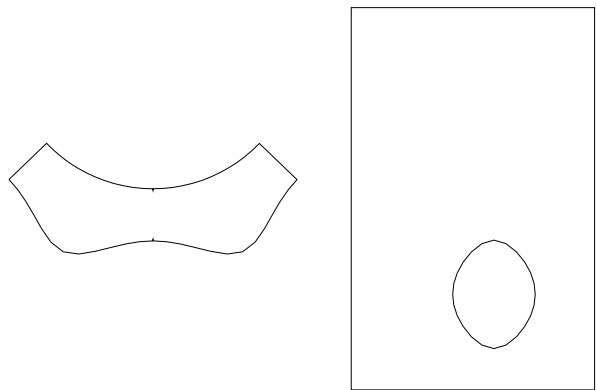
Round/Fabrication



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	Seam Position=0.000	C3=GRC_Swage-Male
D=Right Extension	Pipe Diameter Type=Nominal	
E=Branch Diameter	Branch Diameter Type=Nominal	
F=Branch Length	Hole Adjust=0.000	
G=Angle	Branch Allowance To Pipe=0.000	
H=Inset	Branch Seam Position=0.000	
I=Collar	Plate Border=0.000	
J=Btm Width	Plate Type=Rectangular	
	Input=Angle	
	Plate Border (Width)=Auto	
	Reducer Parts=1	

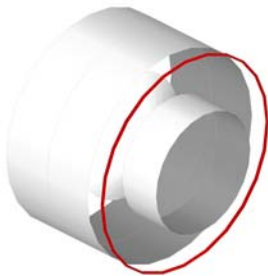
Seams
S1=None
S2=None

Damper: None
None
None



Pattern: 77

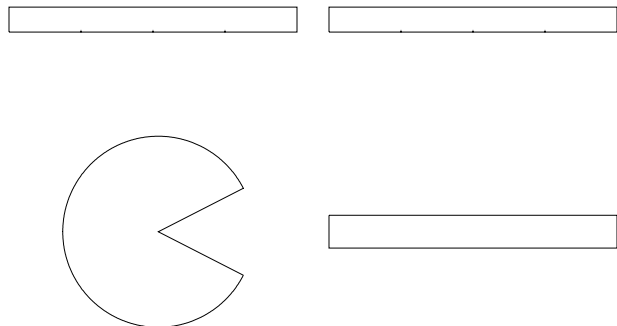
Round



Dims	Options	Conn's
A=Top Diameter	Cross Break=1	C1=GRC_Swage-Male
B=Diameter	Hole Width=0.000	C2=GRC_Swage-Male
C=Bottom Diameter	Hole Length=0.000	C3=GRC_Swage-Male
D=Inner Diameter	Number Of Holes=0	
E=Length	Hole Inset=0.000	
F=Length	Hole Diameter=0.000	
G=Inner Length	Number Of Holes=0	
H=Hole Diameter	Hole Inset=0.000	
I=Pipe Diameter	Hole Diameter=0.000	
J=Pipe Length	Number Of Holes=0	
	Hole Inset=0.000	
	Insertion Point=Default	
	Rotation=Default	

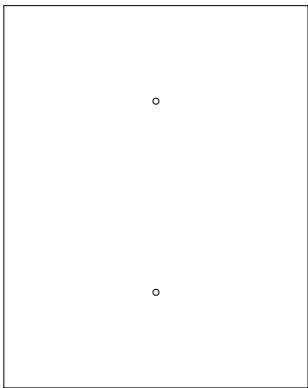
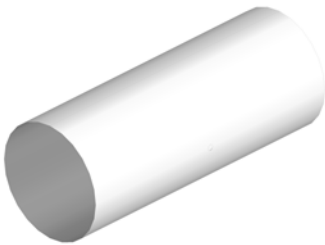
Seams
S1=None

Damper:



Pattern: 78

Round



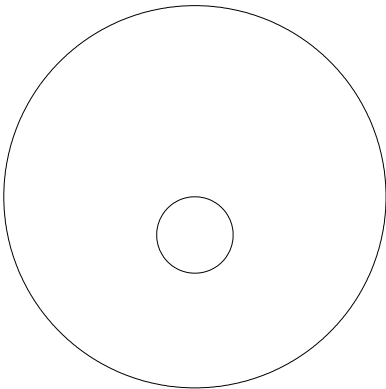
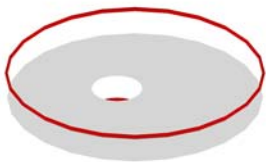
Dims	Options	Conn's
A=Diameter	Seam Position=0.000	C1=GRC_Swage-Fe...
B=Length	Diameter Type=Nominal	C2=GRC_Swage-Fe...
C=Top Hole Length	Hole=Both	
D=Top Hole Width	Pipe Parts=1	
E=Bottom Hole Length	First Break=0.000	
F=Bottom Hole Width	Second Break=0.000	
	Third Break=0.000	

Seams
S1=Spiral Straight

Damper: None
None

Pattern: 79

Round



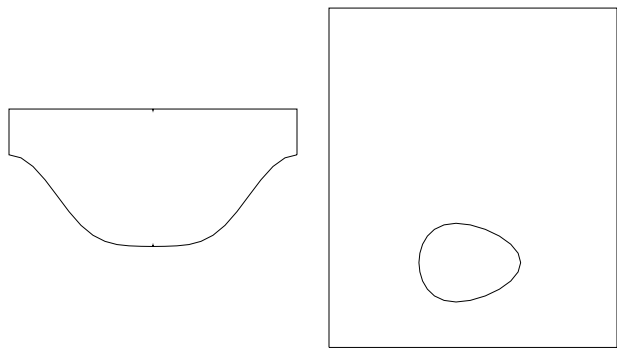
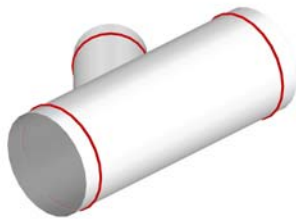
Dims	Options	Conn's
A=Diameter B=Offset		C1=GRC_Swage-Male
C=Diameter D=Collar		C2=GRC_Swage-Male

Seams

Damper:

Pattern: 80

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	First Break=0.000	C3=GRC_Swage-Male
D=Right Extension	Second Break=0.000	
E=Branch Diameter #1	Third Break=0.000	
F=Branch Length #1	Seam Position=0.000	
G=Angle #1	Pipe Diameter Type=Nominal	
H=Inset #1	Branch Diameter Type=Nominal	
I=Offset #1	Hole Adjust=0.000	
J=Extension #1	Branch Allowance To Pipe=0.000	
	Branch Seam Position=0.000	
	Throat Cut Back (Degrees)=0.000	
	Plate Border (Circumference)=0.000	
	Plate Type=Rectangular	
	Estimated Diameter %age=Not Used	
	Cut Back Allowance (%)=0.000	
	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	
	Hole Width Adjust=0.000	
	Hole Depth Adjust=0.000	
	End Castle Width =0.000	
	End Castle Angle=30.000	

Seams

S1=None

S2=None

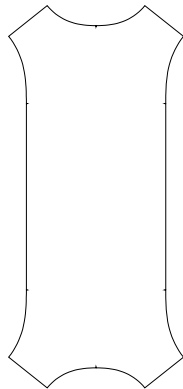
Damper: None

None

None

Pattern: 81

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Left Extension	Branch Diameter Type=Nominal	C2=GRC_Swage-Male
C=Right Extension	Branch Diameter Type=Nominal	C3=GRC_Swage-Male
D=Branch Diameter	Hole Adjust=0.000	
E=Branch Length	Round Allowance To Pipe=0.000	
F=Angle	Flat Allowance To Pipe=0.000	
G=Angle	Seam Position=0.000	
H=Collar	Pipe Parts=1	
	Branch Parts=2	
	Connector Fold Notch=Full Allowance	
	Inlet=1	
	Outlet=2	

Seams

S1=None

S2=None

Damper:

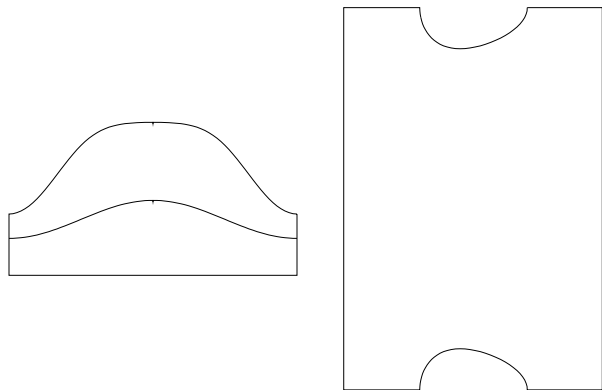
Pattern: 82

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	First Break=0.000	C3=GRC_Swage-Male
D=Right Extension	Second Break=0.000	C4=GRC_Swage-Male
E=Branch Diameter	Third Break=0.000	
F=Branch Length	Pipe Diameter Type=Nominal	
G=Angle	Branch Diameter Type=Nominal	
H=Inset	Hole Adjust=0.000	
I=Offset	Branch Allowance To Pipe=0.000	
J=Extension	Throat Cut Back (Degrees)=0.000	
K=Collar	Reducer Parts=1	
	Branch Inset=Front	
		Seams
		S1=None
		S2=None

Damper:

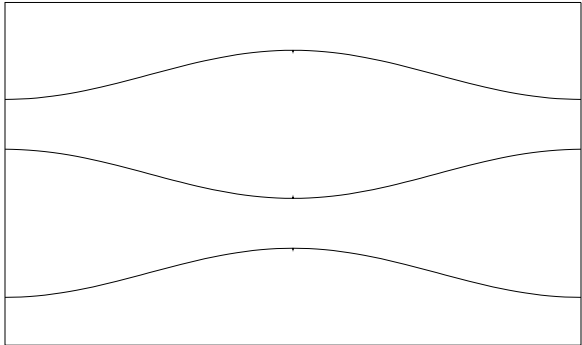


Pattern: 83

Round/Fabrication



Dims	Options	Conn's
A=Diameter	Number Of Segments=4	C1=GRC_Swage-Male
B=Inner Radius	Seam Position=0.000	C2=GRC_Swage-Male
C=Angle	Cross Break=1	C3=GRC_Swage-Male
D=Bottom Extension	Diameter Type=Nominal	
E=Top Extension	Automatic Nest Break If Oversize=No	
	Notch Angle For Seam=0	
	Stitch Gap=0.000	
	Number Of Stitches=4	
	Quantity=1	
	Nest Break Start Segment=0	
	Nest Break End Segment=0	
	Marker Type=Notch	
	Diameter Reduction=0.000	
	Marker Depth=Default	
	Mark Sides=No	
	Leg Lengths=No	
	Fixing Holes On Extension=Yes	
	Square Outer Insulation=No	
	Outer Insulation Extensions=No	
	Splitters=0	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Splitter Shape=Angled	
	Splitter Type=Partial	
	Item Volume=Segmented	
		Seams
		S1=None
		Damper: None
		None



Pattern: 85

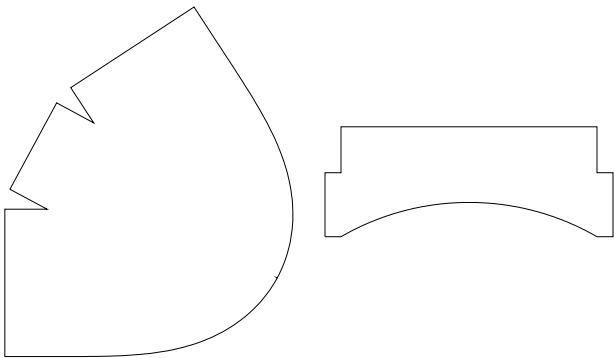
Rectangular/Round

Dims		Options	Conn's
A=Width	B=Depth	Diameter Type=Nominal	C1=TDC
C=Diameter	D=Extension	Top Offset=0.000	C2=GRC_Swage-Male
E=Collar			



Seams
S1=PITTS-S

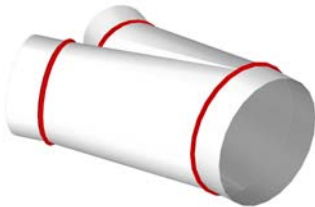
Damper:



Pattern: 86

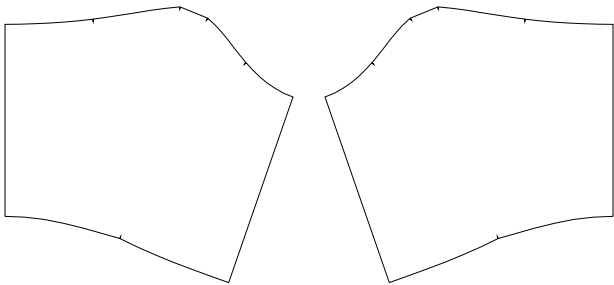
Round

Dims		Options	Conn's
A=Bottom Diameter		Add Collars To Body=No	C1=GRC_Swage-Male
B=Left Diameter		Flat Left=No	C2=GRC_Swage-Male
C=Right Diameter		Notch Angle For Seam=0.000	C3=GRC_Swage-Male
D=Height		Slope Angle=0.000	
E=Length			
F=Left Angle			
G=Right Angle			
H=Bottom Collar			
I=Left Collar			
J=Right Collar			



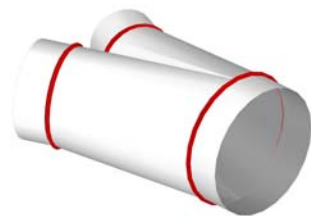
Seams
S1=None
S2=None

Damper:



Pattern: 87

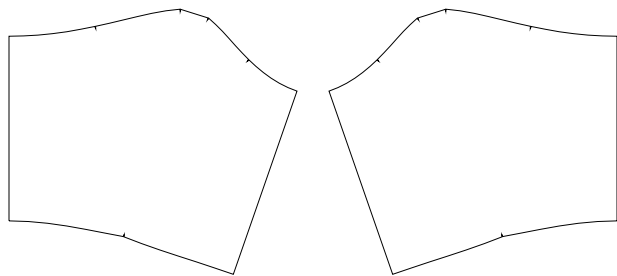
Round



Dims	Options	Conn's
A=Bottom Diameter	Add Collars To Body=No	C1=GRC_Swage-Male
B=Left Diameter	Flat Left=No	C2=GRC_Swage-Male
C=Right Diameter	Notch Angle For Seam=0.000	C3=GRC_Swage-Male
D=Height	Slope Angle=0.000	
E=Length		
F=Left Angle		
G=Right Angle		
H=Bottom Collar		
I=Left Collar		
J=Right Collar		

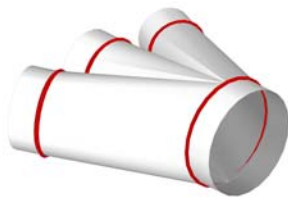
Seams
S1=None
S2=None

Damper:



Pattern: 88

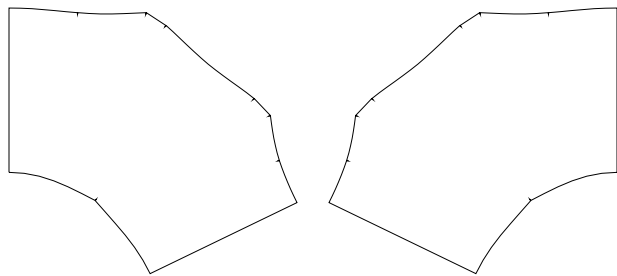
Round



Dims	Options	Conn's
A=Bottom Diameter	Add Collars To Body=No	C1=GRC_Swage-Male
B=Left Diameter	Flat Left=No	C2=GRC_Swage-Male
C=Right Diameter	Notch Angle For Seam=0.000	C3=GRC_Swage-Male
D=Diameter	Slope Angle=0.000	C4=GRC_Swage-Male
E=Height		
F=Length		
G=Left Angle		
H=Right Angle		
I=Bottom Collar		
J=Left Collar		
K=Right Collar		
L=Collar		

Seams
S1=None
S2=None

Damper:



Pattern: 89

Round

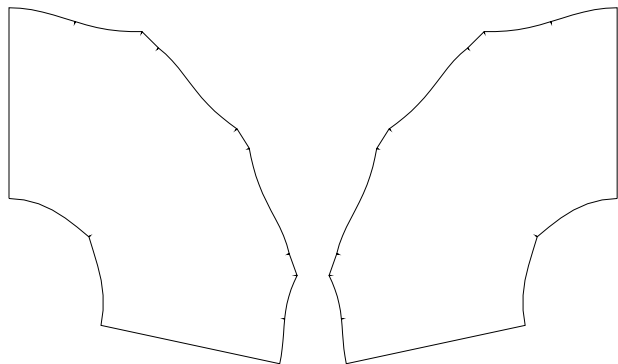


Dims	Options	Conn's
A=Bottom Diameter	Add Collars To Body=No	C1=GRC_Swage-Male
B=Left Diameter	Flat Left=No	C2=GRC_Swage-Male
C=Right Diameter	Notch Angle For Seam=0.000	C3=GRC_Swage-Male
D=Diameter	Slope Angle=0.000	C4=GRC_Swage-Male
E=Diameter		C5=GRC_Swage-Male
F=Height		
G=Length		
H=Left Angle		
I=Right Angle		
J=Bottom Collar		
K=Left Collar		
L=Right Collar		
M=Collar		
N=Collar		

Seams

S1=None

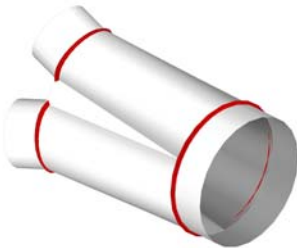
S2=None



Damper:

Pattern: 90

Round



Dims	Options	Conn's
A=Bottom Diameter		C1=GRC_Swage-Male
B=Top Diameter #2		C2=GRC_Swage-Male
C=Top Diameter #3		C3=GRC_Swage-Male
D=Top Diameter #4		C4=GRC_Swage-Male
E=Height		
F=Length		
G=Angle #2		
H=Angle #3		
I=Angle #4		
J=Bottom Collar		
K=Collar #2		
L=Collar #3		
M=Collar #4		

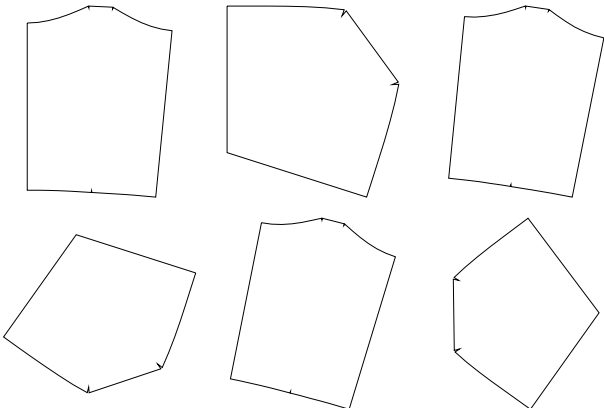
Seams

S1=None

S2=None

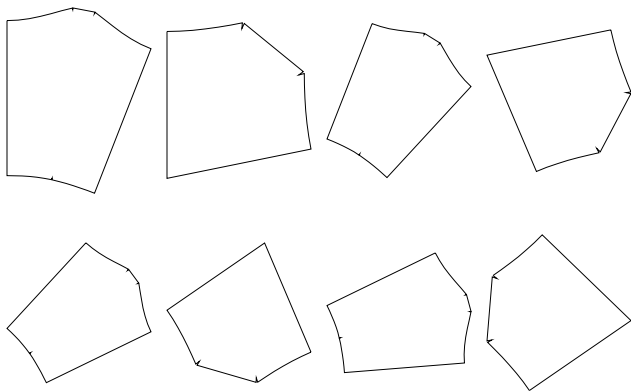
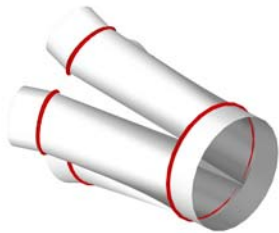
S3=None

Damper:



Pattern: 91

Round



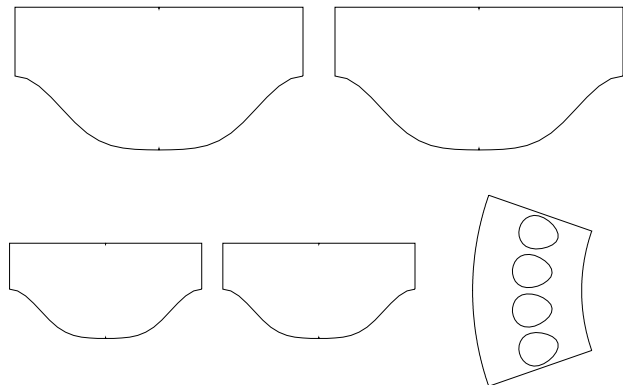
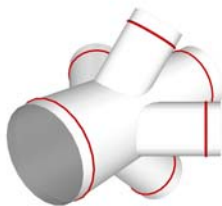
Dims	Options	Conn's
A=Bottom Diameter		C1=GRC_Swage-Male
B=Top Diameter #2		C2=GRC_Swage-Male
C=Top Diameter #3		C3=GRC_Swage-Male
D=Top Diameter #4		C4=GRC_Swage-Male
E=Top Diameter #5		C5=GRC_Swage-Male
F=Height		
G=Length		
H=Angle #2		
I=Angle #3		
J=Angle #4		
K=Angle #5		
L=Bottom Collar		
M=Collar #2		
N=Collar #3		
O=Collar #4		
P=Collar #5		

Seams
S1=None
S2=None
S3=None

Damper:

Pattern: 92

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Diameter	Branch Parts=1	C2=GRC_Swage-Male
C=Pipe Length	First Break=0.000	C3=GRC_Swage-Male
D=Left Extension	Second Break=0.000	C4=GRC_Swage-Male
E=Right Extension	Third Break=0.000	C5=GRC_Swage-Male
F=Branch Diameter #1	Seam Position=45.000	C6=GRC_Swage-Male
G=Branch Length #1	Diameter Type BE=Nominal	
H=Angle #1	Diameter Type SE=Nominal	
I=Inset #1	Branch Diameter Type=Nominal	
J=Rotation #1	Branch Diameter Type=Nominal	
K=Extension #1	Branch Diameter Type=Nominal	
L=Branch Diameter #2	Branch Diameter Type=Nominal	
M=Branch Length #2	Hole Adjust=0.000	
N=Angle #2	Branch Allowance To Pipe=0.000	
O=Inset #2	Branch Seam Position=0.000	
P=Rotation #2	Throat Cut Back (Degrees)=0.000	
Q=Extension #2	Estimated Diameter %age=Not Used	
R=Branch Diameter #3	Cut Back Allowance (%)=0.000	
S=Branch Length #3	End Castle Width =0.000	
T=Angle #3	End Castle Angle=30.000	
U=Inset #3		
V=Rotation #3		
W=Extension #3		
X=Branch Diameter #4		
Y=Branch Length #4		
Z=Angle #4		
a=Inset #4		
b=Rotation #4		
c=Extension #4		

Seams
S1=None
S2=None
S3=None
S4=None
S5=None
Damper: None
None
None
None
None

Pattern: 93

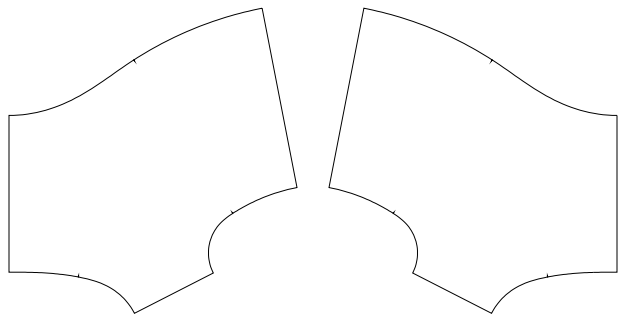
Round



Dims	Options	Conn's
A=Bottom Diameter	Bottom Diameter Type=Nominal	C1=GRC_Swage-Male
B=Top Diameter	Left Diameter Type=Nominal	C2=GRC_Swage-Male
C=Branch Diameter	Right Diameter Type=Nominal	C3=GRC_Swage-Male
D=Angle	2 Parts=Yes	
E=Right Offset		
F=Height		
G=Bottom Collar		
H=Top Collar		
I=Branch Collar		

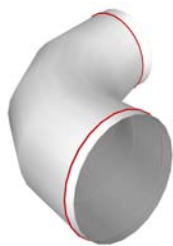
Seams
S1=None

Damper:



Pattern: 95

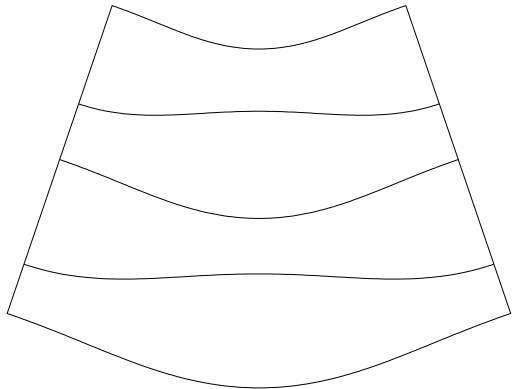
Round



Dims	Options	Conn's
A=Bottom Diameter	Number Of Segments=4	C1=GRC_Swage-Male
B=Top Diameter	Seam Position=0.000	C2=GRC_Swage-Male
C=Centre Radius	Cross Break=1	C3=GRC_Swage-Male
D=Angle	Single Segments=No	
E=Bottom Collar	Diameter Type=Nominal	
F=Right Collar		

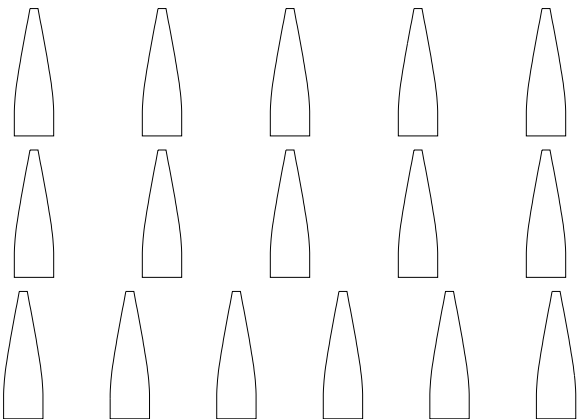
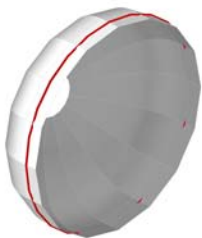
Seams
S1=None

Damper:



Pattern: 96

Round



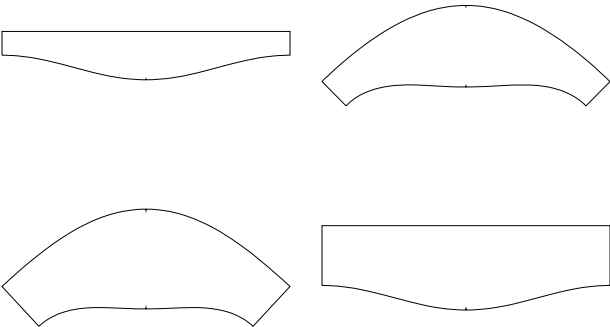
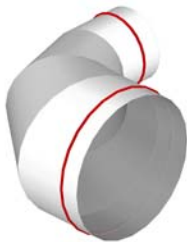
Dims	Options	Conn's
A=Bottom Diameter	Number Of Segments=16	C1=GRC_Swage-Male
B=Top Diameter	Parts To Cut=16	
C=Height	Input=Height	
D=Top Radius	Bottom Diameter Type=Nominal	
E=Bottom Radius	Top Diameter Type=Nominal	
F=Bottom Extension	Top Diameter=Slice	
G=Collar	Fixing Holes=2	
H=Branch Diameter	Fixing Hole Diameter=None	
I=Branch Length	Hole Inset=25.000	
J=Offset	Branch Parts=1	
	Branch Seam Position=0.000	
	Turnover Allowance=0.000	
	Template=No	
	Hole Spacing=0.000	
	Hole Spacing (Shoulder)=0.000	
	Bottom Extension Parts=0	
	Turnover Allowance=0.000	
	Slit=No	

Seams
S1=None

Damper:

Pattern: 97

Round



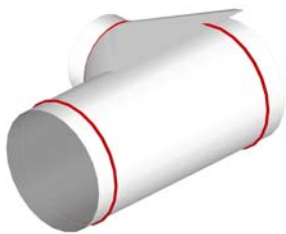
Dims	Options	Conn's
A=Bottom Diameter	Number Of Segments=4	C1=GRC_Swage-Male
B=Top Diameter	Seam Position=0.000	C2=GRC_Swage-Male
C=Centre Radius	Cross Break=1	C3=GRC_Swage-Male
D=Angle	Bottom Diameter Type=Nominal	
E=Bottom Extension	Marker Type=Notch	
F=Top Extension	Top Diameter Type=Nominal	
	Marker Depth=Default	
	Mark Sides=No	
	Leg Lengths=No	
	Square Outer Insulation=No	
	Outer Insulation Extensions=No	
	Splitters=0	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Splitter Shape=Angled	
	Splitter Type=Partial	
	Item Volume=Segmented	

Seams
S1=None

Damper: None
None

Pattern: 98

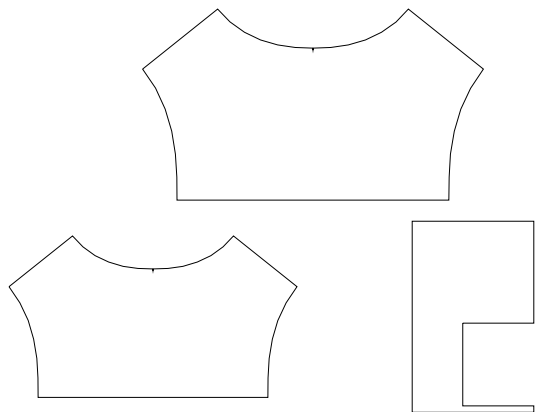
Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Branch Diameter Type=Nominal	C2=GRC_Swage-Male
C=Left Extension	Branch Diameter Type=Nominal	C3=GRC_Swage-Male
D=Right Extension	Hole Adjust=0.000	
E=Branch Diameter	Round Allowance To Pipe=0.000	
F=Branch Length	Flat Allowance To Pipe=0.000	
G=Angle	Seam Position=0.000	
H=Angle	Pipe Parts=1	
I=Inset	Branch Parts=2	
J=Collar	Flat Right=No	
	Inlet=1	
	Outlet=2	

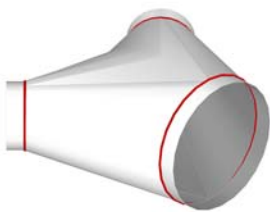
Seams
S1=None
S2=None

Damper:



Pattern: 99

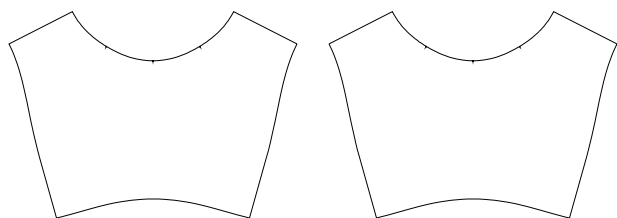
Round



Dims	Options	Conn's
A=Bottom Diameter	Bottom Diameter Type=Nominal	C1=GRC_Swage-Male
B=Left Diameter	Left Diameter Type=Nominal	C2=GRC_Swage-Male
C=Right Diameter	Right Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Angle	Seam Position=Top	C4=GRC_Swage-Male
E=Right Angle	Marker Type=Notch	
F=Bottom Collar		
G=Left Collar		
H=Right Collar		

Seams
S1=None

Damper:



Pattern: 100

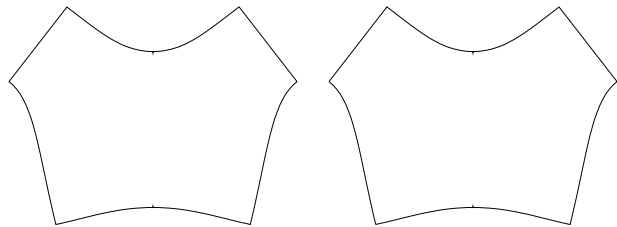
Round



Dims	Options	Conn's
A=Bottom Diameter	Bottom Diameter Type=Nominal	C1=GRC_Swage-Male
B=Left Diameter	Left Diameter Type=Nominal	C2=GRC_Swage-Male
C=Right Diameter	Right Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Angle	Seam Position=Top	C4=GRC_Swage-Male
E=Right Angle	Marker Type=Notch	
F=Left Length		
G=Right Length		
H=Height		
I=Bottom Collar		
J=Left Collar		
K=Right Collar		

Seams
S1=None

Damper:



Pattern: 101

Flat Oval



Dims	Options	Conn's
A=Width	Pipe Parts=1	C1=Raw
B=Depth	Seam Position=Corner	C2=Raw
C=Length	Diameter Type=Nominal	
D=Left Extension	Duct Length=(inch)	
E=Right Extension		

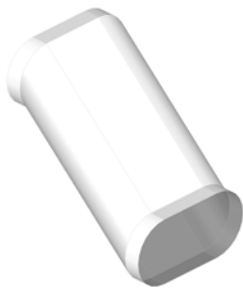
Seams
S1=1/2 Lap (F)

Damper:



Pattern: 102

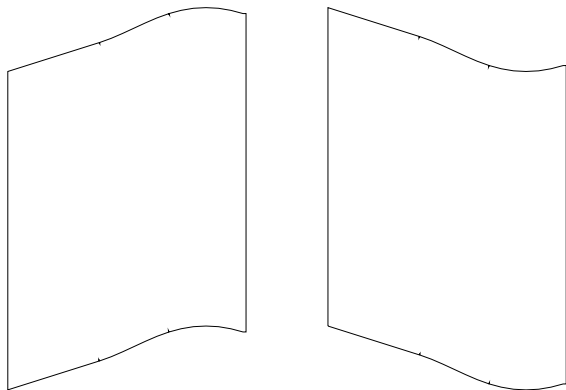
Flat Oval



Dims	Options	Conn's
A=Major Axis	Diameter Type BE=Nominal	C1=SE Oval
B=Minor Axis	Diameter Type SE=Nominal	C2=SE Oval
C=Major Axis	Same Seams On Each Part=No	
D=Minor Axis		
E=Length		
F=Offset Width		
G=Offset Depth		
H=Collar		
I=Collar		

Seams
S1=1/2 Lap (F)

Damper:



Pattern: 103

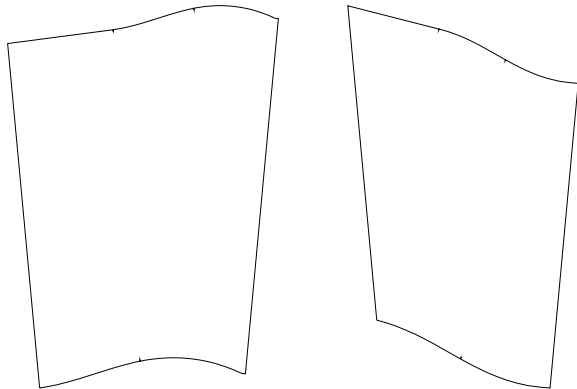
Round/Flat Oval



Dims	Options	Conn's
A=Width	Cross Break=2	C1=SE Oval
B=Depth	Diameter Type BE=Nominal	C2=GRC_Swage-Male
C=Diameter	Diameter Type SE=Nominal	
D=Length	Seam Position=Corner	
E=Offset Width	Inlet=1	
F=Offset Depth	Outlet=2	
G=Oval Collar	Same Seams On Each Part=No	
H=Round Collar		

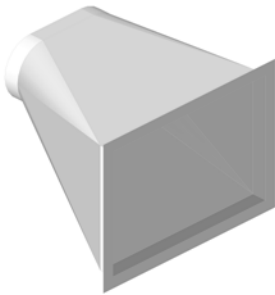
Seams
S1=1/2 Lap (F)

Damper:



Pattern: 104

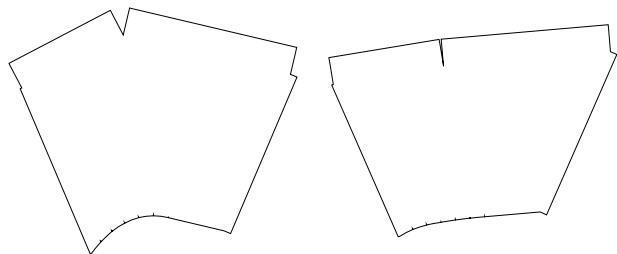
Rectangular/Flat Oval



Dims	Options	Conn's
A=Width	Cross Break=2	C1=TDC
B=Depth	Diameter Type=Nominal	C2=SE Oval
C=Oval Width	Marker Type=Notch	
D=Oval Depth	Offset Width=Left In	
E=Length	Offset Depth=Bottom Up	
F=Offset Width	Seam Position=Corner	
G=Offset Depth	Inlet=1	
H=Rect Extension	Outlet=2	
I=Collar	Same Seams On Each Part=No	

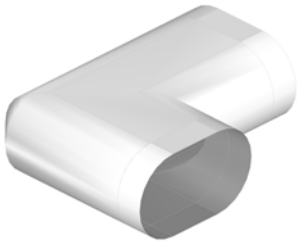
Seams
S1=PIITS-S

Damper:



Pattern: 105

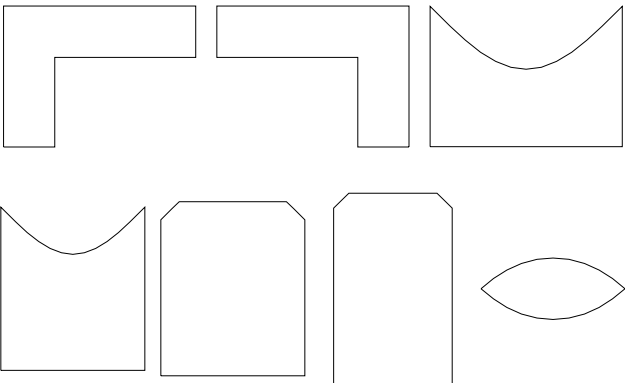
Flat Oval



Dims	Options	Conn's
A=Width	Diameter Type=Nominal	C1=SE Oval
B=Depth	Splitters=0	C2=SE Oval
C=Corner Radius	Splitter Radius=Auto	C3=SE Oval
D=Bottom Extension	Splitter Adjust=0.000	
E=Right Extension	Inlet=2	
F=Bottom Collar	Outlet=3	
G=Right Collar		

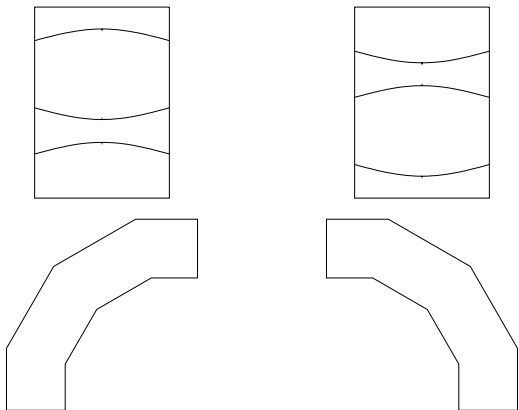
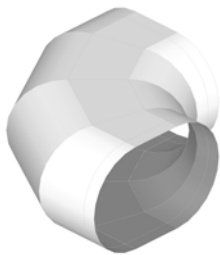
Seams
S1=1/2 Lap (F)

Damper:



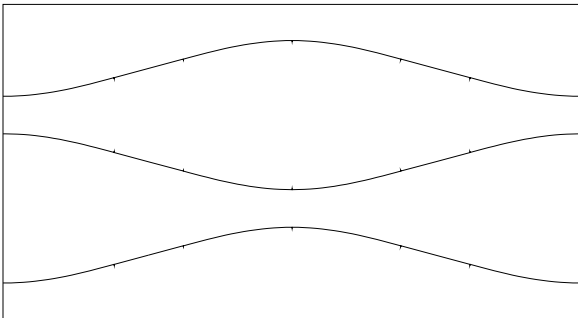
Pattern: 106

Flat Oval



Pattern: 107

Flat Oval



Dims	Options	Conn's
A=Width	Number Of Segments=4	C1=SE Oval
B=Depth	Diameter Type=Nominal	C2=SE Oval
C=Inner Radius	Nest Break Start Segment=0	C3=SE Oval
D=Angle	Nest Break End Segment=0	
E=Bottom Extension	Notch Angle For Seam=0	
F=Top Extension	Leg Lengths=No	
	Length Includes Extensions=No	
	Splitters=0	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Splitter Shape=Angled	
	Splitter Type=Full	
		Seams
		S1=1/2 Lap (F)
		S2=1/2 Lap (F)

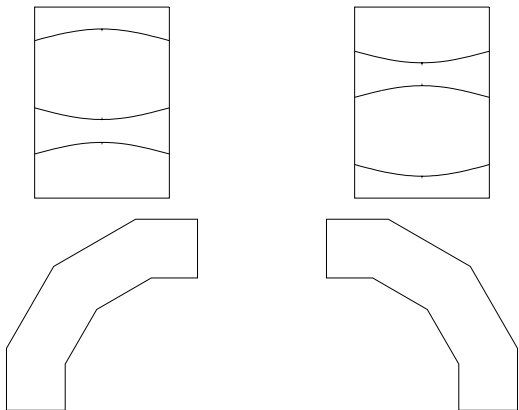
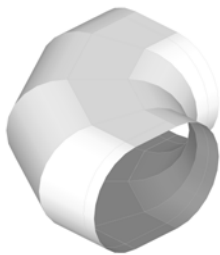
Damper:

Dims	Options	Conn's
A=Width	Number Of Segments=4	C1=SE Oval
B=Depth	Diameter Type=Nominal	C2=SE Oval
C=Inner Radius	Seam Position=Throat	C3=SE Oval
D=Angle	Single Segments=No	
E=Bottom Extension	Nest Break Start Segment=0	
F=Top Extension	Nest Break End Segment=0	
	Cross Break=1	
	Notch Angle For Seam=0	
	Leg Lengths=No	
	Length Includes Extensions=No	
	Splitters=0	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Splitter Shape=Angled	
	Splitter Type=Full	
	Automatic Nest Break If Oversize=No	
		Seams
		S1=1/2 Lap (F)
		S2=1/2 Lap (F)

Damper:

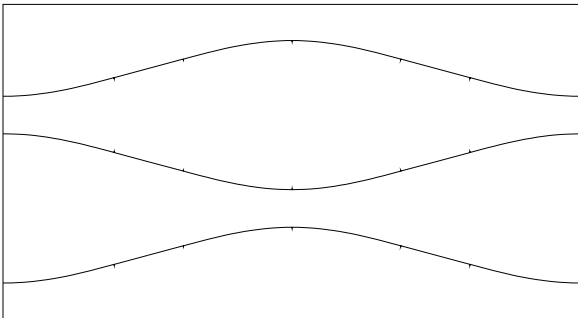
Pattern: 108

Flat Oval



Pattern: 109

Flat Oval



Dims	Options	Conn's
A=Width	Number Of Segments=4	C1=SE Oval
B=Depth	Diameter Type=Nominal	C2=SE Oval
C=Inner Radius	Nest Break Start Segment=0	C3=SE Oval
D=Angle	Nest Break End Segment=0	
E=Bottom Extension	Notch Angle For Seam=0	
F=Top Extension	Leg Lengths=No	
	Length Includes Extensions=No	
	Splitters=0	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Splitter Shape=Angled	
	Splitter Type=Partial	
Seams		
S1=1/2 Lap (F)		
S2=1/2 Lap (F)		

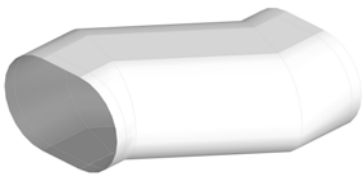
Damper:

Dims	Options	Conn's
A=Width	Number Of Segments=4	C1=SE Oval
B=Depth	Diameter Type=Nominal	C2=SE Oval
C=Inner Radius	Seam Position=Throat	C3=SE Oval
D=Angle	Single Segments=No	
E=Bottom Extension	Nest Break Start Segment=0	
F=Top Extension	Nest Break End Segment=0	
	Cross Break=1	
	Notch Angle For Seam=0	
	Leg Lengths=No	
	Length Includes Extensions=No	
	Splitters=0	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Splitter Shape=Angled	
	Splitter Type=Partial	
Seams		
S1=1/2 Lap (F)		
S2=1/2 Lap (F)		

Damper:

Pattern: 110

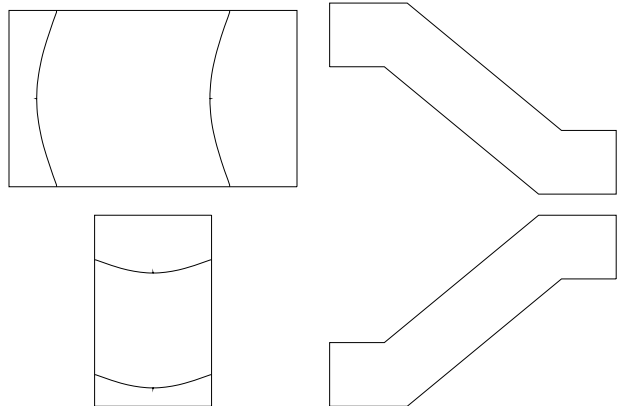
Flat Oval



Dims	Options	Conn's
A=Width	Diameter Type=Nominal	C1=SE Oval
B=Depth		C2=SE Oval
C=Length		C3=SE Oval
D=Offset Width		
E=Left Extension		
F=Right Extension		
G=Left Collar		
H=Right Collar		
I=Offset Depth		

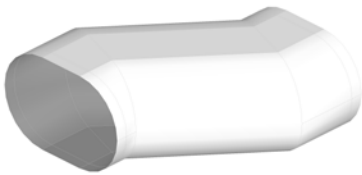
Seams
S1=1/2 Lap (F)

Damper:



Pattern: 111

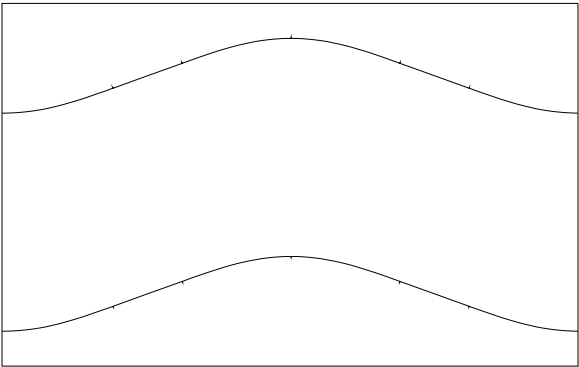
Flat Oval



Dims	Options	Conn's
A=Width	Seam Position=Bottom	C1=SE Oval
B=Depth	Single Segments=No	C2=SE Oval
C=Length	Diameter Type=Nominal	C3=SE Oval
D=Offset Width	Cross Break=1	
E=Left Extension	Automatic Nest Break If Oversize=No	
F=Right Extension		
G=Left Collar		
H=Right Collar		
I=Offset Depth		

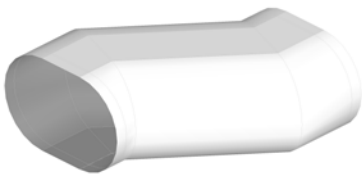
Seams
S1=1/2 Lap (F)

Damper:



Pattern: 112

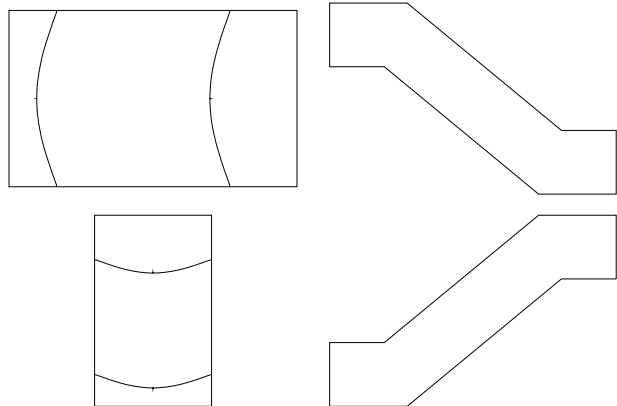
Flat Oval



Dims	Options	Conn's
A=Width	Diameter Type=Nominal	C1=SE Oval
B=Depth	Marker Notches On Easy Flats=No	C2=SE Oval
C=Length	Vee Notch Depth=Auto	C3=SE Oval
D=Offset Width	Vee Notch Angle=Auto	
E=Left Extension		
F=Right Extension		
G=Left Collar		
H=Right Collar		
I=Offset Depth		

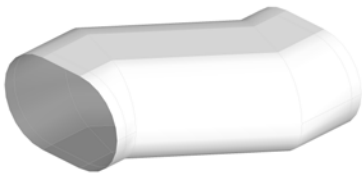
Seams
S1=1/2 Lap (F)

Damper:



Pattern: 113

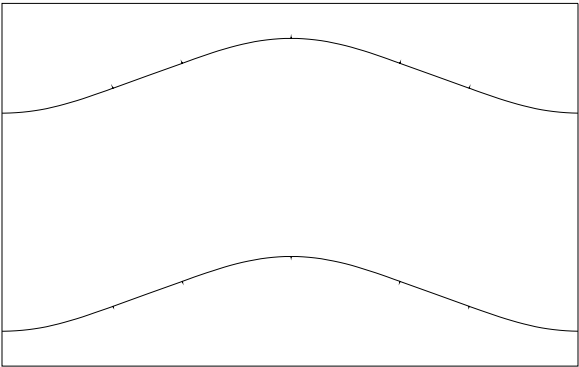
Flat Oval



Dims	Options	Conn's
A=Width	Seam Position=Bottom	C1=SE Oval
B=Depth	Single Segments=No	C2=SE Oval
C=Length	Diameter Type=Nominal	C3=SE Oval
D=Offset Width	Cross Break=1	
E=Left Extension		
F=Right Extension		
G=Left Collar		
H=Right Collar		
I=Offset Depth		

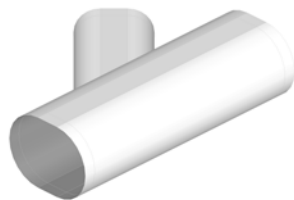
Seams
S1=1/2 Lap (F)

Damper:



Pattern: 114

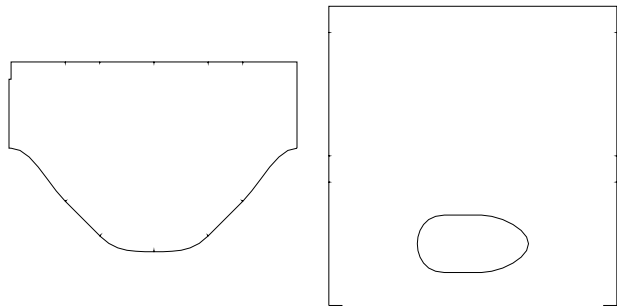
Flat Oval



Dims	Options	Conn's
A=Width	Pipe Parts=1	C1=SE Oval
B=Depth	Branch Parts=1	C2=SE Oval
C=Length	Pipe Diameter Type=Nominal	C3=SE Oval
D=Left Extension	Branch Diameter Type=Nominal	
E=Right Extension	Seam Position=0.000	
F=Branch Width #1	Branch Allowance To Pipe=0.000	
G=Branch Depth #1	True Oval Straight=No	
H=Branch Length #1	Hole Adjust=0.000	
I=Angle #1		
J=Inset #1		
K=Offset #1		
L=Extension #1		

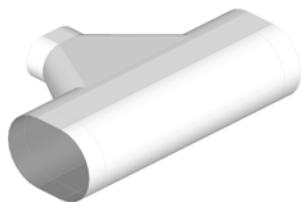
Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)

Damper:



Pattern: 115

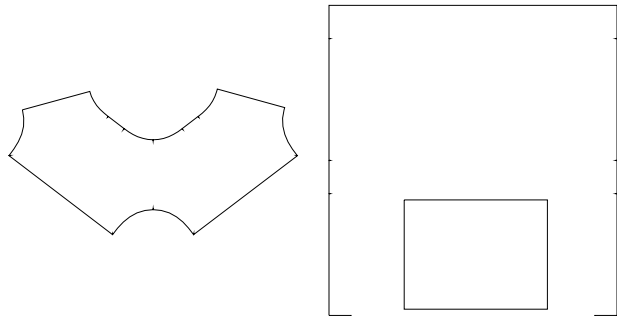
Flat Oval



Dims	Options	Conn's
A=Major Axis	Pipe Parts=1	C1=SE Oval
B=Minor Axis	Branch Parts=1	C2=SE Oval
C=Pipe Length	Pipe Seam Position=0.000	C3=SE Oval
D=Left Extension	Pipe Diameter Type=Nominal	
E=Right Extension	Branch Diameter Type=Nominal	
F=Major Axis	Round Allowance To Pipe=0.000	
G=Minor Axis	Flat Allowance To Pipe=0.000	
H=Branch Length	Hole Adjust=0.000	
I=Angle	Add Collars To Body=No	
J=Angle		
K=Inset		
L=Collar		

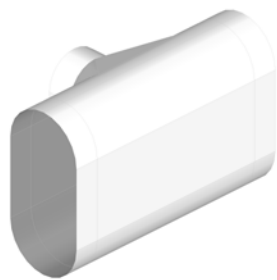
Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)
S3=1/2 Lap (F)

Damper:



Pattern: 116

Flat Oval



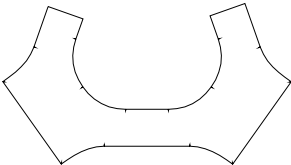
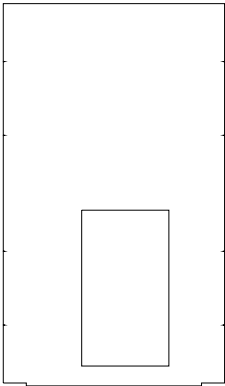
Dims	Options	Conn's
A=Minor Axis	Pipe Parts=1	C1=SE Oval
B=Major Axis	Branch Parts=1	C2=SE Oval
C=Pipe Length	Pipe Seam Position=0.000	C3=SE Oval
D=Left Extension	Pipe Diameter Type=Nominal	
E=Right Extension	Branch Diameter Type=Nominal	
F=Minor Axis	Round Allowance To Pipe=0.000	
G=Major Axis	Flat Allowance To Pipe=0.000	
H=Branch Length	Hole Adjust=0.000	
I=Angle		
J=Angle		
K=Inset		
L=Collar		

Seams

S1=1/2 Lap (F)

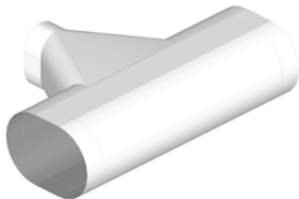
S2=1/2 Lap (F)

Damper:



Pattern: 117

Flat Oval



Dims	Options	Conn's
A=Major Axis	Pipe Parts=1	C1=SE Oval
B=Minor Axis	Branch Parts=1	C2=SE Oval
C=Pipe Length	Pipe Seam Position=0.000	C3=SE Oval
D=Left Extension	Pipe Diameter Type=Nominal	
E=Right Extension	Branch Diameter Type=Nominal	
F=Minor Axis	Round Allowance To Pipe=0.000	
G=Major Axis	Flat Allowance To Pipe=0.000	
H=Branch Length	Hole Adjust=0.000	
I=Angle	Add Collars To Body=No	
J=Angle		
K=Inset		
L=Collar		

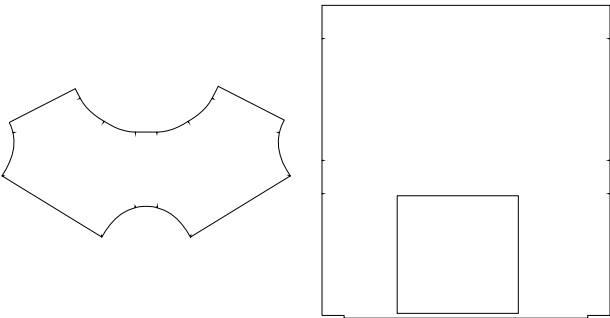
Seams

S1=1/2 Lap (F)

S2=1/2 Lap (F)

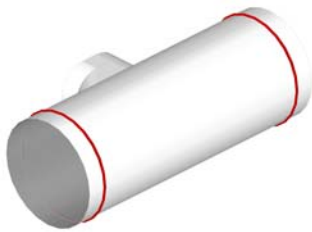
S3=1/2 Lap (F)

Damper:



Pattern: 118

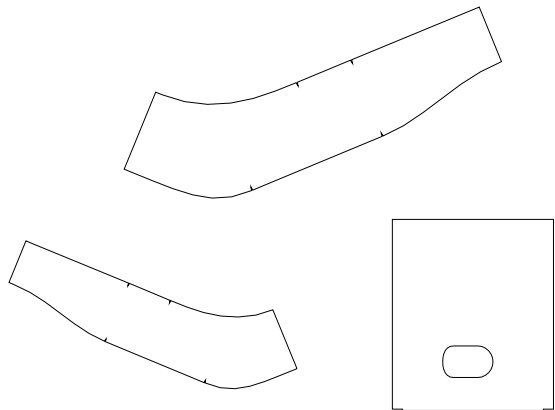
Flat Oval



Dims	Options	Conn's
A=Major Axis	Pipe Parts=1	C1=GRC_Swage-Male
B=Minor Axis	Pipe Seam Position=0.000	C2=GRC_Swage-Male
C=Pipe Length	Pipe Diameter Type=Nominal	C3=SE Oval
D=Left Extension	Hole Adjust=0.000	
E=Right Extension	Branch Allowance To Pipe=0.000	
F=Major Axis #1	Branch Diameter Type=Nominal	
G=Minor Axis #1	Branch Parts=2	
H=Branch Length #1	Plate Border=0.000	
I=Angle #1	Plate Type=Rectangular	
J=Inset #1	Sides=Yes	
K=Offset #1	Branch Seam Position=0.000	
L=Rotation #1	Branch Only=No	
M=Collar #1	Allow Branches On Flats=No	
	Reducer Seam Position=Corner	
	Reducer Parts=1	

Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)

Damper:



Pattern: 119

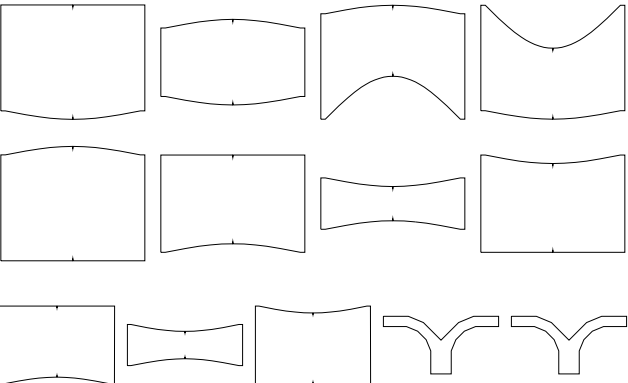
Flat Oval



Dims	Options	Conn's
A=Btm Width	Diameter Type=Nominal	C1=SE Oval
B=Depth	Add Collars To Body=Yes	C2=SE Oval
C=Top Diameter		C3=SE Oval
D=Inner Radius		C4=None
E=Bottom Extension		
F=Left Extension		
G=Right Extension		
H=Bottom Collar		
I=Left Collar		
J=Right Collar		

Seams
S1=1/2 Lap (F)

Damper:



Pattern: 120

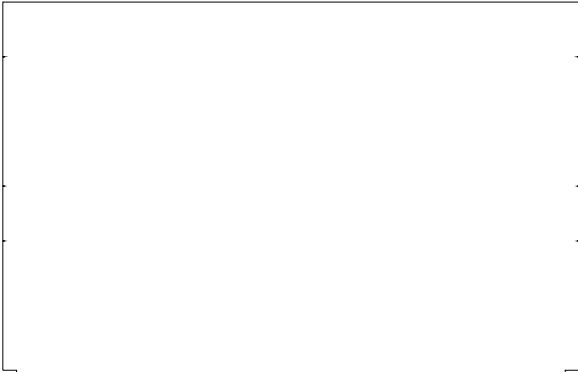
Flat Oval

Dims		Options	Conn's
A=Width		Diameter Type=Nominal	C1=Raw
B=Depth		Duct Length=(inch)	C2=Raw
C=Length		Area Adjust (%)=0.000	
D=Left Extension			
E=Right Extension			



Seams
S1=1/2 Lap (F)

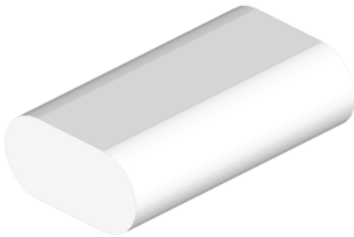
Damper:



Pattern: 121

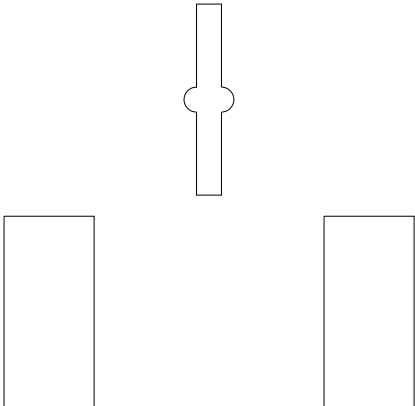
Flat Oval

Dims		Options	Conn's
A=Width	B=Depth	Collar=2 Parts	C1=SE Oval
C=Turnover		Diameter Type=Nominal	
		Turnover Allowance=0.000	



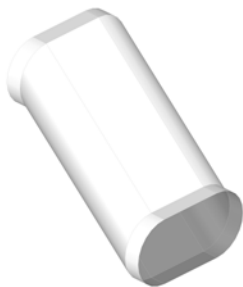
Seams

Damper:



Pattern: 122

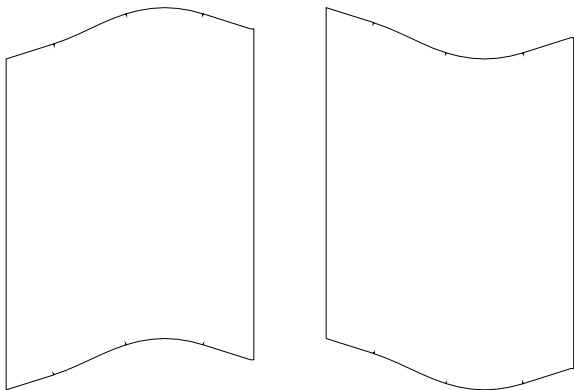
Flat Oval



Dims	Options	Conn's
A=Major Axis	Diameter Type BE=Nominal	C1=SE Oval
B=Minor Axis	Diameter Type SE=Nominal	C2=SE Oval
C=Major Axis	Same Seams On Each Part=No	
D=Minor Axis		
E=Length		
F=Offset Width		
G=Offset Depth		
H=Collar		
I=Collar		

Seams
S1=1/2 Lap (F)

Damper:



Pattern: 123

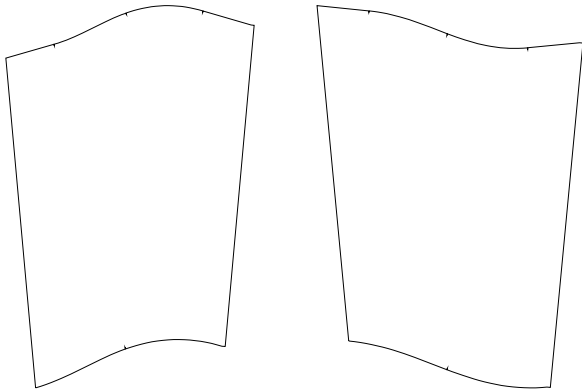
Round/Flat Oval



Dims	Options	Conn's
A=Width	Diameter Type BE=Nominal	C1=SE Oval
B=Depth	Diameter Type SE=Nominal	C2=GRC_Swage-Male
C=Diameter	Seam Position=Major Axis	
D=Length	Inlet=1	
E=Offset Width	Outlet=2	
F=Offset Depth	Same Seams On Each Part=No	
G=Oval Collar		
H=Round Collar		

Seams
S1=1/2 Lap (F)

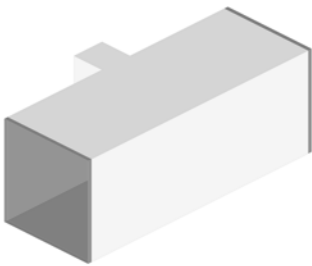
Damper:



Pattern: 124

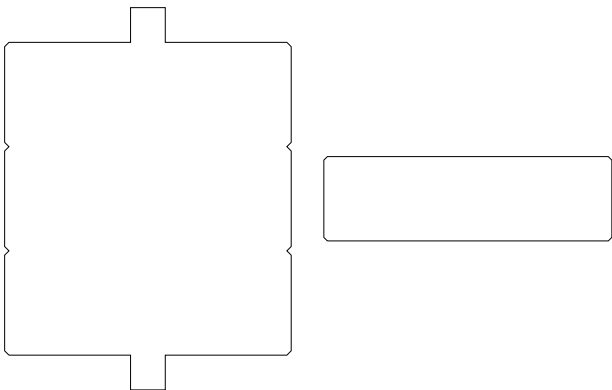
Rectangular

Dims		Options	Conn's
A=Width	B=Depth	3 Parts=No	C1=S&D
C=Length	D=Width		C2=S&D
E=Height	F=Inset		



Seams
S1=None

Damper:



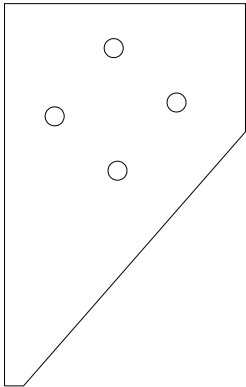
Pattern: 125

Standard

Dims		Options	Conn's
A=X-Offset	B=Y-Offset	Holes On Length=2	
C=X Pitch	D=Y Pitch		
E=Hole Inset	F=Hole Spacing		
G=Hole Spacing	H=Top Width		
I=Right Height	J=Right Offset		
K=Btm Width	L=Hole Diameter		
M=Inset	N=X Distance		
O=Y Distance			

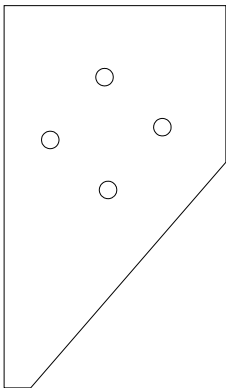
Seams

Damper:



Pattern: 126

Standard



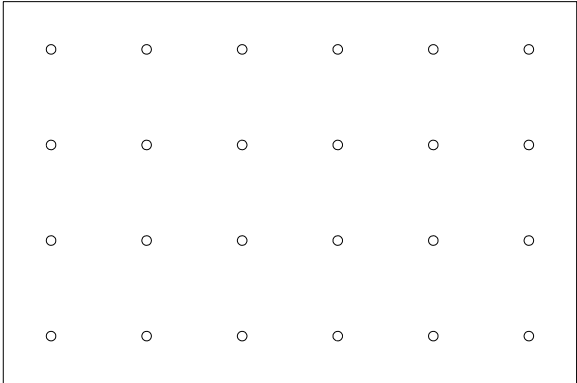
Dims	Options	Conn's
A=X-Offset	Holes On Length=2	
B=Y-Offset		
C=X Pitch		
D=Y Pitch		
E=Hole Inset		
F=Hole Spacing		
G=Hole Spacing		
H=Top Width		
I=Left Height		
J=Inset		
K=Hole Diameter		
L=Inset		
M=X Distance		
N=Y Distance		

Seams

Damper:

Pattern: 127

Standard



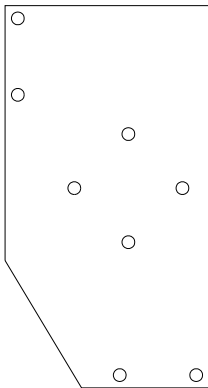
Dims	Options	Conn's
A=Width	Vee Notch Angle=90	C1=None
B=Depth	Duct Adjust=0.000	
C=X-Offset		
D=Y-Offset		
E=X Distance		
F=Y Distance		
G=Holes On Length		
H=Holes On Height		
I=Hole Diameter		

Seams

Damper:

Pattern: 128

Standard



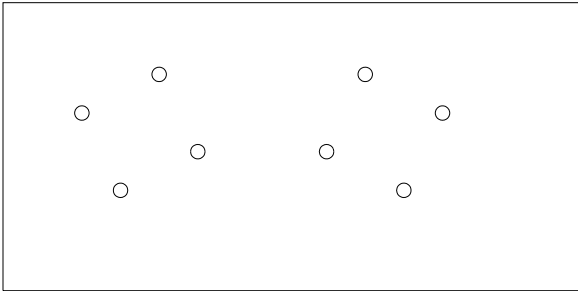
Dims	Options	Conn's
A=X-Offset	Holes On Length=2	
B=Y-Offset	Corner Style=Mitred	
C=X Pitch	Hole Diameter=0.500	
D=Y Pitch	Holes On Width=2	
E=Hole Inset	Hole Spacing=3.000	
F=Hole Spacing	Hole Inset=0.500	
G=Hole Spacing	Hole Offset=0.500	
H=Top Width	Holes On Height=2	
I=Right Height	Hole Spacing=3.000	
J=Left Height	Hole Inset=0.500	
K=Btm Width	Hole Offset=0.500	
L=Hole Diameter		Seams
M=Inset		
N=X Distance		
O=Y Distance		

Seams

Damper:

Pattern: 129

Standard



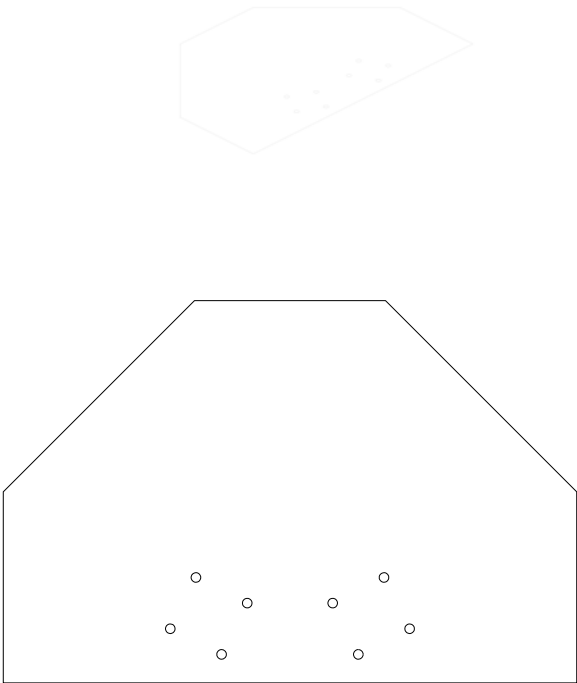
Dims	Options	Conn's
A=X-Offset	Holes On Length=2	
B=Y-Offset	Holes On Length=2	
C=Width	Hole Diameter=0.500	
D=Height		
E=X Pitch		
F=Y Pitch		
G=Hole Inset		
H=Hole Spacing		
I=Hole Spacing		
J=Inset		
K=X Distance		
L=Y Distance		
M=X Pitch		
N=Y Pitch		
O=Hole Inset		
P=Hole Spacing		
Q=Hole Spacing		
R=Inset		
S=X Distance		
T=Y Distance		

Seams

Damper:

Pattern: 130

Standard



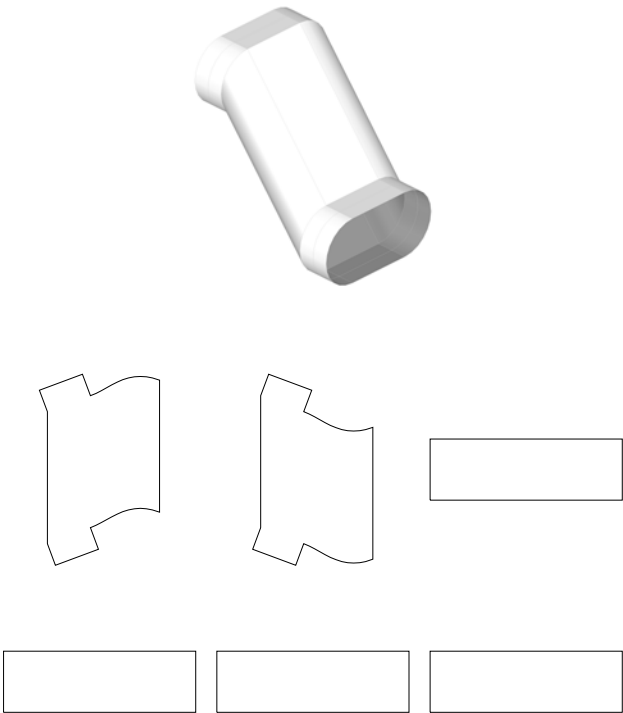
Dims	Options	Conn's
A=X-Offset	Holes On Length=2	
B=Y-Offset	Holes On Length=2	
C=Width	Hole Diameter=0.500	
D=Top Width		
E=Left Height		
F=Right Height		
G=X Distance		
H=Y Distance		
I=X Pitch		
J=Y Pitch		
K=Hole Inset		
L=Hole Spacing		
M=Hole Spacing		
N=X Distance		
O=Y Distance		
P=X Pitch		
Q=Y Pitch		
R=Hole Inset		
S=Hole Spacing		
T=Hole Spacing		
U=X Distance		
V=Y Distance		

Seams

Damper:

Pattern: 132

Flat Oval



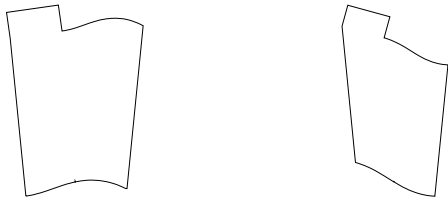
Dims	Options	Conn's
A=Major Axis	Cross Break=2	C1=SE Oval
B=Minor Axis	Diameter Type BE=Nominal	C2=SE Oval
C=Major Axis	Diameter Type SE=Nominal	
D=Minor Axis	Collar Arcs - Lap=0.000	
E=Length	Collar Arcs - Allowance=0.000	
F=Offset Width	Same Seams On Each Part=No	
G=Offset Depth	Oval Half Collar=Yes	
H=Extension In		
I=Extension Out		
J=Collar		
K=Collar		

Seams
S1=1/2 Lap (F)

Damper:

Pattern: 133

Round/Flat Oval



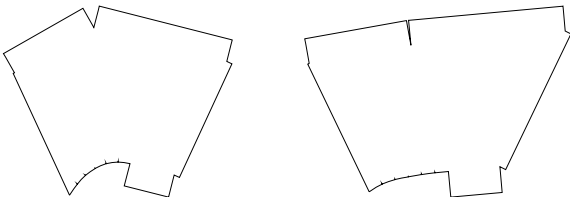
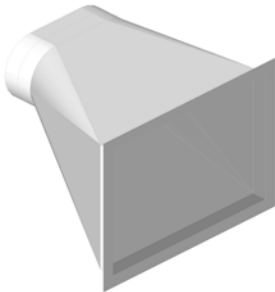
Dims	Options	Conn's
A=Width	Cross Break=2	C1=SE Oval
B=Depth	Diameter Type BE=Nominal	C2=GRC_Swage-Male
C=Diameter	Diameter Type SE=Nominal	
D=Length	Collar Arcs - Lap=0.000	
E=Offset Width	Collar Arcs - Allowance=0.000	
F=Offset Depth	Seam Position=Corner	
G=Oval Extension	Inlet=1	
H=Oval Collar	Outlet=2	
I=Round Collar	Same Seams On Each Part=No	
	Oval Half Collar=Yes	

Seams
S1=1/2 Lap (F)

Damper:

Pattern: 134

Rectangular/Flat Oval



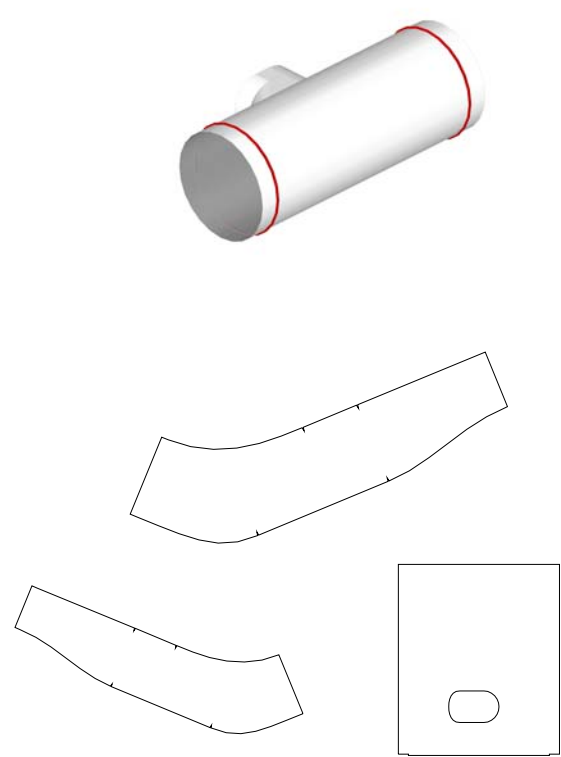
Dims	Options	Conn's
A=Width	Cross Break=2	C1=TDC
B=Depth	Diameter Type=Nominal	C2=SE Oval
C=Oval Width	Marker Type=Notch	
D=Oval Depth	Offset Width=Left In	
E=Length	Offset Depth=Bottom Up	
F=Offset Width	Seam Position=Corner	
G=Offset Depth	Collar Arcs - Lap=0.000	
H=Rect Extension	Collar Arcs - Allowance=0.000	
I=Oval Extension	Inlet=1	
J=Collar	Outlet=2	
	Same Seams On Each Part=No	
	Oval Half Collar=Yes	

Seams
S1=PIITS-S

Damper:

Pattern: 135

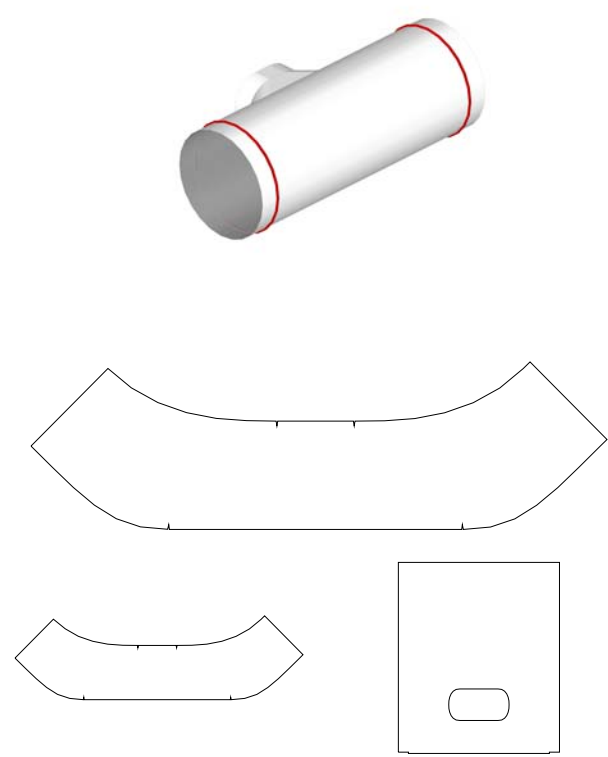
Flat Oval



Dims	Options	Conn's
A=Major Axis	Pipe Parts=1	C1=GRC_Swage-Male
B=Minor Axis	Pipe Seam Position=0.000	C2=GRC_Swage-Male
C=Pipe Length	Pipe Diameter Type=Nominal	C3=SE Oval
D=Left Extension	Hole Adjust=0.000	
E=Right Extension	Branch Allowance To Pipe=0.000	
F=Major Axis #1	Branch Diameter Type=Nominal	
G=Minor Axis #1	Branch Parts=2	
H=Branch Length #1	Plate Border=0.000	
I=Angle #1	Plate Type=Rectangular	
J=Inset #1	Branch Seam Position=0.000	
K=Offset #1	Collar Arcs - Lap=0.000	
L=Rotation #1	Collar Arcs - Allowance=0.000	
M=Collar #1	Branch Only=No	
N=Oval Half Extension	Branch Seam Position=All	
	Same Seams On Each Part=No	
	Allow Branches On Flats=No	
	Reducer Seam Position=Corner	
	Reducer Parts=1	
		Seams
		S1=1/2 Lap (F)
		S2=1/2 Lap (F)
		Damper:

Pattern: 136

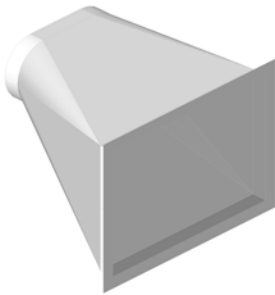
Flat Oval



Dims	Options	Conn's
A=Major Axis	Pipe Parts=1	C1=GRC_Swage-Male
B=Minor Axis	Pipe Seam Position=0.000	C2=GRC_Swage-Male
C=Pipe Length	Pipe Diameter Type=Nominal	C3=SE Oval
D=Left Extension	Hole Adjust=0.000	
E=Right Extension	Branch Allowance To Pipe=0.000	
F=Major Axis #1	Branch Diameter Type=Nominal	
G=Minor Axis #1	Branch Parts=2	
H=Branch Length #1	Plate Border=0.000	
I=Angle #1	Plate Type=Rectangular	
J=Inset #1	Branch Seam Position=0.000	
K=Offset #1	Collar Arcs - Lap=0.000	
L=Rotation #1	Collar Arcs - Allowance=0.000	
M=Collar #1	Branch Only=No	
N=Oval Half Extension	Branch Seam Position=All	
	Same Seams On Each Part=No	
	Reducer Seam Position=Corner	
	Reducer Parts=1	
		Seams
		S1=1/2 Lap (F)
		S2=1/2 Lap (F)
		Damper:

Pattern: 137

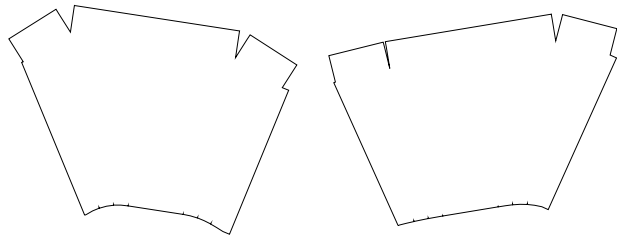
Rectangular/Flat Oval



Dims	Options	Conn's
A=Width	Cross Break=2	C1=TDC
B=Depth	Diameter Type=Nominal	C2=SE Oval
C=Oval Width	Marker Type=Notch	
D=Oval Depth	Offset Width=Left In	
E=Length	Offset Depth=Bottom Up	
F=Offset Width	Seam Position=Depth	
G=Offset Depth	Inlet=1	
H=Rect Extension	Outlet=2	
I=Collar	Same Seams On Each Part=No	

Seams
S1=PIITS-S

Damper:



Pattern: 139

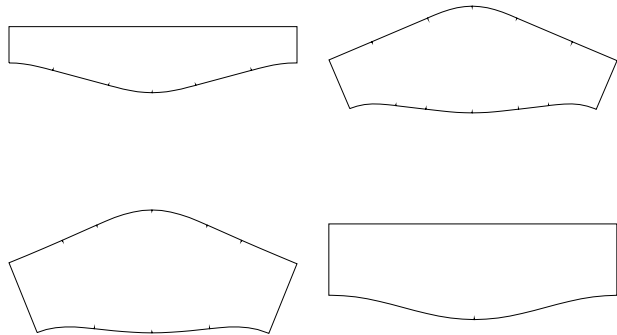
Flat Oval



Dims	Options	Conn's
A=Btm Width	Number Of Segments=4	C1=SE Oval
B=Btm Depth	Bottom Diameter Type=Nominal	C2=SE Oval
C=Top Width	Top Diameter Type=Nominal	C3=GRC_Swage-Male
D=Top Depth	Seam Position=Throat	
E=Centre Radius	Cross Break=1	
F=Angle		
G=Offset		
H=Bottom Extension		
I=Top Extension		

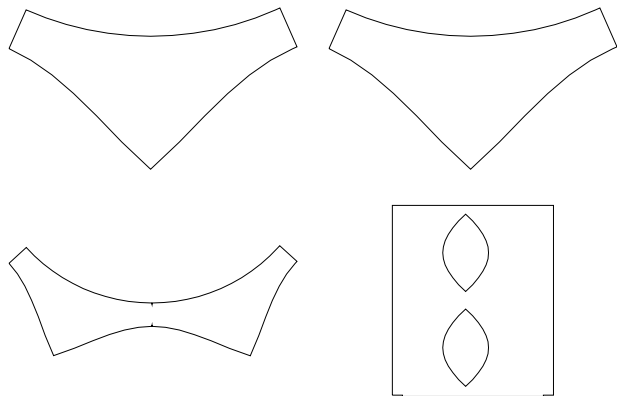
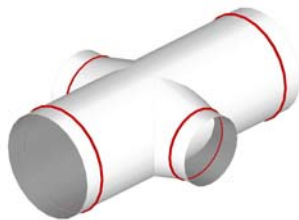
Seams
S1=1/2 Lap (F)

Damper:



Pattern: 140

Flat Oval



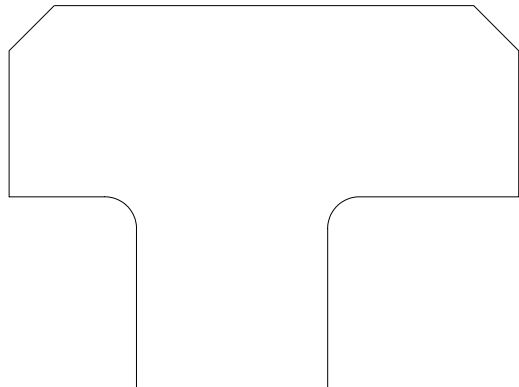
Dims	Options	Conn's
A=Major Axis	Pipe Parts=1	C1=GRC_Swage-Male
B=Minor Axis	Pipe Seam Position=0.000	C2=GRC_Swage-Male
C=Pipe Length	Pipe Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Extension	Hole Adjust=0.000	C4=GRC_Swage-Male
E=Right Extension	Branch Allowance To Pipe=0.000	
F=Branch Width #1	Branch Diameter Type=Nominal	
G=Branch Depth #1	Branch Parts=2	
H=Branch Length #1	Branch Diameter Type=Nominal	
I=Btm Width #1	Branch Parts=1	
J=Angle #1	Plate Border=0.000	
K=Inset #1	Plate Type=Rectangular	
L=Offset #1	Branch Seam Position=0.000	
M=Rotation #1	Branch Only=No	
N=Collar #1	Allow Branches On Flats=No	
O=Branch Width #2	Input=Angle	
P=Branch Depth #2	Reducer Seam Position=Corner	
Q=Branch Length #2	Reducer Parts=1	
R=Btm Width #2		
S=Angle #2		
T=Inset #2		
U=Offset #2		
V=Rotation #2		
W=Collar #2		

Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)
S3=1/2 Lap (F)

Damper:

Pattern: 141

Standard



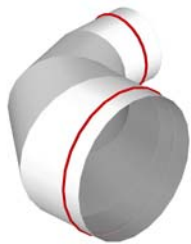
Dims	Options	Conn's
A=Left Width		
B=Btm Width		
C=Right Width		
D=Base Height		
E=Right Height		
F=Hole Inset		
G=Hole Offset		
H=Hole Spacing		
I=Hole Spacing		
J=Hole Diameter		
K=Holes On Length		
L=Holes On Height		
M=Inner Radius		
N=Corner		

Seams

Damper:

Pattern: 142

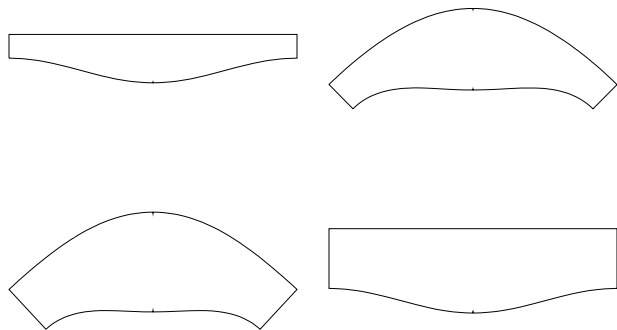
Round



Dims	Options	Conn's
A=Bottom Diameter	Number Of Segments=4	C1=GRC_Swage-Male
B=Top Diameter	Seam Position=0.000	C2=GRC_Swage-Male
C=Centre Radius	Cross Break=1	C3=GRC_Swage-Male
D=Angle	Bottom Diameter Type=Nominal	
E=Offset	Marker Type=Notch	
F=Bottom Extension	Top Diameter Type=Nominal	
G=Top Extension	Marker Depth=Default	
	Mark Sides=No	
	Leg Lengths=No	
	Square Outer Insulation=No	
	Outer Insulation Extensions=No	
	Splitters=0	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Splitter Shape=Angled	
	Splitter Type=Partial	
	Item Volume=Segmented	

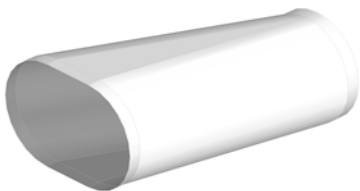
Seams
S1=None

Damper: None
None



Pattern: 147

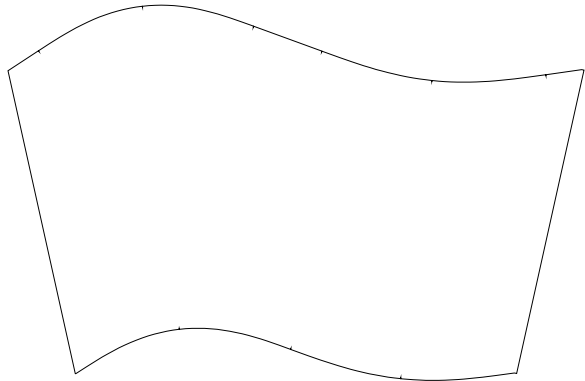
Flat Oval



Dims	Options	Conn's
A=Width In	Seam Position=Major Axis	C1=SE Oval
B=Depth In	Cross Break=1	C2=GRC_Swage-Male
C=Width Out	Diameter Type In=Nominal	C3=SE Oval
D=Depth Out	Diameter Type Out=Nominal	
E=Length	Mitred=None	
F=Offset Width	Offset Width=Left In	
G=Offset Depth	Offset Depth=Bottom Up	
H=Extension In		
I=Extension Out		
J=Collar In		
K=Collar Out		

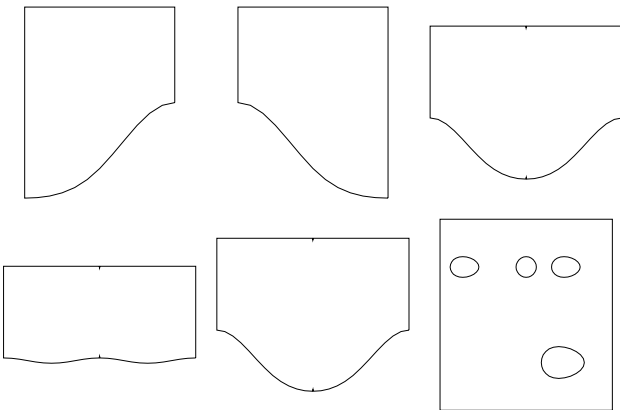
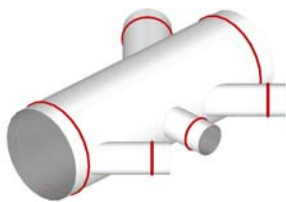
Seams
S1=1/2 Lap (F)

Damper:



Pattern: 148

Round



Dims	Options		Conn's
A=Pipe Diameter	Pipe Parts=1	Round Allowance T...	C1=GRC_Swage-Male
B=Pipe Length	First Break=0.000	Flat Allowance To P...	C2=GRC_Swage-Male
C=Left Extension	Second Break=0.000	Hole Adjust=0.000	C3=GRC_Swage-Male
D=Right Extension	Third Break=0.000	Castle Width=0.000	C4=GRC_Swage-Male
E=Branch Diameter #1	Seam Position=0.000	Castle Angle=30.000	C5=GRC_Swage-Male
F=Branch Length #1	Pipe Diameter Typ...	Round Allowance T...	C6=GRC_Swage-Male
G=Angle #1	Branch Type=Straig...	Flat Allowance To P...	
H=Inset #1	Branch Diameter T...	Hole Adjust=0.000	
I=Offset #1	Branch Parts=2	Castle Width=0.000	
J=Rotation #1	Branch Type=Straig...	Castle Angle=30.000	
K=Extension #1	Branch Diameter T...		
L=Branch Diameter #2	Branch Parts=1		
M=Branch Length #2	Branch Type=Straig...		
N=Angle #2	Branch Diameter T...		
O=Inset #2	Branch Parts=1		
P=Offset #2	Branch Type=Straig...		
Q=Rotation #2	Branch Diameter T...		
R=Extension #2	Branch Parts=1		
S=Branch Diameter #3	Diameter Reductio...		
T=Branch Length #3	Shoe Seam Positio...		
U=Angle #3	Handle Inline with ...		
V=Inset #3	Round Allowance T...		
W=Offset #3	Flat Allowance To P...		
X=Rotation #3	Hole Adjust=0.000		
Y=Extension #3	Castle Width=0.000		
Z=Branch Diameter #4	Castle Angle=30.000		
a=Branch Length #4	Round Allowance T...		
b=Angle #4	Flat Allowance To P...		
c=Inset #4	Hole Adjust=0.000		
d=Offset #4	Castle Width=0.000		
e=Rotation #4	Castle Angle=30.000		

Seams
S1=None
S2=None
S3=None
S4=None
S5=None
Damper:

Pattern: 149

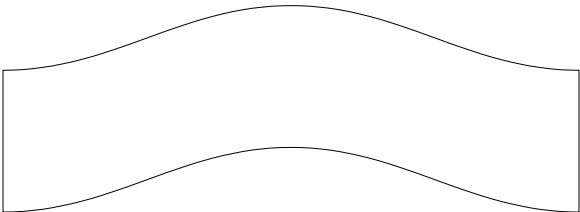
Round



Dims	Options	Conn's
A=Diameter	Cross Break=1	C1=None
B=Length	Seam Position=0.000	C2=None
C=Angle	Vertical=No	
D=Body Diameter	Pipework=No	
	Adjust=0.000	
	Include=Yes	
	Right Offset=6.000	
	Left Offset=6.000	
	Develop X Size For Diameter=No	

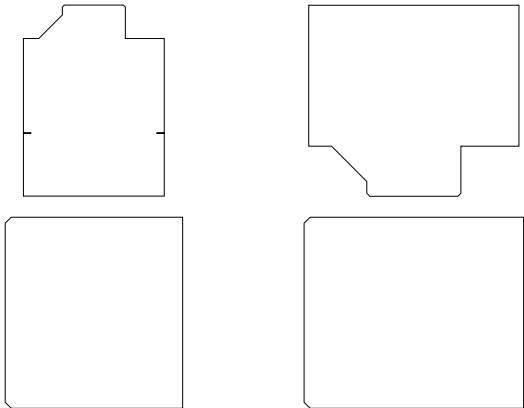
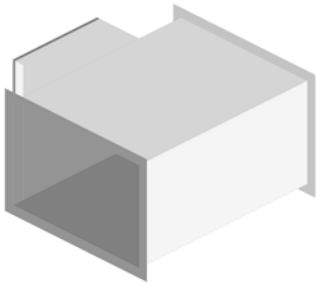
Seams
S1=None

Damper:



Pattern: 150

Rectangular

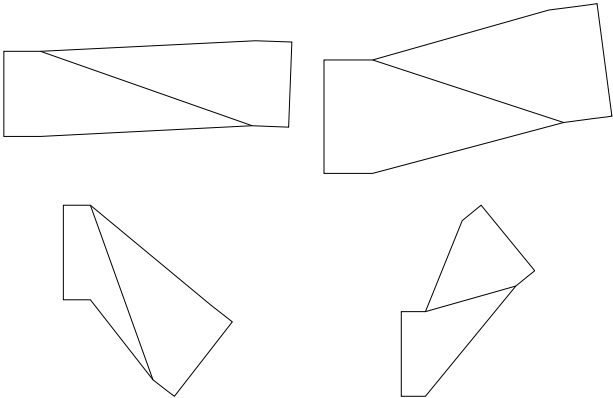


Dims	Options	Conn's
A=Width	Throat Type=Mitred	C1=TDC
B=Depth	2 Parts=Yes	C2=TDC
C=Length	Vee Depth Male=Auto	C3=S&D
D=Branch Width #1	Vee Depth Female=Auto	
E=Height #1	Vee Notch Angle=30.000	
F=Extension #1	Connector Fold Notch=Use Default	
G=Inset #1	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
	Hole Adjust=0.000	
	Connector Fold Notch=Use Default	
	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
		Seams
		S1=None

Damper:

Pattern: 151

Rectangular



Dims	Options	Conn's
A=Width In	Folds=Out	C1=TDC
B=Depth In	Offset Width=Right In	C2=TDC
C=Width Out	Offset Depth=Bottom Up	
D=Depth Out		
E=Length		
F=Angle		
G=Extension In		
H=Extension Out		
I=Offset Width		
J=Offset Depth		
K=Twist Angle		
		Seams
		S1=None

Damper:

Pattern: 152

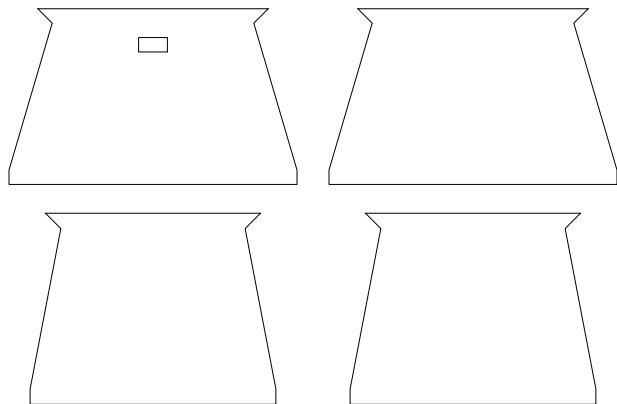
Rectangular



Dims	Options	Conn's
A=Btm Width	Hole Length=4.000	C1=None
B=Btm Depth	Hole Width=2.000	C2=None
C=Top Width	X-Offset=0.000	
D=Top Depth	Y-Offset=2.000	
E=Height	Break=40.000	
F=Flange	Opposite Hole=No	
G=Turnover		
H=Flange		
I=Turnover		

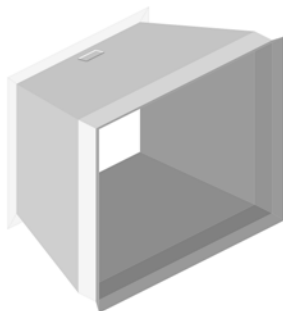
Seams

Damper:



Pattern: 153

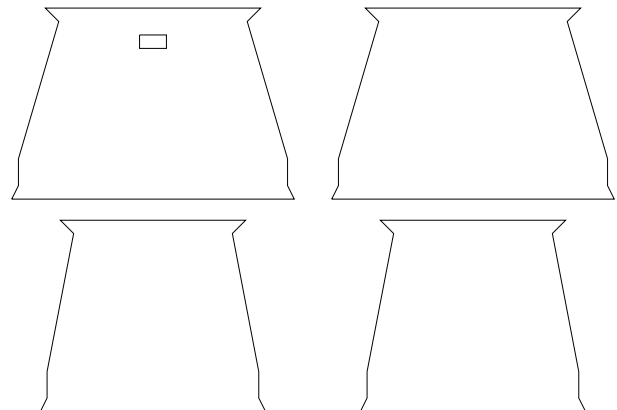
Rectangular



Dims	Options	Conn's
A=Btm Width	Hole Length=4.000	C1=None
B=Btm Depth	Hole Width=2.000	C2=None
C=Top Width	X-Offset=0.000	
D=Top Depth	Y-Offset=2.000	
E=Height	Break=40.000	
F=Turnover	Opposite Hole=No	
G=Turnover		
H=Base Width		
I=Base Depth		
J=Base Height		
K=Extension		
L=Angle		

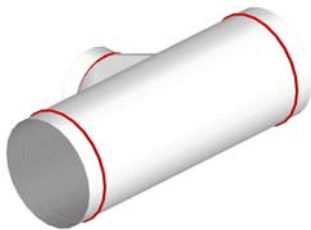
Seams

Damper:



Pattern: 154

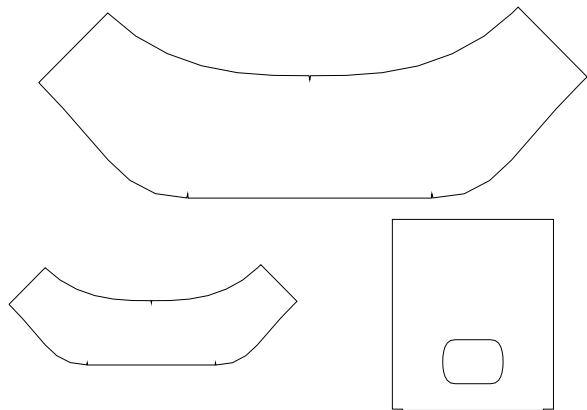
Flat Oval



Dims	Options	Conn's
A=Major Axis	Pipe Parts=1	C1=GRC_Swage-Male
B=Minor Axis	Pipe Seam Position=0.000	C2=GRC_Swage-Male
C=Pipe Length	Pipe Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Extension	Hole Adjust=0.000	
E=Right Extension	Branch Allowance To Pipe=0.000	
F=Major Axis #1	Branch Diameter Type=Nominal	
G=Minor Axis #1	Branch Parts=2	
H=Branch Length #1	Plate Border=0.000	
I=Angle #1	Plate Type=Rectangular	
J=Inset #1	Branch Seam Position=0.000	
K=Offset #1	Branch Only=No	
L=Rotation #1	Reducer Seam Position=Corner	
M=Collar #1	Reducer Parts=1	

Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)

Damper:



Pattern: 155

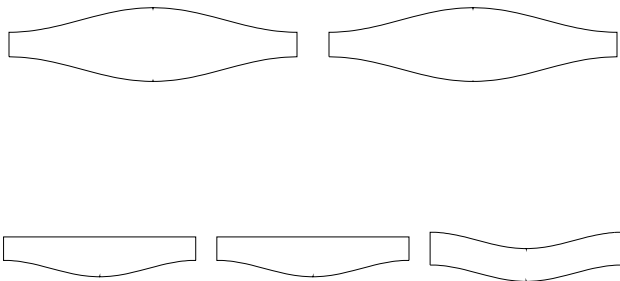
Round



Dims	Options	Conn's
A=Diameter	Seam Position=0.000	C1=GRC_Swage-Male
B=Height	Top Number Of Segments=2	C2=GRC_Swage-Male
C=Top Radius	Bottom Number Of Segments=2	C3=GRC_Swage-Male
D=Top Angle	Single Segments=Yes	
E=Top Extension	Diameter Type=Nominal	
F=Bottom Radius	Marker Type=Notch	
G=Bottom Angle	Two Bends=No	
H=Bottom Extension	Top Number Of Segments=2	
I=Twist Angle	Bottom Number Of Segments=2	
	Item Pattern Length/Angle=Length	

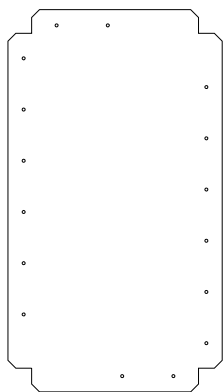
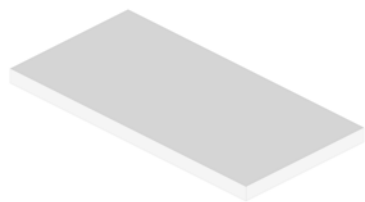
Seams
S1=None

Damper:



Pattern: 158

Standard



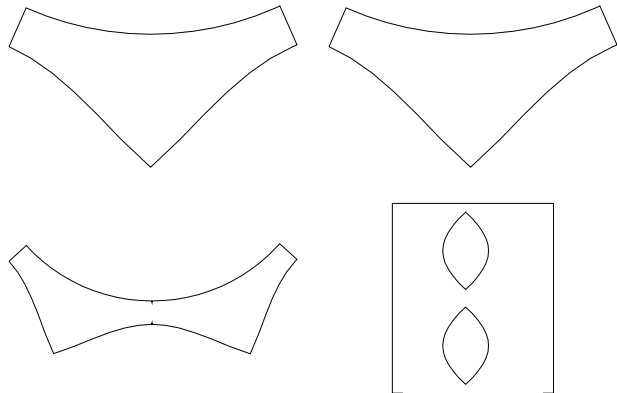
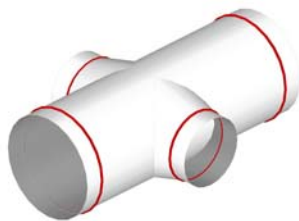
Dims	Options	Conn's
A=Height	Notch 1=Yes	
B=Width	Notch 2=Yes	
C=Depth	Marker=No	
D=Top	Top Holes=2	
E=Right	Bottom Holes=2	
F=Bottom	Right Holes=2	
G=Left	Left Holes=2	
H=Hole Inset	Hole Edge=100.000	
I=Hole Offset		
J=Hole Inset		
K=Hole Offset		
L=Hole Diameter		
M=Hole Spacing		

Seams

Damper:

Pattern: 159

Flat Oval



Dims	Options	Conn's
A=Major Axis	Pipe Parts=1	C1=GRC_Swage-Male
B=Minor Axis	Pipe Seam Position=0.000	C2=GRC_Swage-Male
C=Pipe Length	Pipe Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Extension	Hole Adjust=0.000	C4=GRC_Swage-Male
E=Right Extension	Branch Allowance To Pipe=0.000	
F=Branch Width #1	Branch Diameter Type=Nominal	
G=Branch Depth #1	Branch Parts=2	
H=Branch Length #1	Branch Diameter Type=Nominal	
I=Angle #1	Branch Parts=1	
J=Inset #1	Plate Border=0.000	
K=Offset #1	Plate Type=Rectangular	
L=Rotation #1	Branch Seam Position=0.000	
M=Collar #1	Branch Only=No	
N=Branch Width #2	Allow Branches On Flats=No	
O=Branch Depth #2	Reducer Seam Position=Corner	
P=Branch Length #2	Reducer Parts=1	
Q=Angle #2		
R=Inset #2		
S=Offset #2		
T=Rotation #2		
U=Collar #2		

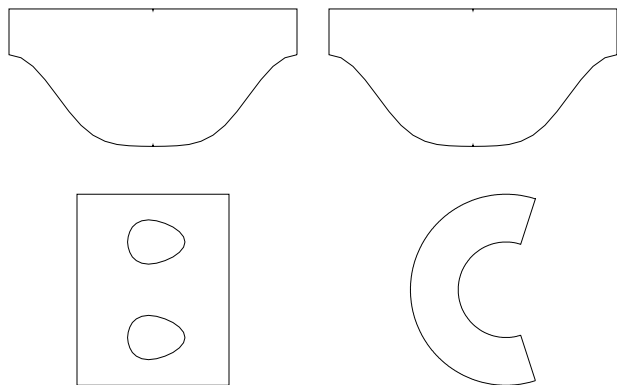
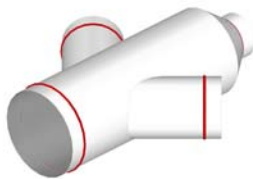
Seams

S1=1/2 Lap (F)
S2=1/2 Lap (F)
S3=1/2 Lap (F)

Damper:

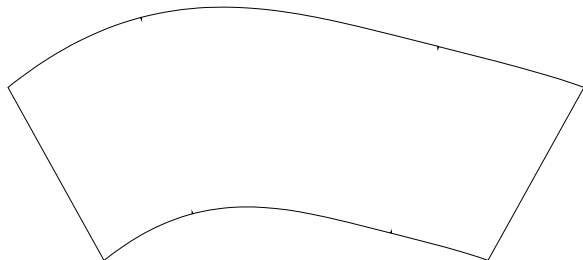
Pattern: 160

Round



Pattern: 162

Round/Fabrication



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Right Diameter	Branch Parts=1	C2=GRC_Swage-Male
C=Pipe Length	First Break=0.000	C3=GRC_Swage-Male
D=Right Length	Second Break=0.000	C4=GRC_Swage-Male
E=Left Extension	Third Break=0.000	C5=GRC_Swage-Male
F=Right Extension	Seam Position=0.000	
G=Branch Diameter #1	Pipe Diameter Type=Nominal	
H=Branch Length #1	Branch Diameter Type=Nominal	
I=Angle #1	Branch Diameter Type=Nominal	
J=Inset #1	Hole Adjust=0.000	
K=Offset #1	Branch Allowance To Pipe=0.000	
L=Extension #1	Branch Seam Position=0.000	
M=Branch Diameter #2	Throat Cut Back (Degrees)=0.000	
N=Branch Length #2	Right Diameter Type=Nominal	
O=Angle #2	Plate Border (Circumference)=0.000	
P=Inset #2	Plate Type=Rectangular	
Q=Offset #2	Estimated Diameter %age=Not Used	
R=Rotation #2	Cut Back Allowance (%)=0.000	
S=Extension #2	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	
	End Castle Width =0.000	
	End Castle Angle=30.000	
	Reducer Parts=1	
	Seam Position=0.000	
	First Break=0.000	
	Second Break=0.000	
	Third Break=0.000	

Seams
S1=None
S2=None
S3=None

Damper: None
None
None
None
None

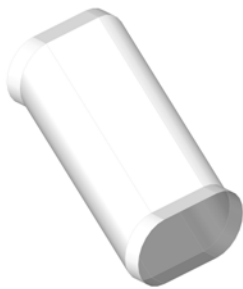
Dims	Options	Conn's
A=Diameter In	Diameter Type BE=Nominal	C1=GRC_Swage-Male
B=Diameter Out	Diameter Type SE=Nominal	C2=GRC_Swage-Male
C=Length	Cross Break=1	
D=Y-Offset	Seam Position=0.000	
E=X-Offset	Length Break=1	
F=Left Extension	Estimated Diameter %age=Not Used	
G=Right Extension	Marker Type=Notch	
H=Round Angle	Length Includes Extensions=No	
	Graining Angle=90.000	
	Offset Width=Left In	
	Offset Depth=Bottom Up	

Seams
S1=None

Damper: None
None

Pattern: 163

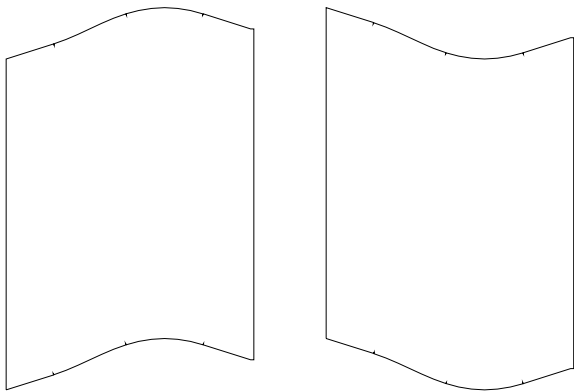
Flat Oval



Dims	Options	Conn's
A=Major Axis	Cross Break=2	C1=SE Oval
B=Minor Axis	Diameter Type BE=Nominal	C2=SE Oval
C=Major Axis	Diameter Type SE=Nominal	
D=Minor Axis	Seam Position=Major Axis	
E=Length	Same Seams On Each Part=No	
F=Offset Width		
G=Offset Depth		
H=Collar		
I=Collar		

Seams
S1=1/2 Lap (F)

Damper:



Pattern: 165

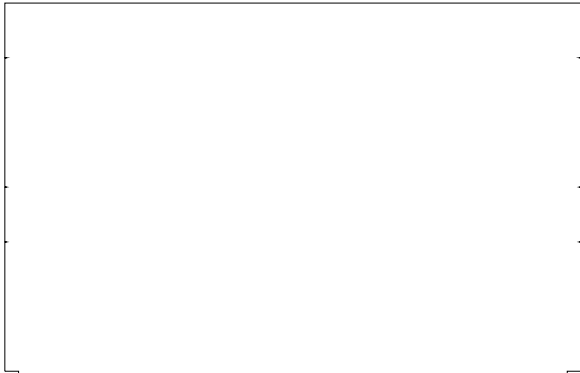
Flat Oval



Dims	Options	Conn's
A=Width	Diameter Type=Nominal	C1=Raw
B=Depth	Duct Length=(inch)	C2=Raw
C=Length	Area Adjust (%)=0.000	
D=Left Extension		
E=Right Extension		

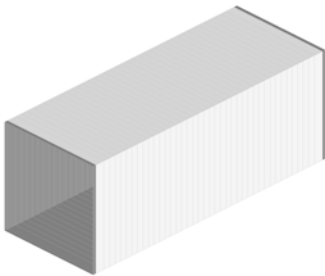
Seams
S1=1/2 Lap (F)

Damper:



Pattern: 166

Rectangular



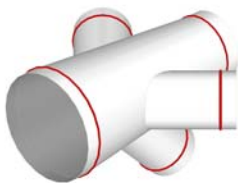
Dims		Options	Conn's
A=Width	B=Depth	Lines=Auto	C1=S&D
C=Length	D=Extension	Lines=10.000	C2=S&D
		Develop=No	

Seams

Damper:

Pattern: 169

Round

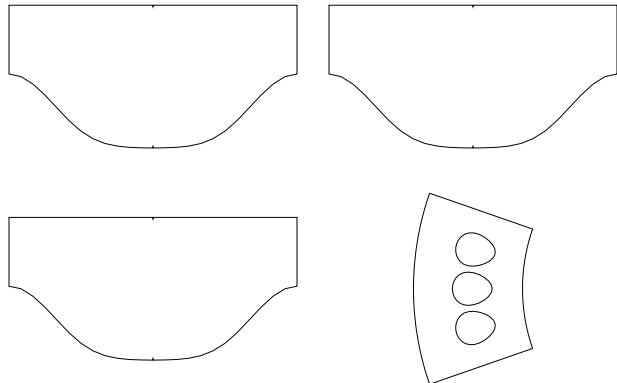


Dims		Options	Conn's
A=Pipe Diameter		Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Diameter		Branch Parts=1	C2=GRC_Swage-Male
C=Pipe Length		First Break=0.000	C3=GRC_Swage-Male
D=Left Extension		Second Break=0.000	C4=GRC_Swage-Male
E=Right Extension		Third Break=0.000	C5=GRC_Swage-Male
F=Branch Diameter #1		Seam Position=0.000	
G=Branch Length #1		Diameter Type BE=Nominal	
H=Angle #1		Diameter Type SE=Nominal	
I=Inset #1		Branch Diameter Type=Nominal	
J=Offset #1		Branch Diameter Type=Nominal	
K=Rotation #1		Branch Diameter Type=Nominal	
L=Extension #1		Hole Adjust=0.000	
M=Branch Diameter #2		Branch Allowance To Pipe=0.000	
N=Branch Length #2		Branch Seam Position=0.000	
O=Angle #2		Throat Cut Back (Degrees)=0.000	
P=Inset #2		Estimated Diameter %age=Not Used	
Q=Offset #2		Cut Back Allowance (%)=0.000	
R=Rotation #2		End Castle Width =0.000	
S=Extension #2		End Castle Angle=30.000	
T=Branch Diameter #3			
U=Branch Length #3			
V=Angle #3			
W=Inset #3			
X=Offset #3			
Y=Rotation #3			
Z=Extension #3			

Seams

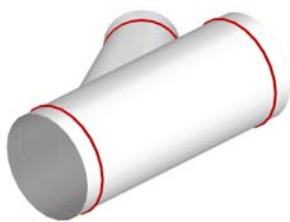
S1=None
S2=None
S3=None
S4=None

Damper: None
None
None
None
None



Pattern: 170

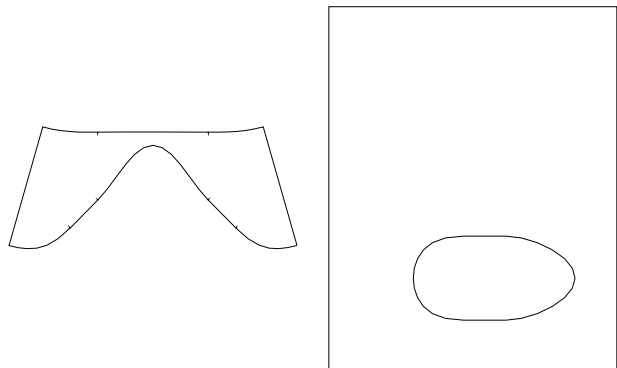
Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Left Extension	Branch Parts=1	C2=GRC_Swage-Male
C=Right Extension	Seam Position=0.000	C3=GRC_Swage-Male
D=Branch Diameter	Seam Position=Throat	
E=Branch Length	Pipe Diameter Type=Nominal	
F=Inset	Branch Diameter Type=Nominal	
G=Length In	Branch Allowance To Pipe=0.000	
H=Length Out	Hole Adjust=0.000	
I=Angle	Diameter Reduction=0.000	
J=Collar	Plate Border (Width)=0.000	
	Plate Border (Depth)=Equal	
	Plate Type=Rectangular	

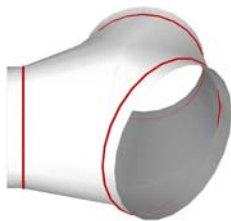
Seams
S1=None
S2=None

Damper:



Pattern: 171

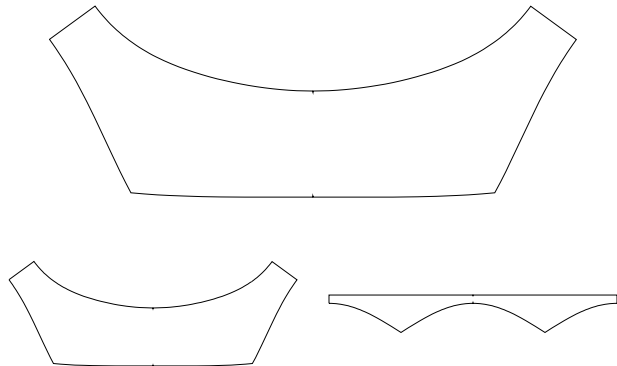
Round



Dims	Options	Conn's
A=Bottom Diameter	Bottom Diameter Type=Nominal	C1=GRC_Swage-Male
B=Btm Length	Left Diameter Type=Nominal	C2=GRC_Swage-Male
C=Left Diameter	Right Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Length	Seam Position=Top	C4=GRC_Swage-Male
E=Left Angle		
F=Right Diameter		
G=Right Length		
H=Right Angle		
I=Height		
J=Base Height		
K=Bottom Extension		
L=Left Collar		
M=Right Collar		

Seams
S1=None

Damper:



Pattern: 172

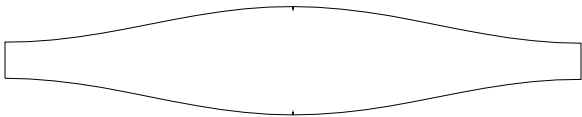
Round

Dims	Options	Conn's
A=Diameter	Cross Break=1	C1=GRC_Swage-Male
B=Top Diameter	Seam Position=0.000	C2=GRC_Swage-Male
C=Radius	Diameter Type=Nominal	
D=Angle	Diameter=End	



Seams
S1=None

Damper:



Pattern: 173

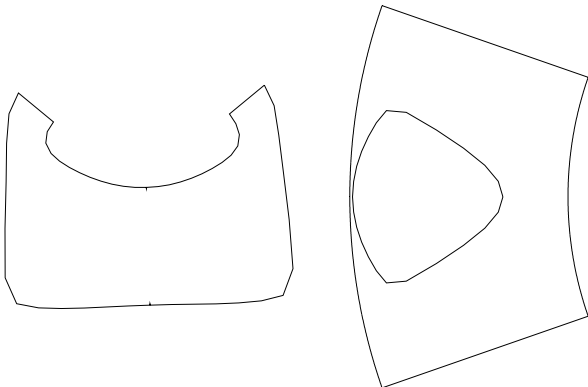
Round

Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Diameter	Branch Parts=1	C2=GRC_Swage-Male
C=Pipe Length	First Break=0.000	C3=GRC_Swage-Male
D=Left Extension	Second Break=0.000	
E=Right Extension	Third Break=0.000	
F=Branch Diameter #1	Seam Position=270.000	
G=Branch Length #1	Diameter Type BE=Nominal	
H=Angle #1	Diameter Type SE=Nominal	
I=Inset #1	Branch Diameter Type=Nominal	
J=Extension #1	Hole Adjust=0.000	
	Branch Allowance To Pipe=0.000	
	Branch Seam Position=0.000	
	Throat Cut Back (Degrees)=0.000	
	Estimated Diameter %age=Not Used	
	Cut Back Allowance (%)=0.000	
	End Castle Width =0.000	
	End Castle Angle=30.000	



Seams
S1=None
S2=None

Damper: None
None



Pattern: 182

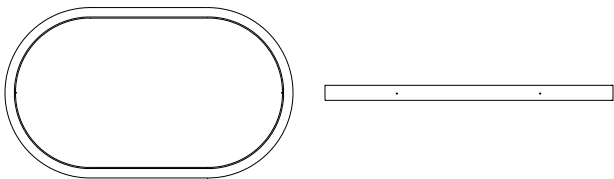
Round/Flat Oval

Dims		Options	Conn's
A=Diameter	B=Depth	Diameter Type=Nominal	
C=Flange	D=Collar	Adjustment=0.200	
E=Gaps	F=Hole #1	Vee Notch Depth=0.120	
G=Hole #2	H=Hole Inset	Vee Notch Angle=10.000	
		Collar Marker Notches=No	
		Collar Seam Position=Major Axis	



Seams
S1=1/2 Lap (F)

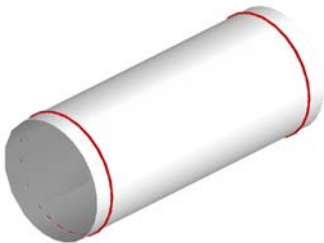
Damper:



Pattern: 183

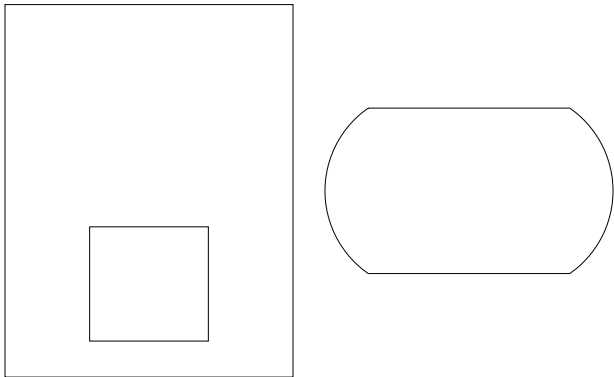
Round

Dims		Options	Conn's
A=Diameter		Seam Position=0.000	C1=GRC_Swage-Male
B=Length		Pipe Parts=1	C2=GRC_Swage-Male
C=Left Extension		Pipe Diameter Type=Nominal	
D=Right Extension		Lap=0.000	
E=Centre Length		Vee Notch Angle=20.000	
F=Centre Depth		Vee Notch Depth=0.000	
G=Inset		Use Vee Notch=Yes	
H=Angle		Separate Cut Out=Yes	
		Cut Out=1	
		Seam Position=270.000	



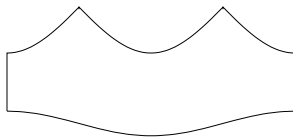
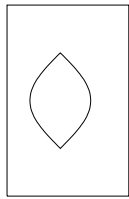
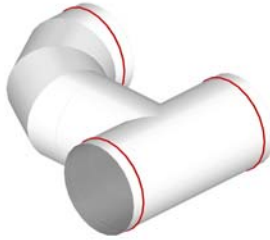
Seams
S1=None
S2=None
S3=None

Damper:



Pattern: 184

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Pipe Seam Position=270.000	C2=GRC_Swage-Male
C=Left Extension	Pipe Parts=1	C3=GRC_Swage-Male
D=Right Extension	First Break=0.000	C4=GRC_Swage-Male
E=Diameter	Second Break=0.000	
F=Centre Radius	Third Break=0.000	
G=Angle	Branch Diameter Type=Nominal	
H=Inset #1	Branch Seam Position=0.000	
I=Height	Cross Break=1	
J=Twist Angle	Number Of Segments=4	
K=Top Extension	Single Segments=Yes	
	Nest Break Start Segment=0	
	Nest Break End Segment=0	
	Marker Type=Notch	
	Hole Adjust=0.000	
	Notch Angle For Seam=0	
	Stitch Gap=0.000	
	Number Of Stitches=4	
	Branch Allowance To Pipe=0.000	
	Angle Tolerance=0.000	

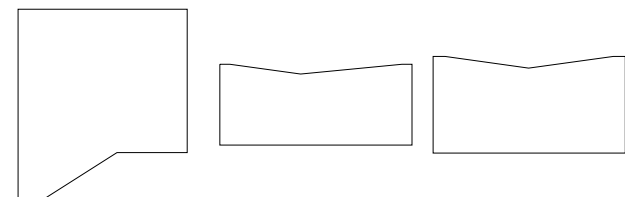
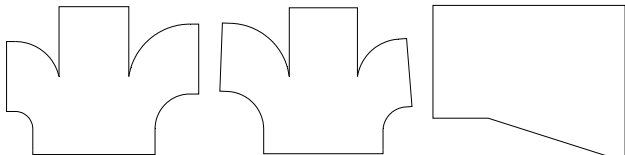
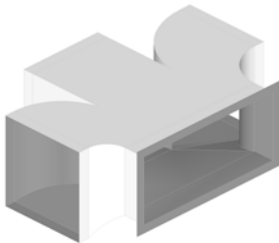
Seams

S1=None
S2=None

Damper:

Pattern: 185

Rectangular



Dims	Options	Conn's
A=Btm Width	Right Throat Type=Radius	C1=TDC
B=Btm Depth	Left Throat Type=Radius	C2=None
C=Top Width	Vee Depth Male=Auto	C3=None
D=Top Depth	Vee Depth Female=Auto	C4=None
E=Right Width	Vee Angle Male=30	
F=Right Depth	Vee Angle Female=30	
G=Left Width	Right Heel Type=Radius	
H=Left Depth	Left Heel Type=Radius	
I=Top Offset	Junction Notch=Use Default	
J=Right Offset	Vee Notch Angle=20.000	
K=Left Offset	2 Part Wrapper=No	
L=Height	Right Folds=End Point	
M=Right Height	Left Folds=End Point	
N=Left Height	Top Right=Straight	
O=Right Radius	Top Left=Straight	
P=Left Radius	Separate Mid Cheeks=No	
Q=Right Angle		
R=Left Angle		
S=Btm Right Extension		
T=Btm Left Extension		
U=Right Extension		
V=Left Extension		
W=Top Inset		
X=Top Extension		

Seams

S1=None

Damper:

Pattern: 186

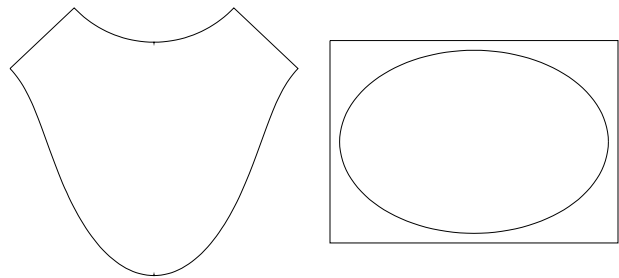
Round



Dims	Options	Conn's
A=Bottom Diameter	Diameter Type=Nominal	C1=GRC_Swage-Male
B=Top Diameter	Cross Break=1	C2=None
C=Length	Seam Position=0.000	
D=Collar	Hole Adjust=0.000	
E=Slope Angle	Turnover=0.000	
F=Border	Type=None	
G=Cone Angle		

Seams
S1=None

Damper: None



Pattern: 189

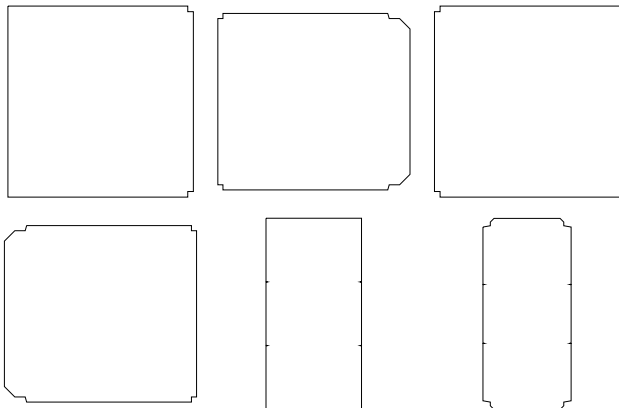
Rectangular



Dims	Options	Conn's
A=Left Width	Six Parts Left Lap=None	C1=S&D
B=Right Width	Six Parts Right Lap=None	C2=None
C=Depth	Clip Holes=No	C3=None
D=Length	Alternate Weathering=No	
E=Angle	Holes CAD Nodes=No	
F=Six Parts Left Height	Ensure Center Closed=No	
G=Six Parts Right Height		

Seams
S1=PITTS-S
S2=PITTS-S

Damper:



Pattern: 202

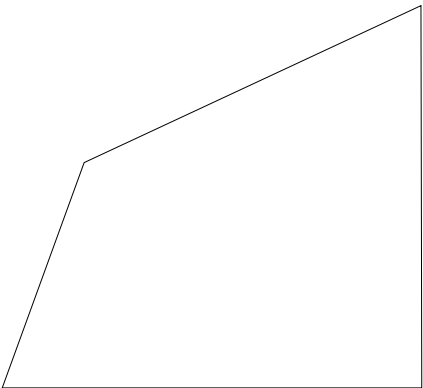
Standard

Dims		Options	Conn's
A=Length A	B=Length B		
C=Length C	D=Angle A-B		
E=Angle B-C			



Seams

Damper:



Pattern: 203

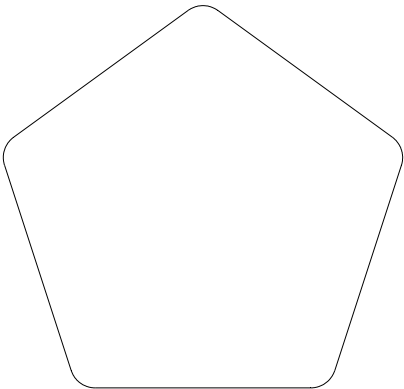
Standard

Dims		Options	Conn's
A=Length	B=Radius		
C=Sides			



Seams

Damper:



Pattern: 204

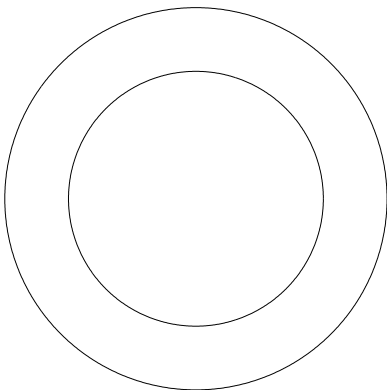
Standard

Dims	Options	Conn's
A=Outer Diameter	Number Of Parts=1	
B=Inner Diameter	Parts To Cut=All	
	Seam For Weathering=No	
	Fixing Holes On Extension=0.000	
	Notch Angle For Seam=Arc	



Seams
S1=None

Damper:



Pattern: 205

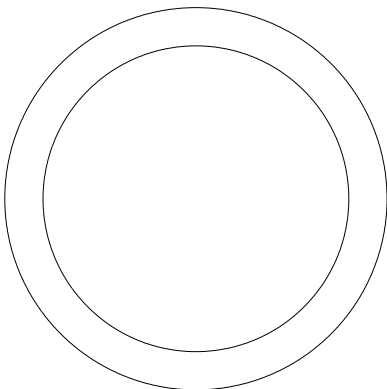
Standard

Dims	Options	Conn's
A=Outside Diameter	Parts=1	
B=Inside Diameter		



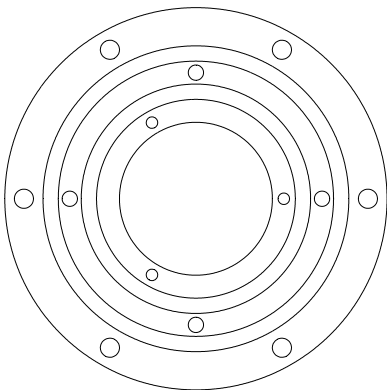
Seams
S1=None

Damper:



Pattern: 206

Standard

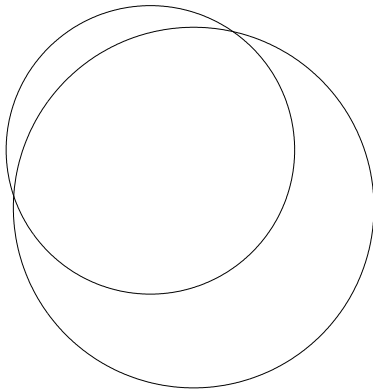


Dims	Options	Conn's
A=Outside Diameter		
B=Hole Diameter		
C=Angle		
D=Inside Diameter		
E=Outside Diameter		
F=Hole Diameter		
G=Angle		
H=Inside Diameter		
I=Outside Diameter		
J=Hole Diameter		
K=Angle		
L=Inside Diameter		
		Seams

Damper:

Pattern: 207

Standard



Dims	Options	Conn's
A=Outside Diameter		
B=Inside Diameter		
C=X-Offset		
D=Y-Offset		
		Seams
		S1=None

Damper:

Pattern: 208

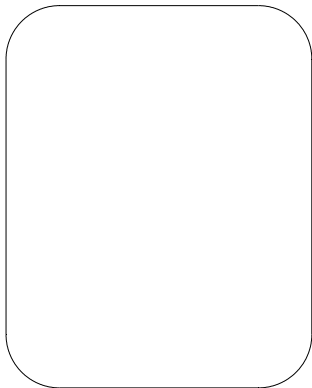
Standard

Dims		Options	Conn's
A=Height	B=Width		
C=Radius			



Seams

Damper:



Pattern: 209

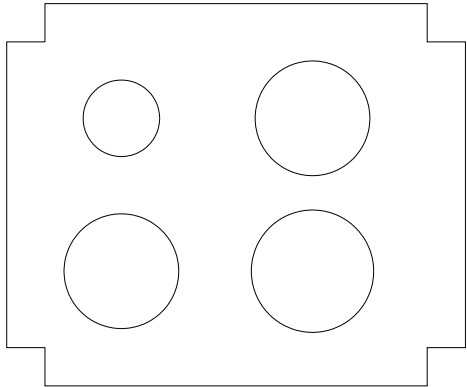
Standard

Dims		Options	Conn's
A=Height	B=Width		
C=Turnover	D=Diameter		
E=X-Offset	F=Y-Offset		
G=Diameter	H=X-Offset		
I=Y-Offset	J=Diameter		
K=X-Offset	L=Y-Offset		
M=Diameter	N=X-Offset		
O=Y-Offset			



Seams

Damper:



Pattern: 210

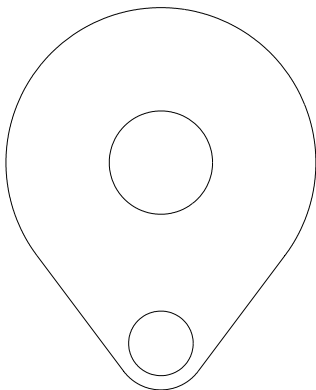
Standard

Dims	Options	Conn's
A=Top Diameter		
B=Bottom Diameter		
C=Hole Diameter		
D=Hole Diameter		
E=Y Distance		



Seams

Damper:



Pattern: 211

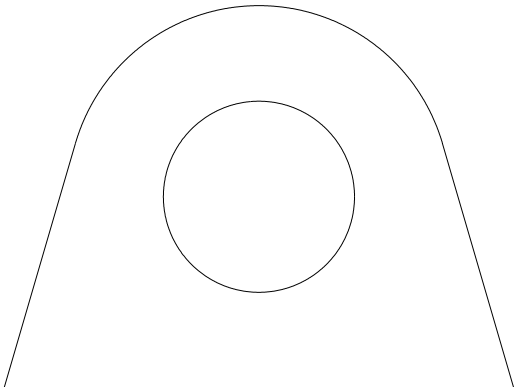
Standard

Dims	Options	Conn's
A=Height		
B=Width		
C=Radius		
D=Hole Radius		



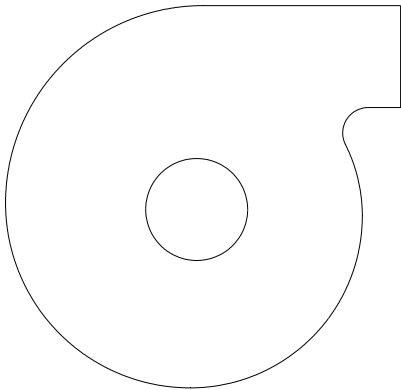
Seams

Damper:



Pattern: 212

Standard



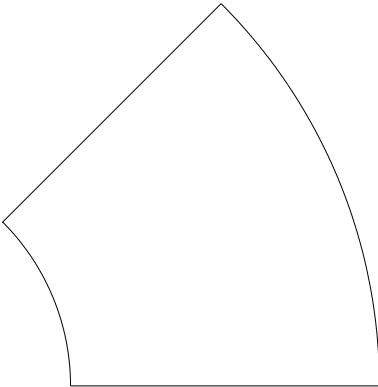
Dims	Options	Conn's
A=Height	Wrapper Length Adjust=0.000	
B=Throat Radius	Mirror=No	
C=Length Out		
D=Width Out		
E=Centre Radius		
F=Fixing Radius		
G=Radius Decrement		
H=Fixing Hole Diameter		
I=Number Of Holes		
J=Wrapper Depth		

Seams

Damper:

Pattern: 213

Standard



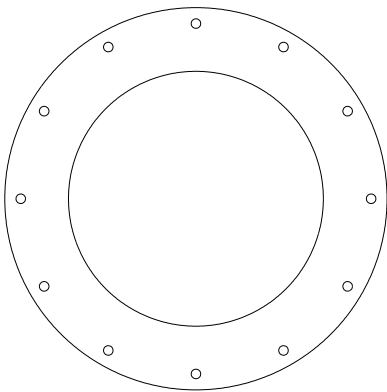
Dims	Options	Conn's
A=Inner Radius		
B=Angle		
C=Length		

Seams

Damper:

Pattern: 215

Standard



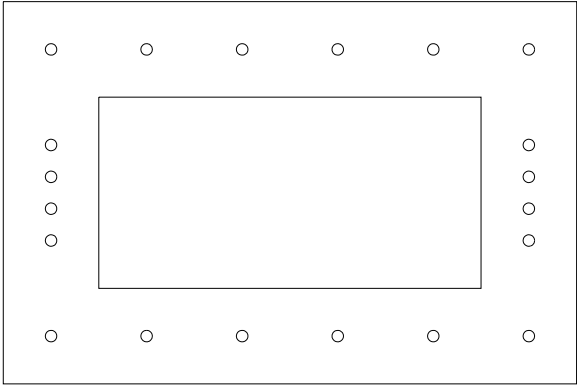
Dims	Options	Conn's
A=Outer Diameter	Number Of Parts=1	
B=Inner Diameter		
C=Fixing Diameter		
D=Hole Diameter		
E=Number Of Holes		
F=Hole Length		

Seams

Damper:

Pattern: 216

Standard



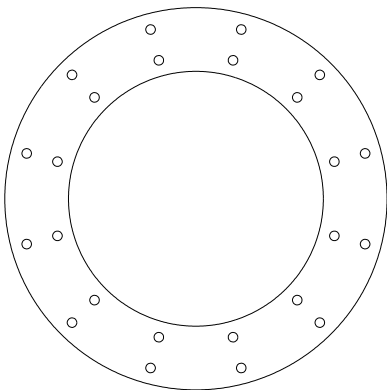
Dims	Options	Conn's
A=Length	Holes On Length=6	
B=Height	Holes On Height=6	
C=Length	Hole Diameter=0.480	
D=Height	Cut Corner Holes ?=Yes	
E=X-Offset	2 Parts=No	
F=Y-Offset		
G=X Distance		
H=Y Distance		
I=X-Offset		
J=Y-Offset		
K=Outside Corner Radius		

Seams

Damper:

Pattern: 218

Standard



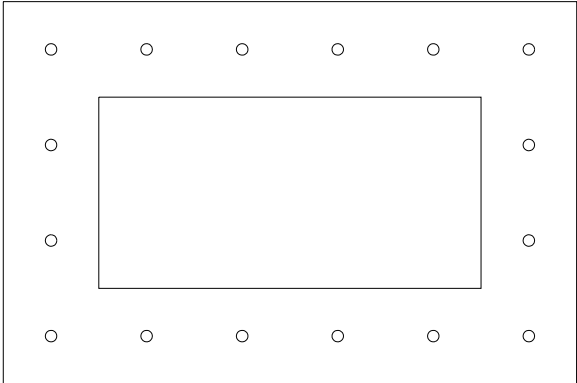
Dims	Options	Conn's
A=Outer Diameter		
B=Inner Diameter		
C=Fixing Diameter		
D=Hole Diameter		
E=Number Of Holes		
F=Hole Angle		
G=Fixing Diameter		
H=Hole Diameter		
I=Number Of Holes		
J=Hole Angle		
K=Hole Length		
L=Hole Length		

Seams

Damper:

Pattern: 220

Standard



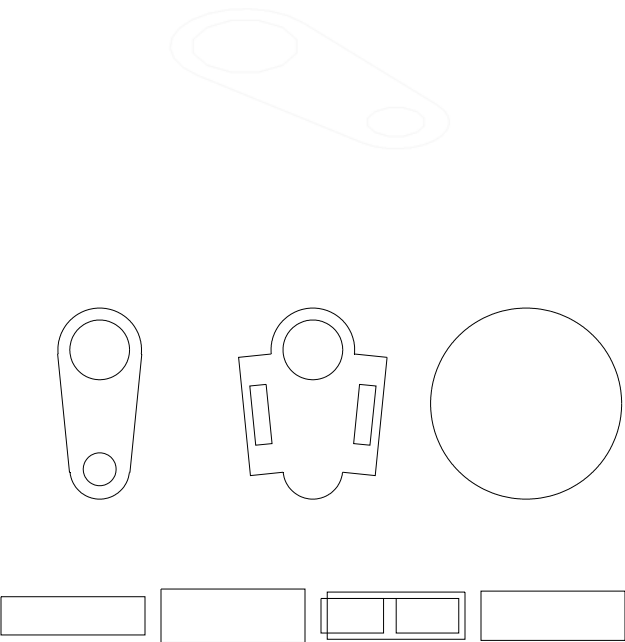
Dims	Options	Conn's
A=Length	Hole Diameter=0.480	
B=Height	Cut Corner Holes ?=Yes	
C=Length	2 Parts=No	
D=Height		
E=X-Offset		
F=Y-Offset		
G=X Distance		
H=Y Distance		
I=X-Offset		
J=Y-Offset		
K=Outside Corner Radius		

Seams

Damper:

Pattern: 221

Standard



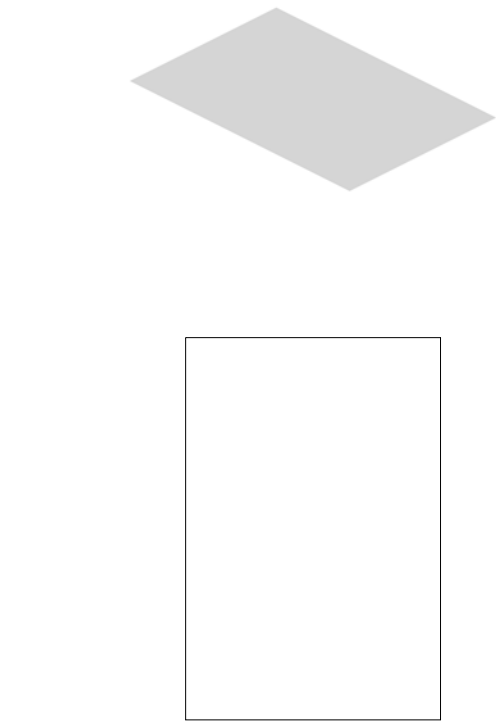
Dims		Options	Conn's
A=Height		Slotted Hole=Yes	
B=Y-Offset		Hole Diameter=0.000	
C=Top Radius		Slotted Hole=0	
D=Top Hole Diameter		Hole Spacing=0.000	
E=Bottom Radius		Adjust=0.000	
F=Bottom Hole Diameter			
G=Depth			
H=Plate Diameter #1			
I=P.C.D. #1			
J=Hole Diameter #1			
K=Number Of Holes #1			
L=Turnover			
M=Number Of Bolts #2			
N=Bolt Diameter #2			
O=Body Inset #2			
P=Hole Inset #2			
Q=Plate Border			

Seams

Damper:

Pattern: 222

Rectangular



Dims		Options	Conn's
A=Width	B=Depth	Notch=	C1=None
		Notch=	
		Notch=	
		Notch=	
		Use First For All=No	

Seams

Damper:

Pattern: 228

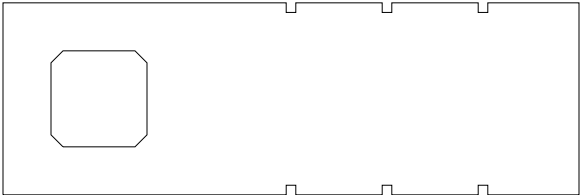
Standard



Dims	Options	Conn's
A=Width	Notch=	
B=Length #1	Notch=	
C=Length #2	Notch=	
D=Length #3	Notch=	
E=Length #4	Use First For All=No	
F=Hole Inset	Width=0.800	
G=Hole Offset	Depth=0.800	
H=Hole Width	Vee Notch Angle=45.000	
I=Hole Length	Cut Corner Holes ?=1.000	

Seams

Damper:



Pattern: 230

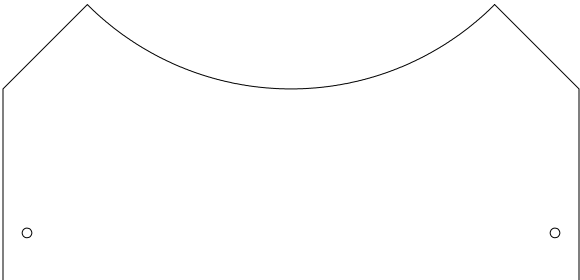
Standard



Dims	Options	Conn's
A=Width		
B=Height		
C=End Height		
D=Centre Radius		
E=Hole Diameter #1		
F=X-Offset #1		
G=Y-Offset #1		
H=Fixing Radius #2		
I=Number Of Holes #2		
J=Hole Diameter #2		
K=Hole Angle #2		

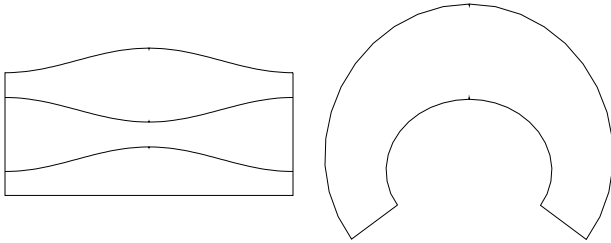
Seams

Damper:



Pattern: 231

Round



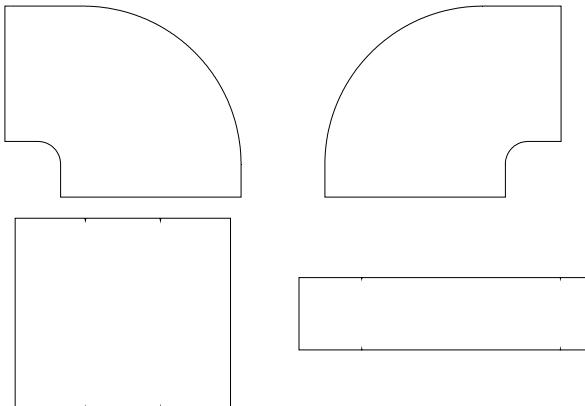
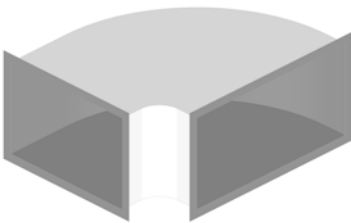
Dims	Options	Conn's
A=Bottom Diameter	Number Of Segments=4	C1=GRC_Swage-Male
B=Top Diameter	Seam Position=0.000	C2=GRC_Swage-Male
C=Inner Radius	Cross Break=1	C3=GRC_Swage-Male
D=Angle	Single Segments=No	
E=Bottom Extension	Bottom Diameter Type=Nominal	
F=Top Extension	Automatic Nest Break If Oversize=No	
G=Extension	Notch Angle For Seam=0	
	Nest Break Start Segment=0	
	Nest Break End Segment=0	
	Marker Type=Notch	
	Top Diameter Type=Nominal	
	Marker Depth=Default	
	Mark Sides=No	
	Leg Lengths=No	
	Fixing Holes On Extension=Yes	
	Square Outer Insulation=No	
	Outer Insulation Extensions=No	
	Splitters=0	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Splitter Shape=Angled	
	Splitter Type=Partial	
	Item Volume=Segmented	

Seams
S1=None

Damper: None
None

Pattern: 250

Rectangular



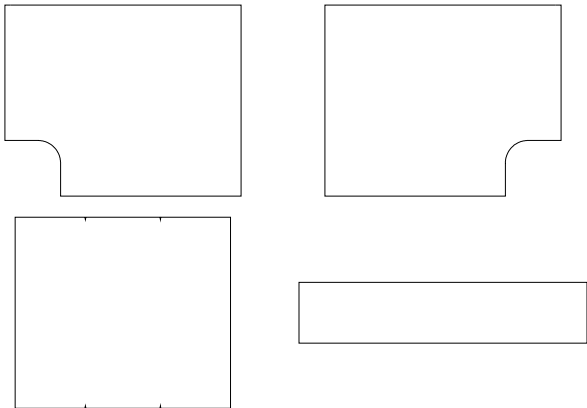
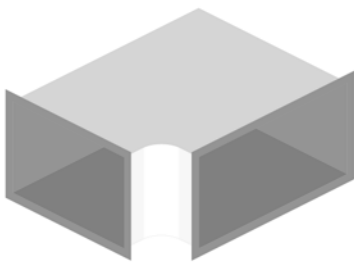
Dims	Options	Conn's
A=Top Width	Throat Type=Radius	C1=TDC
B=Depth	Length Adjust For Part 4=0.000	C2=TDC
C=Btm Width	Length Adjust For Part 3=0.000	
D=Angle	Vee Depth Male=Auto	
E=Top Inner Extension	Vee Depth Female=Auto	
F=Bottom Extension	Vee Angle Male=30	
G=Inner Radius	Vee Angle Female=30	
	Auto Oversize=Normal	
	Seam Number For Throat=	
	Leg Lengths=No	
	Allow Central Tie Rods=Yes	
	Riser Bend=No	
	Mark Splitter Sides=No	
	Insulation Parts=Same	
	Draw Custom Insulation=No	

Seams
S1=None

Damper:

Pattern: 251

Rectangular



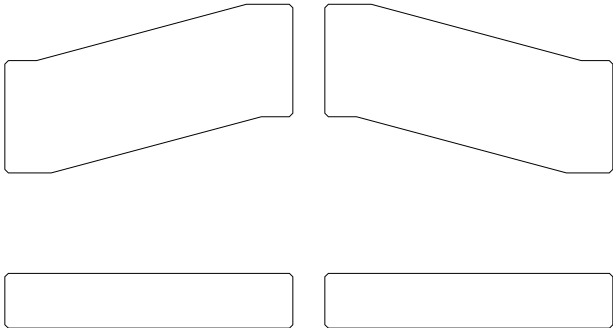
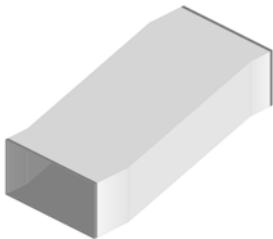
Dims	Options	Conn's
A=Top Width	Throat Type=Radius	C1=TDC
B=Depth	Length Adjust For Part 4=0.000	C2=TDC
C=Btm Width	Length Adjust For Part 3=0.000	
D=Top Inner Extension	Vee Depth Male=Auto	
E=Bottom Extension	Vee Depth Female=Auto	
F=Inner Radius	Vee Angle Male=30	
	Vee Angle Female=30	
	3 Parts=No	
	Auto Oversize=Normal	
	Seam Number For Throat=	
	Leg Lengths=No	
	Allow Central Tie Rods=Yes	
	Riser Bend=No	
	Mark Splitter Sides=No	
	Insulation Parts=Same	
	Draw Custom Insulation=No	

Seams
S1=None

Damper:

Pattern: 252

Rectangular



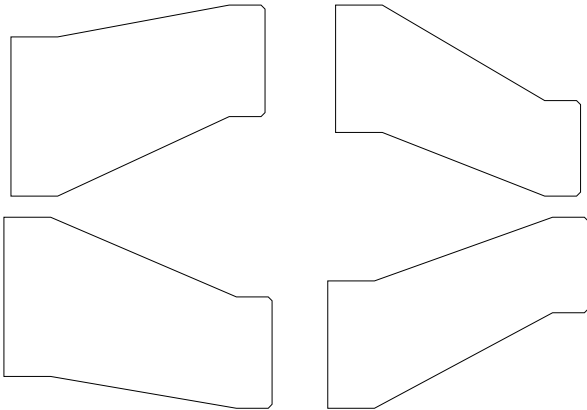
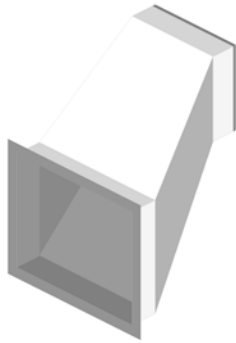
Dims	Options	Conn's
A=Width	Vee Depth Male=Auto	C1=S&D
B=Depth	Vee Depth Female=Auto	C2=S&D
C=Length	Vee Notch Angle=30.000	
D=Left Extension	Seam Cut Back=0.000	
E=Right Extension	Allow Central Tie Rods=No	
F=Offset Width	Insulation Parts=Same	
G=Angle	Split Mitre=No	
H=Left Extension		
I=Right Extension		
J=Right Width		

Seams
S1=None

Damper: None
None

Pattern: 253

Rectangular



Dims	Options	Conn's
A=Width In	2 Parts=No	C1=TDC
B=Depth In	3 Parts=No	C2=S&D
C=Width Out	Vee Depth Male=Auto	
D=Depth Out	Vee Depth Female=Auto	
E=Length	Vee Notch Angle=20.000	
F=Extension In	Taper Notch If Straight Edge (Female)=No	
G=Extension Out	Female Allow=Shortest Slope	
H=Offset Width	2-Sided Part Allowance=Auto	
I=Offset Depth	Estimated Width Out %age=Not Used	
J=Angle	Estimated Depth Out %age=Not Used	
	Offset Width=Left Out	
	Offset Depth=Top Up	
	Taper Notch If Straight Edge (Male)=No	
	Use Taper Notch For 2 Parts=Yes	
	Connector Fold Notch=Use Default	
	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
	Input=Length	
	Vee Notch Depth If Straight Edge (Female)...	
	Maximum Angle=180.000	
	Splitter Turnover=0.000	
	Splitter Extension=0.000	
	Splitter Adjust=0.000	
	Connector Fold Notch=Use Default	
	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
	Splitter Hole Diameter=0.000	
	Number Of Holes=0.000	
	Splitters=Half	
	Hole Inset=0.000	
	Fixing Holes on Turnover=No	

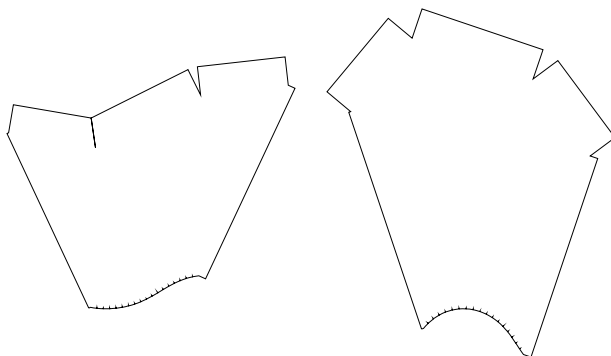
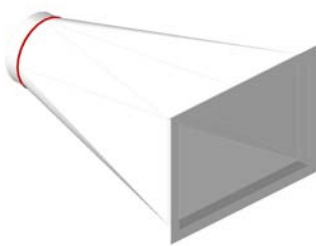
Seams

S1=None

Damper:

Pattern: 254

Rectangular/Round



Dims	Options	Conn's
A=Width	Cross Break=2	C1=TDC
B=Depth	Length Break=1	C2=GRC_Swage-Male
C=Diameter	Diameter Type=Nominal	
D=Length	Seam Position=Width	
E=Offset Width	Marker Type=Notch	
F=Offset Depth	Estimated Diameter %age=Not Used	
G=Extension	Input=Length	
H=Collar	Offset Width=Left In	
I=Corner Radius	Offset Depth=Bottom Up	
J=Slope Angle	Inlet=1	
	Outlet=2	
	Maximum Angle=180.000	
	Fold Notch Depth=Full Allowance	
	V Notch Rectangular Extension=No	
	Seam Cut Back=None	
	Cut Back Allowance (%)=50.000	
	2 Parts 90 Degrees Seam=No	

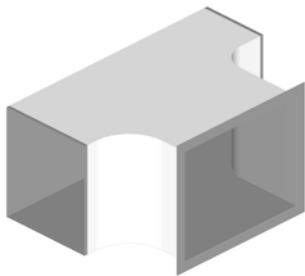
Seams

S1=PITTS-S

Damper: None

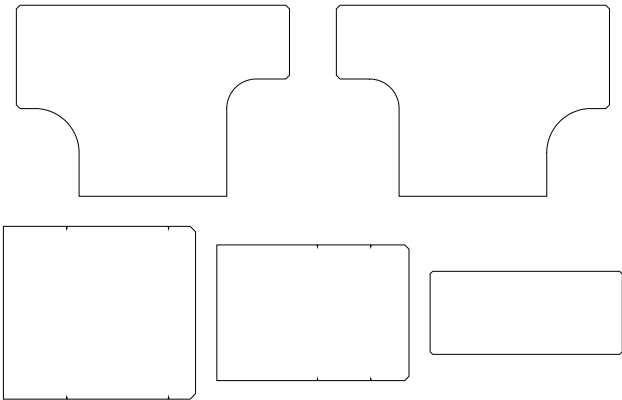
Pattern: 255

Rectangular



Dims	Options	Conn's
A=Btm Width	Throat Type=Radius	C1=TDC
B=Depth	3 Parts=No	C2=S&D
C=Left Width	Vee Depth Male=Auto	C3=S&D
D=Right Width	Vee Depth Female=Auto	
E=Right Radius	Vee Notch Angle=30.000	
F=Left Radius	Estimated Width Out %age=Not Used	
G=Bottom Extension	Hole Diameter=0.500	
H=Right Extension	Hole Spacing=2.000	
I=Left Extension	Splitters=No	
J=Splitter Distance	Inlet=1	
K=Left Width	Outlet=2	
L=Right Width	Insulation Parts=Same	
		Seams
		S1=None

Damper:



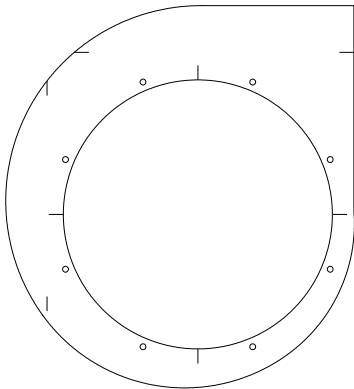
Pattern: 301

Standard



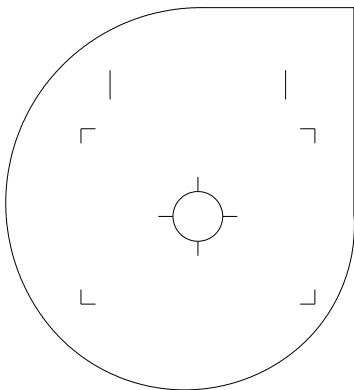
Dims	Options	Conn's
A=X Centre	Mirror=No	
B=B	Scribe Centres=Yes	
C=Y Centre	Scribe Stiffeners=Yes	
D=D	Scribe Lugs=Yes	
E=Diameter	Number Of Holes=8	
F=Y Stiffener	Hole Diameter=0.400	
G=X Stiffener		
H=J		
I=K		
J=L		
K=M		
L=N		
M=P		
N=P.C.D.		
O=Rotation		
		Seams

Damper:



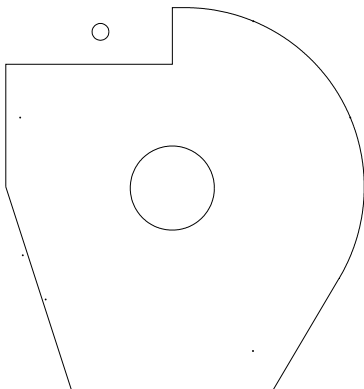
Pattern: 302

Standard



Pattern: 308

Standard



Dims	Options	Conn's
A=X Centre	Mirror=No	
B=B	Scribe Centres=Yes	
C=Y Centre	Scribe Stiffeners=Yes	
D=D	Scribe Lugs=Yes	
E=Diameter	Lugs X Centre=-6.000	
F=X Stiffener	Lugs Y Centre=10.000	
G=Y Stiffener	Lugs X Centre=6.000	
H=J	Lugs Y Centre=10.000	
I=K	Lugs Length=2.000	
J=L	Stiffeners X Size =16.000	
K=M	Stiffeners X Size =12.000	
L=N		Seams
M=P		
N=Rotation		

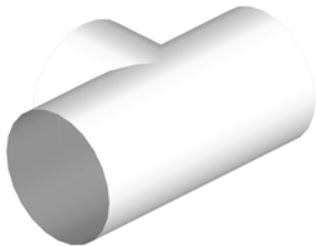
Damper:

Dims	Options	Conn's
A=Width	Bolts=0	
B=Depth	Hole Angle=0.000	
C=X Distance	Fixing Hole Diameter=Marked	
D=Y Distance	Hole Spacing=50	
E=Length #1	Hole Inset=100	
F=Angle #1	Cut Side=No	
G=Length #2		
H=Angle #2		
I=Length #3		
J=Angle #3		
K=Length #4		
L=Angle #4		Seams
M=Hole Angle		
N=Hole Diameter		
O=Inner Diameter		
P=P.C.D.		
Q=Bolt Diameter		
R=Base Height		
S=Right Length		
T=Left Length		
U=Rotation		

Damper:

Pattern: 309

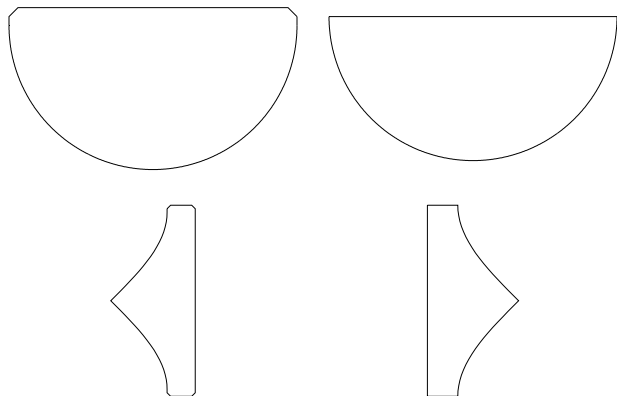
Round



Dims	Options	Conn's
A=Radius	Six Parts Left Lap=None	C1=S&D
B=Angle	Six Parts Right Lap=None	C2=None
C=Length	Seam Position=Left	C3=None
D=Front Hole Diameter		
E=Six Parts Left Height		
F=Six Parts Right Height		
G=Pipe Diameter		
H=Turnover Allowance		

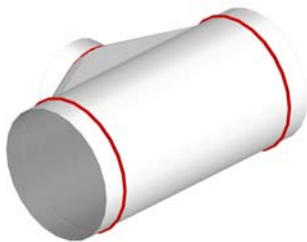
Seams
S1=None

Damper:



Pattern: 311

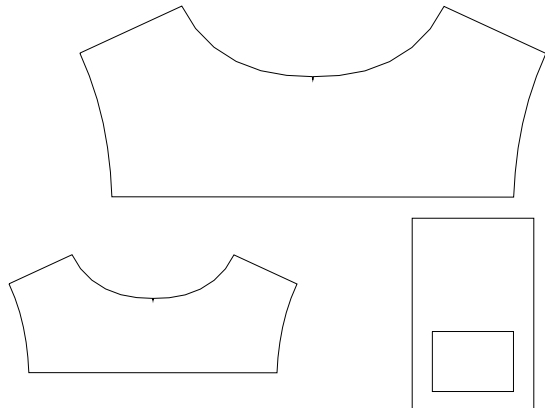
Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Branch Diameter Type=Nominal	C2=GRC_Swage-Male
C=Left Extension	Branch Diameter Type=Nominal	C3=GRC_Swage-Male
D=Right Extension	Hole Adjust=0.000	
E=Branch Diameter	Round Allowance To Pipe=0.000	
F=Branch Length	Flat Allowance To Pipe=0.000	
G=Branch Width	Seam Position=0.000	
H=Distance	Pipe Parts=1	
I=Distance	Branch Parts=2	
J=Offset	Branch Seam Position=Sides	
K=Collar	Flat Right=No	
	Inlet=1	
	Outlet=2	

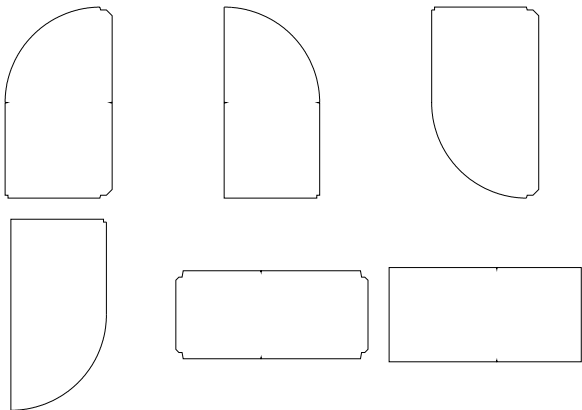
Seams
S1=None
S2=None

Damper:



Pattern: 313

Rectangular



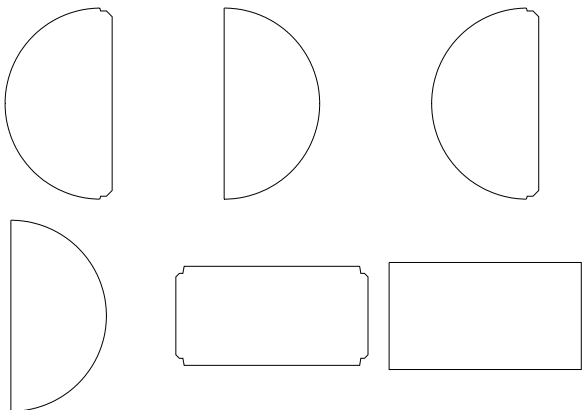
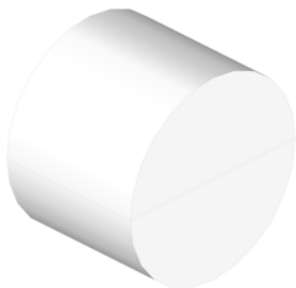
Dims	Options	Conn's
A=Radius	Six Parts Left Lap=None	C1=S&D
B=Depth	Six Parts Right Lap=None	C2=None
C=Angle	Vee Depth Female=0.000	C3=None
D=Length	Vee Angle Female=30.000	
E=Front Hole Diameter	Allowance=Left	
F=Back Hole Diameter		
G=Six Parts Left Height		
H=Six Parts Right Height		

Seams
S1=PIITS-S
S2=PIITS-S

Damper:

Pattern: 314

Rectangular



Dims	Options	Conn's
A=Radius	Six Parts Left Lap=None	C1=S&D
B=Angle	Six Parts Right Lap=None	C2=None
C=Length	Vee Depth Male=0.000	C3=None
D=Front Hole Diameter	Vee Angle Male=180.000	
E=Back Hole Diameter	Vee Depth Female=0.000	
F=Six Parts Left Height	Vee Angle Female=30.000	
G=Six Parts Right Height	Allowance=Left	

Seams
S1=PIITS-S
S2=PIITS-S

Damper:

Pattern: 315

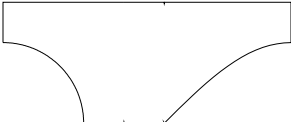
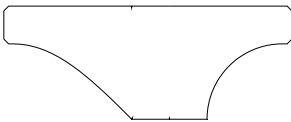
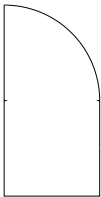
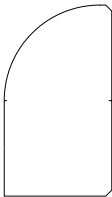
Round



Dims	Options	Conn's
A=Radius	Six Parts Left Lap=None	C1=S&D
B=Depth	Six Parts Right Lap=None	C2=None
C=Angle	Vee Depth Female=0.000	C3=None
D=Length	Vee Angle Female=30.000	
E=Front Hole Diameter	Allowance=Left	
F=Six Parts Left Height		
G=Six Parts Right Height		
H=Pipe Diameter		
I=Turnover Allowance		

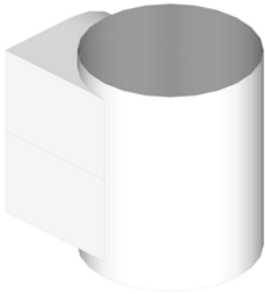
Seams
S1=None

Damper:



Pattern: 316

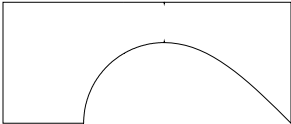
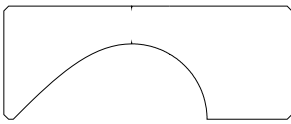
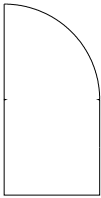
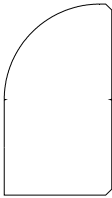
Round



Dims	Options	Conn's
A=Radius	Six Parts Left Lap=None	C1=S&D
B=Depth	Six Parts Right Lap=None	C2=None
C=Angle	Vee Depth Female=0.000	C3=None
D=Length	Vee Angle Female=30.000	
E=Front Hole Diameter	Allowance=Left	
F=Six Parts Left Height		
G=Six Parts Right Height		
H=Pipe Diameter		
I=Turnover Allowance		

Seams
S1=None

Damper:



Pattern: 317

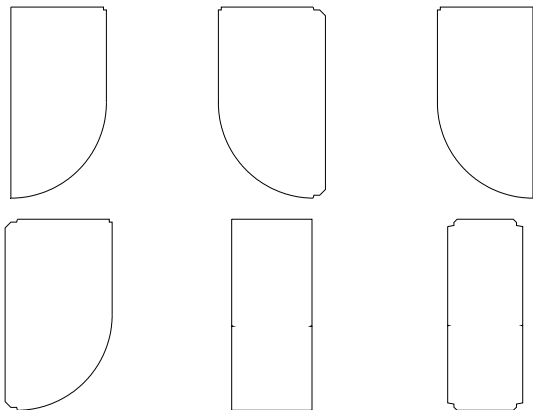
Rectangular



Dims	Options	Conn's
A=Radius	Six Parts Left Lap=None	C1=S&D
B=Depth	Six Parts Right Lap=None	C2=None
C=Length	Clip Holes=No	C3=None
D=Angle	Vee Depth Male=0.000	
E=Hole Diameter	Vee Angle Male=180.000	
F=Hole Diameter	Vee Depth Female=0.000	
G=Six Parts Left Height	Vee Angle Female=30.000	
H=Six Parts Right Height	Alternate Weathering=No	
	Holes CAD Nodes=No	
	Ensure Center Closed=No	

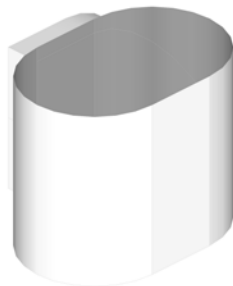
Seams
S1=PIITS-S
S2=PIITS-S

Damper:



Pattern: 318

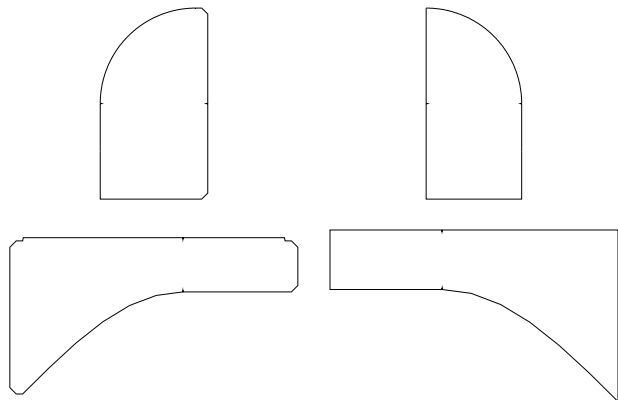
Flat Oval



Dims	Options	Conn's
A=Radius	Six Parts Left Lap=None	C1=S&D
B=Depth	Six Parts Right Lap=None	C2=None
C=Length	Vee Depth Female=0.000	C3=None
D=Front Hole Diameter	Vee Angle Female=30.000	
E=Six Parts Left Height	Allowance=Left	
F=Six Parts Right Height		
G=Turnover Allowance		

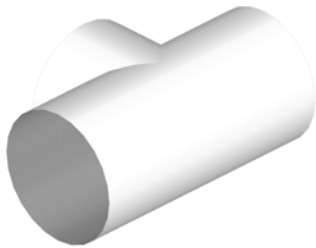
Seams
S1=1/2 Lap (F)

Damper:



Pattern: 319

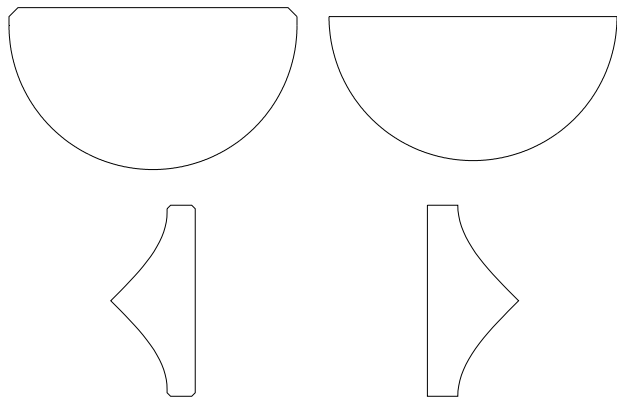
Round



Dims	Options	Conn's
A=Radius	Six Parts Left Lap=None	C1=S&D
B=Length	Six Parts Right Lap=None	C2=None
C=Front Hole Diameter	Seam Position=Left	C3=None
D=Six Parts Left Height		
E=Six Parts Right Height		
F=Pipe Diameter		
G=Turnover Allowance		

Seams
S1=None

Damper:



Pattern: 320

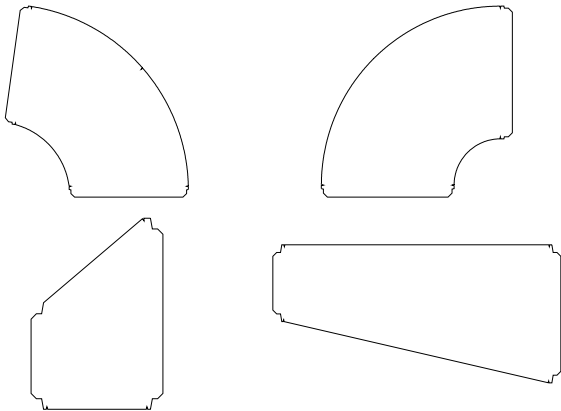
Rectangular



Dims	Options	Conn's
A=Btm Width	Throat Type=Radius	C1=S&D
B=Btm Depth	Vee Depth Male=Auto	C2=S&D
C=Top Depth	Vee Depth Female=Auto	
D=Angle	Vee Angle Male=30	
E=Top Extension	Vee Angle Female=30	
F=Bottom Extension	Allow Central Tie Rods=Yes	
G=Inner Radius	Straight Edge Wrappers=No	
	Splitters=0	
	Splitter Slit Angle=10.000	
	Intersect Splitter Holes=No	

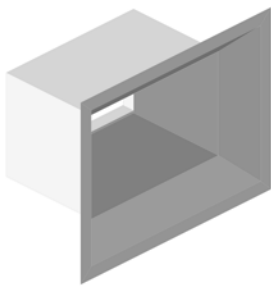
Seams
S1=PIITS-S

Damper:



Pattern: 321

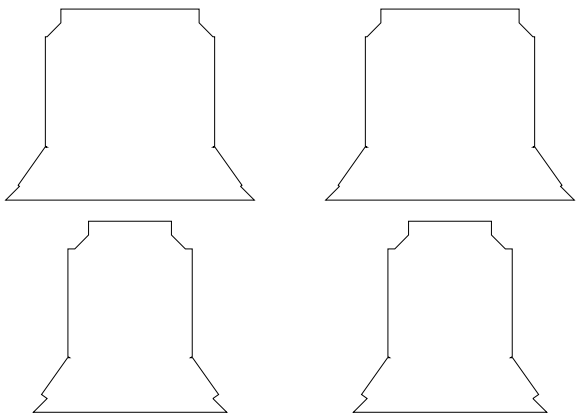
Rectangular



Dims	Options	Conn's
A=Width	Rotation=0.000	C1=None
B=Depth		C2=None
C=Height		
D=Base Height		
E=Base Angle		
F=Flange		
G=Turnover		
H=Turnover		
I=Straight		

Seams
S1=PITTS-S

Damper:



Pattern: 322

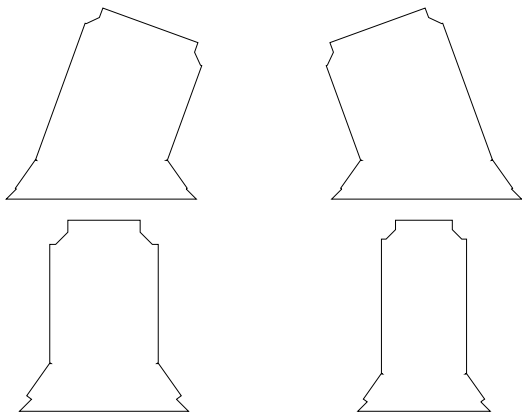
Rectangular



Dims	Options	Conn's
A=Width	X Pitch=Slope Angle Rotation=0.000	C1=None
B=Depth		C2=None
C=Height		
D=Angle		
E=Base Height		
F=Base Angle		
G=Flange		
H=Turnover		
I=Turnover		

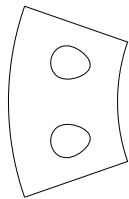
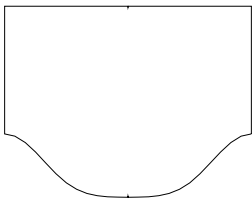
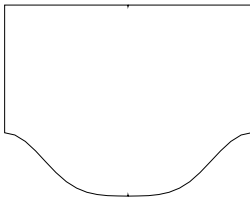
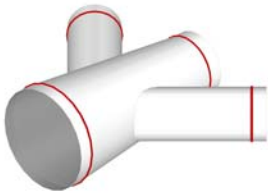
Seams
S1=PITTS-S

Damper:



Pattern: 323

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Diameter	Branch Parts=1	C2=GRC_Swage-Male
C=Pipe Length	First Break=0.000	C3=GRC_Swage-Male
D=Left Extension	Second Break=0.000	C4=GRC_Swage-Male
E=Right Extension	Third Break=0.000	
F=Branch Diameter #1	Seam Position=180.000	
G=Angle #1	Diameter Type BE=Nominal	
H=Inset #1	Diameter Type SE=Nominal	
I=Extension #1	Branch Diameter Type=Nominal	
J=Branch Diameter #2	Branch Diameter Type=Nominal	
K=Angle #2	Hole Adjust=0.000	
L=Inset #2	Branch Allowance To Pipe=0.000	
M=Extension #2	Branch Seam Position=0.000	
	Throat Cut Back (Degrees)=0.000	
	Estimated Diameter %age=Not Used	
	Cut Back Allowance (%)=0.000	
	End Castle Width =0.000	
	End Castle Angle=30.000	

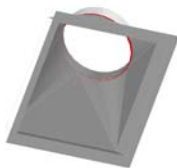
Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 324

Rectangular/Round

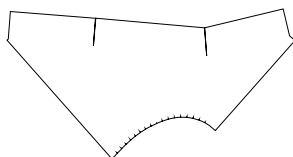
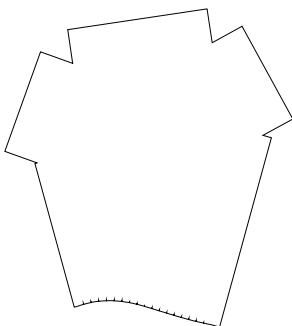


Dims	Options	Conn's
A=Width	Cross Break=2	C1=TDC
B=Depth	Length Break=1	C2=GRC_Swage-Male
C=Diameter	Diameter Type=Nominal	
D=Offset Width	Seam Position=Width	
E=Offset Depth	Marker Type=Notch	
F=Extension	Estimated Diameter %age=Not Used	
G=Collar	Offset Width=Left In	
H=Round Angle	Offset Depth=Bottom Up	
I=Twist Angle	Inlet=1	
J=Inner Radius	Outlet=2	
K=Corner Radius	Fold Notch Depth=Full Allowance	
	V Notch Rectangular Extension=No	
	Seam Cut Back=None	
	Cut Back Allowance (%)=50.000	
	2 Parts 90 Degrees Seam=No	

Seams

S1=PITTS-S

Damper: None



Pattern: 325

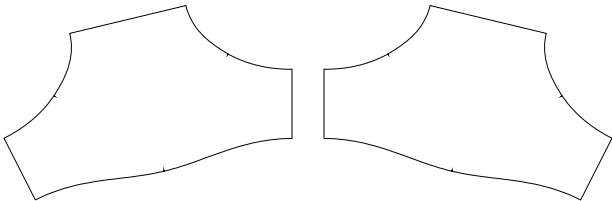
Round



Dims	Options	Conn's
A=Bottom Diameter	Bottom Diameter Type=Nominal	C1=GRC_Swage-Male
B=Left Diameter	Left Diameter Type=Nominal	C2=GRC_Swage-Male
C=Right Diameter	Right Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Angle	2 Parts=Yes	
E=Right Angle		
F=Left Length		
G=Right Length		
H=Bottom Collar		
I=Left Collar		
J=Right Collar		

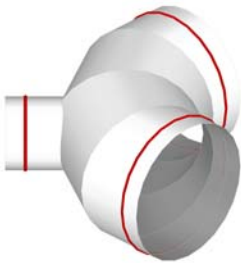
Seams
S1=None

Damper:



Pattern: 326

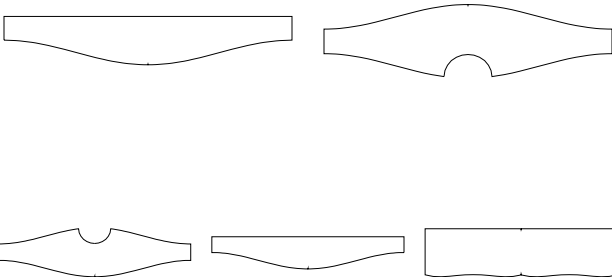
Round



Dims	Options	Conn's
A=Diameter	Number Of Segments=4	C1=GRC_Swage-Male
B=Inner Radius	Seam Position=0.000	C2=GRC_Swage-Male
C=Angle	Pipe Diameter Type=Nominal	C3=GRC_Swage-Male
D=Bottom Extension	Branch Diameter Type=Nominal	C4=GRC_Swage-Male
E=Top Extension	Marker Type=Notch	
F=Branch Diameter	Tap Segment=2	
G=Branch Length	Branch Allowance To Pipe=0.000	
H=Branch Angle	Full Intersections=No	
I=Branch Extension	Item Volume=Segmented	
J=X-Offset		
K=Y-Offset		
L=Branch Inset		

Seams
S1=None
S2=None

Damper:



Pattern: 327

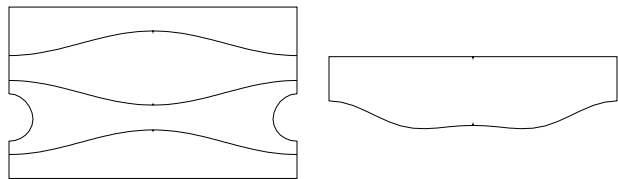
Round



Dims	Options	Conn's
A=Diameter	Number Of Segments=4	C1=GRC_Swage-Male
B=Inner Radius	Seam Position=0.000	C2=GRC_Swage-Male
C=Angle	Single Segments=No	C3=GRC_Swage-Male
D=Bottom Extension	Pipe Diameter Type=Nominal	C4=GRC_Swage-Male
E=Top Extension	Branch Diameter Type=Nominal	
F=Branch Diameter	Marker Type=Notch	
G=Branch Length	Tap Segment=2	
H=Branch Angle	Branch Allowance To Pipe=0.000	
I=Branch Extension	Full Intersections=No	
J=X-Offset	Item Volume=Segmented	
K=Y-Offset		
L=Branch Inset		

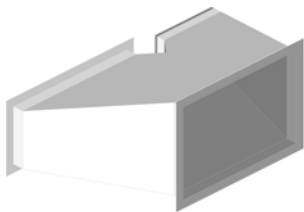
Seams
S1=None
S2=None

Damper:



Pattern: 328

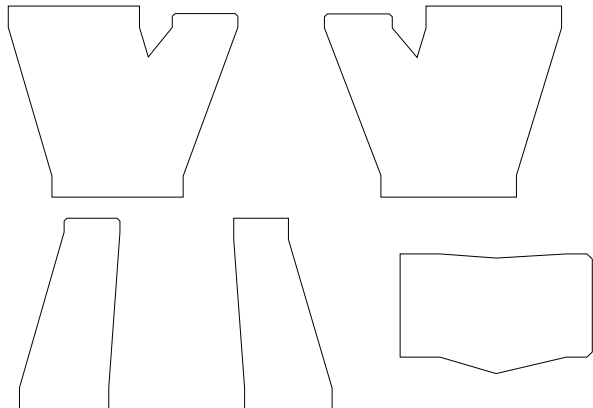
Rectangular



Dims	Options	Conn's
A=Btm Width	Vee Depth Male=Auto	C1=TDC
B=Btm Depth	Vee Depth Female=Auto	C2=TDC
C=Left Width	Vee Angle Male=30	C3=S&D
D=Right Width	Vee Angle Female=30	
E=Top Depth	Offset Depth=Bottom Up	
F=Height	Offset Width=Left In	
G=Offset		
H=Offset Width		
I=Offset Depth		
J=Bottom Extension		
K=Top Extension		
L=Branch Height		
M=Left Mitre Length		
N=Right Mitre Length		

Seams
S1=None
S2=None

Damper:



Pattern: 329

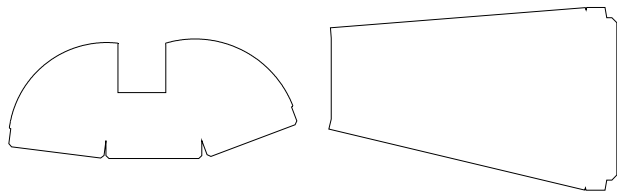
Rectangular



Dims	Options	Conn's
A=Btm Width	Wrapper Length Adjust=0.000	C1=S&D
B=Btm Depth	Turnover Allowance=0.000	C2=S&D
C=Height	Vee Notch Angle=5.000	
D=Hole Width	Develop Parts=2	
E=Hole Length		
F=Offset		
G=Bottom Extension		
H=Hole Offset		

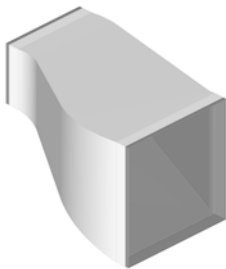
Seams
S1=PITTS-S

Damper:



Pattern: 330

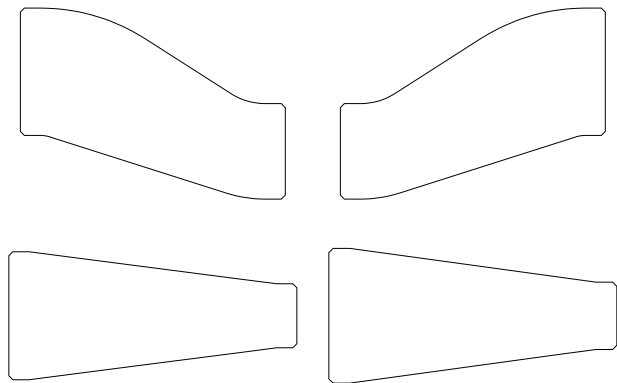
Rectangular



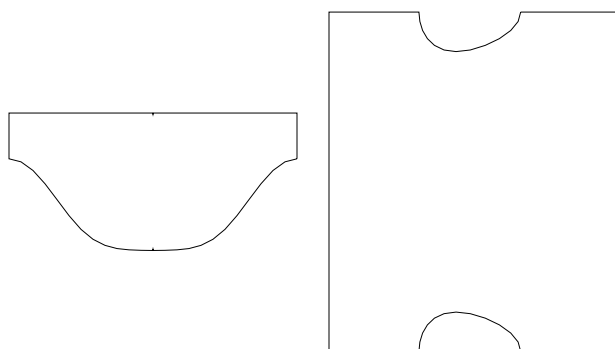
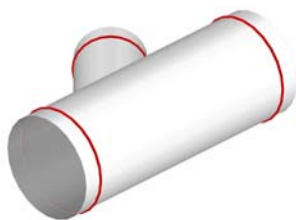
Dims	Options	Conn's
A=Width In	Vee Depth Male=Auto	C1=S&D
B=Depth In	Vee Depth Female=Auto	C2=S&D
C=Width Out	Vee Angle Male=30	
D=Depth Out	Vee Angle Female=30	
E=Length	Offset Width=Left In	
F=Extension In	Offset Depth=Top Down	
G=Extension Out	Restricted Flow=Warning	
H=Offset Width	Seam Cut Back=0.000	
I=Offset Depth	Allow Central Tie Rods=No	
J=Left Radius	Wraps V Notch If Zero Radius=No	
K=Right Radius	New 3D And Develops=No	
	Separate Extension In=No	

Seams
S1=None

Damper:

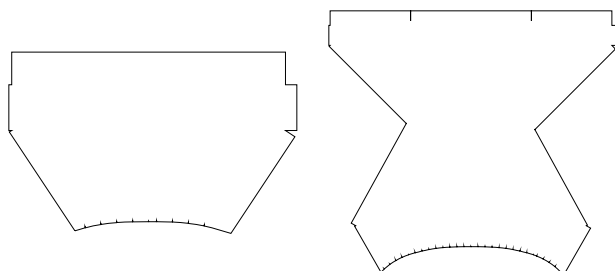
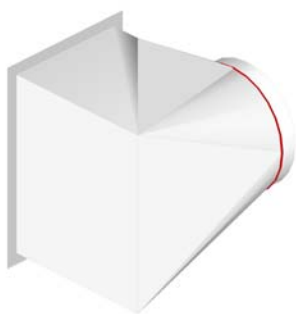


Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	First Break=0.000	C3=GRC_Swage-Male
D=Right Extension	Second Break=0.000	
E=Branch Diameter #1	Third Break=0.000	
F=Branch Length #1	Pipe Diameter Type=Nominal	
G=Angle #1	Branch Diameter Type=Nominal	
H=Inset #1	Hole Adjust=0.000	
I=Extension #1	Branch Allowance To Pipe=0.000	
	Branch Seam Position=0.000	
	Throat Cut Back (Degrees)=0.000	
	Plate Border (Circumference)=0.000	
	Plate Type=Rectangular	S1=None
	Estimated Diameter %age=Not Used	S2=None
	Cut Back Allowance (%)=0.000	
	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	
	End Castle Width =0.000	Damper: None
	End Castle Angle=30.000	None

Rectangular/Round

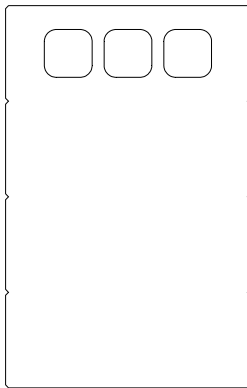
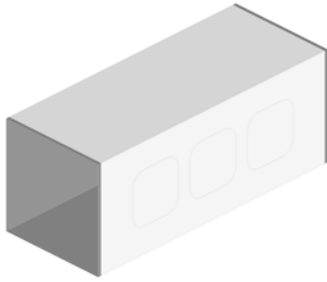


Dims	Options	Conn's
A=Width	Diameter Type=Nominal	C1=TDC
B=Depth	Marker Type=Notch	C2=GRC_Swage-Male
C=Diameter		
D=Length		
E=Extension		
F=End Height		
G=Offset		
H=Collar		
I=Bottom Chamfer		
J=Back Chamfer		
		Seams
		S1=PITTS-S
		S2=PITTS-S

Damper:

Pattern: 340

Rectangular



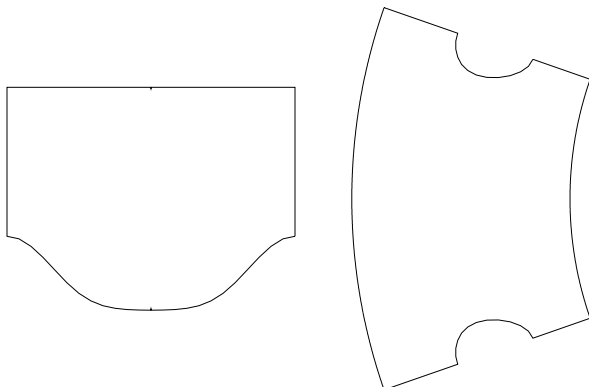
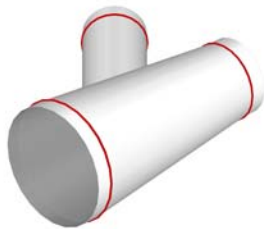
Dims	Options	Conn's
A=Width	Straight Type=1 Part Straight	C1=S&D
B=Depth	Hole Type=Right	C2=S&D
C=Length	Hole Type=Right	
D=Hole Inset #1	Hole Type=Right	
E=Hole Offset #1	Female Allow=Shortest Side	
F=Hole Length #1	1xU,1xI=Shortest Side	
G=Hole Width #1	Connector Fold Notch=Use Default	
H=Hole Radius #1	Vee Notch Depth=Auto	
I=Hole Inset #2	Vee Notch Angle=30.000	
J=Hole Offset #2	Connector Fold Notch=Use Default	
K=Hole Length #2	Vee Notch Depth=Auto	
L=Hole Width #2	Vee Notch Angle=30.000	
M=Hole Radius #2	Beading=No	
N=Hole Inset #3	Insulation Parts=Same	
O=Hole Offset #3	Insulation UI=Shortest Side	
P=Hole Length #3		
Q=Hole Width #3		
R=Hole Radius #3		

Seams
S1=None

Damper:

Pattern: 341

Round



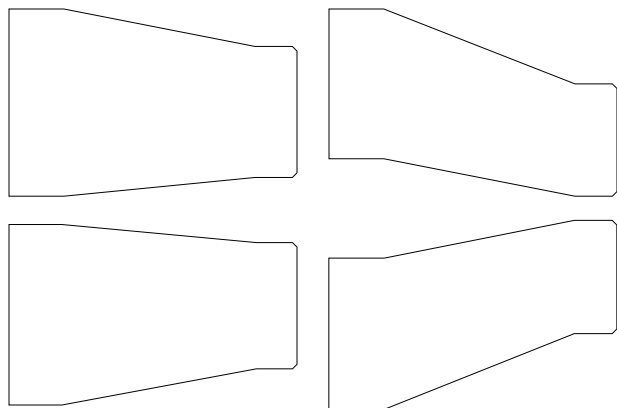
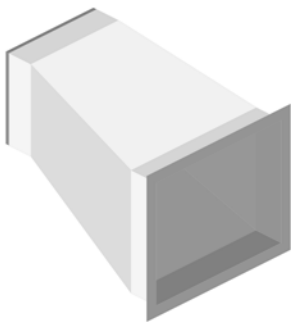
Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Diameter	Branch Parts=1	C2=GRC_Swage-Male
C=Pipe Length	First Break=0.000	C3=GRC_Swage-Male
D=Left Extension	Second Break=0.000	
E=Right Extension	Third Break=0.000	
F=Branch Diameter #1	Seam Position=90.000	
G=Angle #1	Diameter Type BE=Nominal	
H=Inset #1	Diameter Type SE=Nominal	
I=Extension #1	Branch Diameter Type=Nominal	
	Hole Adjust=0.000	
	Branch Allowance To Pipe=0.000	
	Branch Seam Position=0.000	
	Throat Cut Back (Degrees)=0.000	
	Estimated Diameter %age=Not Used	
	Cut Back Allowance (%)=0.000	
	End Castle Width =0.000	
	End Castle Angle=30.000	

Seams
S1=None
S2=None

Damper: None
None
None

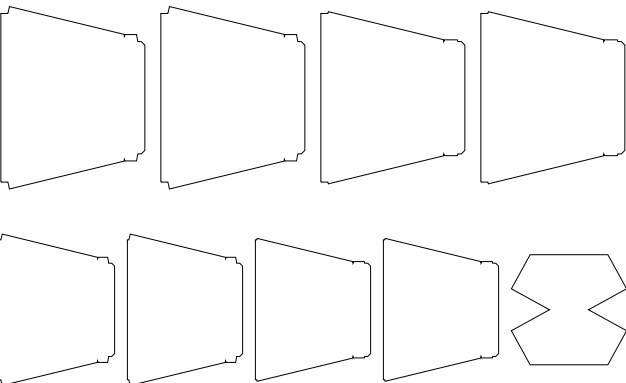
Pattern: 342

Rectangular



Pattern: 343

Rectangular



Dims	Options	Conn's
A=Width In	2 Parts=No	C1=TDC
B=Depth In	3 Parts=No	C2=S&D
C=Width Out	Vee Depth Male=Auto	
D=Depth Out	Vee Depth Female=Auto	
E=Length	Vee Notch Angle=20.000	
F=Extension In	Taper Notch If Straight Edge (Female)=No	
G=Extension Out	Female Allow=Shortest Slope	
H=Offset Width	2-Sided Part Allowance=Auto	
I=Offset Depth	Estimated Width Out %age=Not Used	
J=Angle	Estimated Depth Out %age=Not Used	
	Offset Width=Left In	
	Offset Depth=Bottom Up	
	Taper Notch If Straight Edge (Male)=No	
	Use Taper Notch For 2 Parts=Yes	
	Connector Fold Notch=Use Default	
	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
	Input=Length	
	Vee Notch Depth If Straight Edge (Female)...	
	Maximum Angle=180.000	
	Splitter Turnover=0.000	
	Splitter Extension=0.000	
	Splitter Adjust=0.000	
	Connector Fold Notch=Use Default	
	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
	Splitter Hole Diameter=0.000	
	Number Of Holes=0.000	
	Splitters=Half	
	Hole Inset=0.000	
	Fixing Holes on Turnover=No	

Seams

S1=None

Damper:

Dims	Options	Conn's
A=Btm Width	Turnover Allowance=0.000	C1=S&D
B=Btm Depth	Body Allowance=0.000	C2=S&D
C=Centre Width	Plate Allowance=0.000	
D=Centre Depth	Number Of Struts=0	
E=Top Width	4 Parts=No	
F=Top Depth		
G=Height		
H=Height		
I=Width		
J=Depth		
K=Width		
L=Height		
M=Bottom Extension		
N=Top Extension		
O=Plate Depth		

Seams

S1=PIITS-S

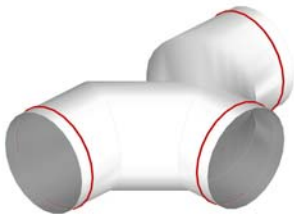
S2=PIITS-S

S3=PIITS-S

Damper:

Pattern: 344

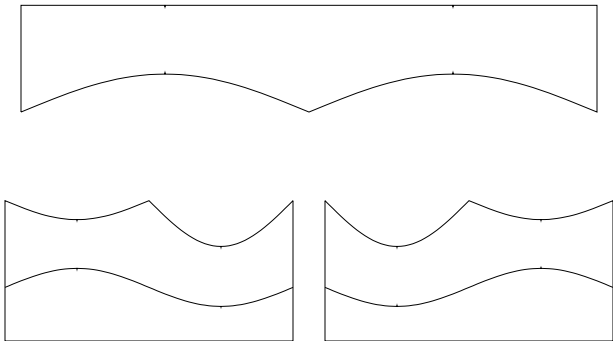
Round



Dims	Options	Conn's
A=Diameter	Diameter Type=Nominal	C1=GRC_Swage-Male
B=Length In	Single Segments=No	C2=GRC_Swage-Male
C=Length Out	Marker Type=Notch	C3=GRC_Swage-Male
D=X-Offset		C4=GRC_Swage-Male
E=Y-Offset		C5=GRC_Swage-Male
F=Extension In		
G=Extension Out		

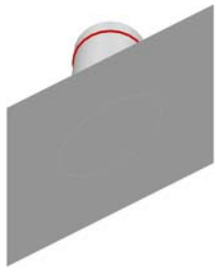
Seams
S1=None

Damper:



Pattern: 345

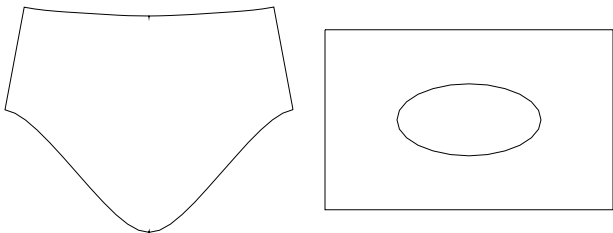
Round



Dims	Options	Conn's
A=Hole Diameter	Branch Parts=1	C1=GRC_Swage-Male
B=Branch Diameter	Plate Parts=1	C2=None
C=Length	Seam Position=0.000	
D=Angle	Hole Type=Oval	
E=Plate Width	Hole Adjust=0.000	
F=Plate Depth	Diameter Type=Nominal	
G=Offset Width	Turnover=0.000	
H=Offset Depth	Item Pattern Length/Angle=Length	
I=Collar	Use Marker Notch (OM End)=Yes	
J=Hole Depth	Notch Hole Ends=No	
K=Bottom Width	Dynamic Hole Adjust=Auto	

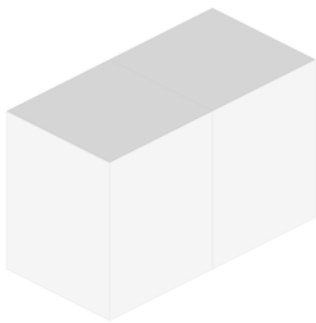
Seams
S1=None
S2=None

Damper: None



Pattern: 346

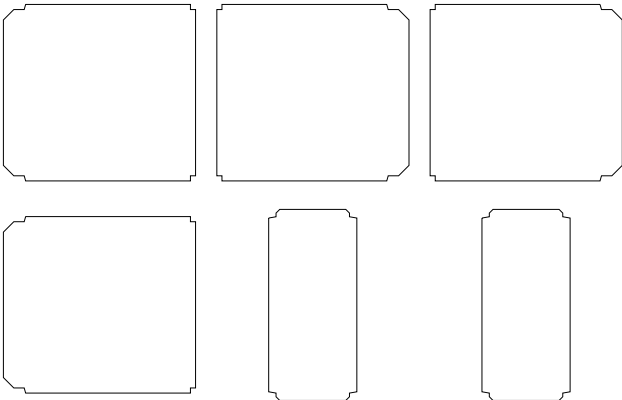
Rectangular



Dims	Options	Conn's
A=Right Width	Six Parts Left Lap=None	C1=S&D
B=Depth	Six Parts Right Lap=None	C2=None
C=Length	Clip Holes=No	C3=None
D=Six Parts Left Height	Vee Depth Male=0.000	
E=Six Parts Right Height	Vee Angle Male=180.000	
	Vee Depth Female=0.000	
	Vee Angle Female=30.000	
	Alternate Weathering=No	
	Holes CAD Nodes=No	
	Ensure Center Closed=No	

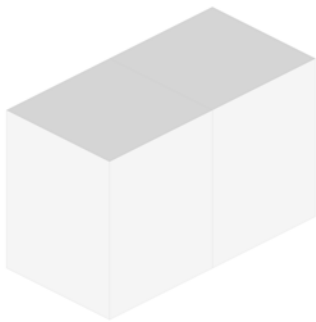
Seams
S1=PITTS-S
S2=PITTS-S

Damper:



Pattern: 347

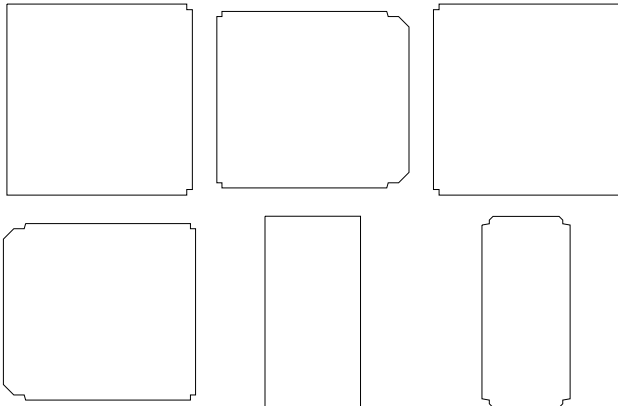
Rectangular



Dims	Options	Conn's
A=Right Width	Six Parts Left Lap=None	C1=S&D
B=Depth	Six Parts Right Lap=None	C2=None
C=Length	Clip Holes=No	C3=None
D=Six Parts Left Height	Vee Depth Male=0.000	
E=Six Parts Right Height	Vee Angle Male=180.000	
	Vee Depth Female=0.000	
	Vee Angle Female=30.000	
	Alternate Weathering=No	
	Holes CAD Nodes=No	
	Ensure Center Closed=No	

Seams
S1=PITTS-S
S2=PITTS-S

Damper:



Pattern: 348

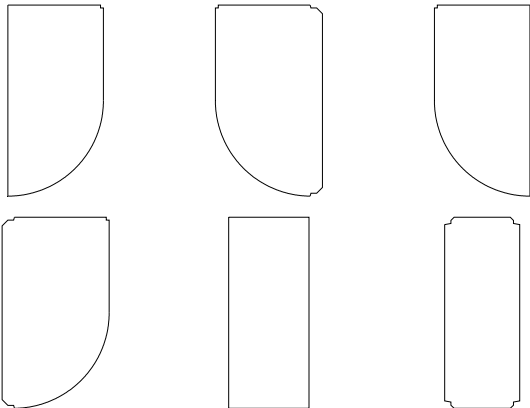
Rectangular



Dims	Options	Conn's
A=Radius	Six Parts Left Lap=None	C1=S&D
B=Height	Six Parts Right Lap=None	C2=None
C=Length	Clip Holes=No	C3=None
D=Six Parts Left Height	Vee Depth Male=0.000	
E=Six Parts Right Height	Vee Angle Male=180.000	
	Vee Depth Female=0.000	
	Vee Angle Female=30.000	
	Alternate Weathering=No	
	Holes CAD Nodes=No	
	Ensure Center Closed=No	

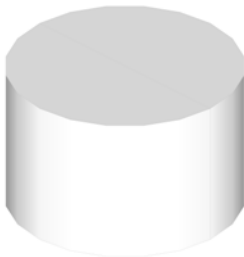
Seams
S1=PIITS-S
S2=PIITS-S

Damper:



Pattern: 349

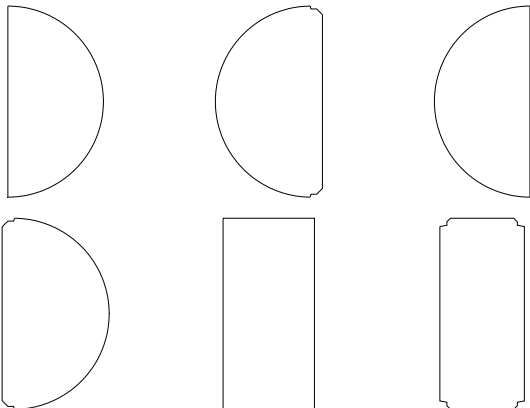
Rectangular



Dims	Options	Conn's
A=Radius	Six Parts Left Lap=None	C1=S&D
B=Length	Six Parts Right Lap=None	C2=None
C=Six Parts Left Height	Clip Holes=No	C3=None
D=Six Parts Right Height	Alternate Weathering=No	
	Holes CAD Nodes=No	
	Ensure Center Closed=No	

Seams
S1=PIITS-S
S2=PIITS-S

Damper:



Pattern: 350

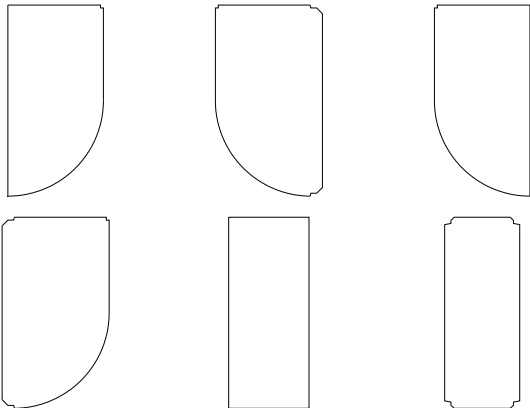
Rectangular



Dims		Options	Conn's
A=Radius	B=Height	Six Parts Left Lap=None	C1=S&D
C=Length		Six Parts Right Lap=None	C2=None
		Clip Holes=No	C3=None
		Vee Depth Male=0.000	
		Vee Angle Male=180.000	
		Vee Depth Female=0.000	
		Vee Angle Female=30.000	
		Alternate Weathering=No	
		Holes CAD Nodes=No	
		Ensure Center Closed=No	

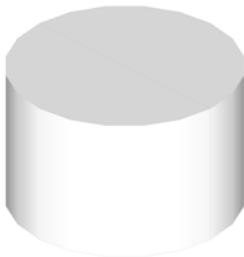
Seams
S1=PITTS-S
S2=PITTS-S

Damper:



Pattern: 351

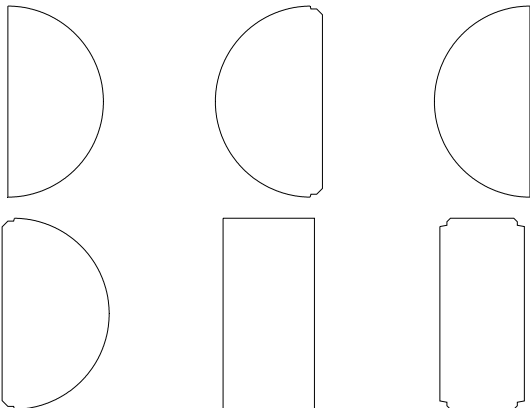
Rectangular



Dims		Options	Conn's
A=Radius	B=Length	Six Parts Left Lap=None	C1=S&D
		Six Parts Right Lap=None	C2=None
		Clip Holes=No	C3=None
		Alternate Weathering=No	
		Holes CAD Nodes=No	
		Ensure Center Closed=No	

Seams
S1=PITTS-S
S2=PITTS-S

Damper:



Pattern: 352

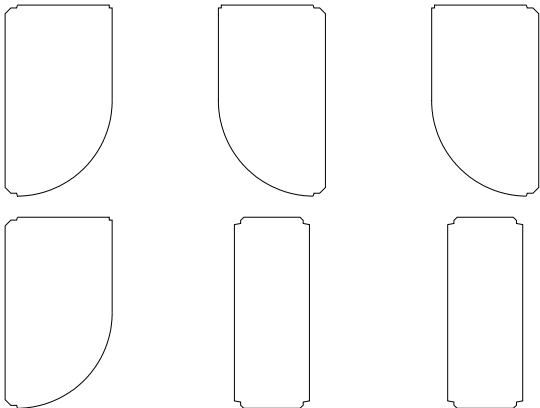
Rectangular



Dims	Options	Conn's
A=Radius	Six Parts Left Lap=None	C1=S&D
B=Height	Six Parts Right Lap=None	C2=None
C=Length	Clip Holes=No	C3=None
D=Six Parts Left Height	Vee Depth Male=0.000	
E=Six Parts Right Height	Vee Angle Male=180.000	
	Vee Depth Female=0.000	
	Vee Angle Female=30.000	
	Alternate Weathering=No	
	Holes CAD Nodes=No	
	Ensure Center Closed=No	

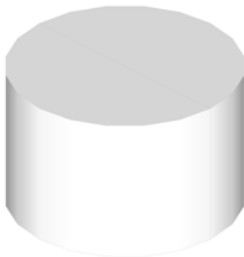
Seams
S1=PIITS-S
S2=PIITS-S

Damper:



Pattern: 353

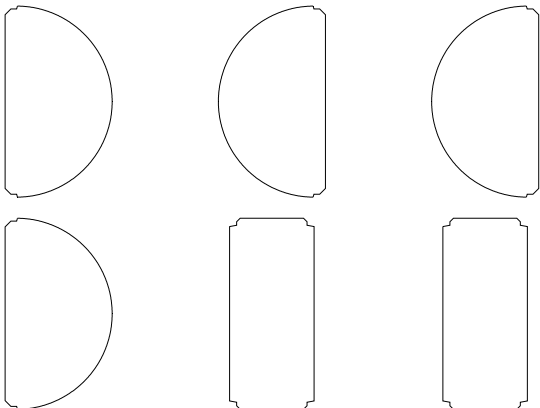
Rectangular



Dims	Options	Conn's
A=Radius	Six Parts Left Lap=None	C1=S&D
B=Length	Six Parts Right Lap=None	C2=None
C=Six Parts Left Height	Clip Holes=No	C3=None
D=Six Parts Right Height	Alternate Weathering=No	
	Holes CAD Nodes=No	
	Ensure Center Closed=No	

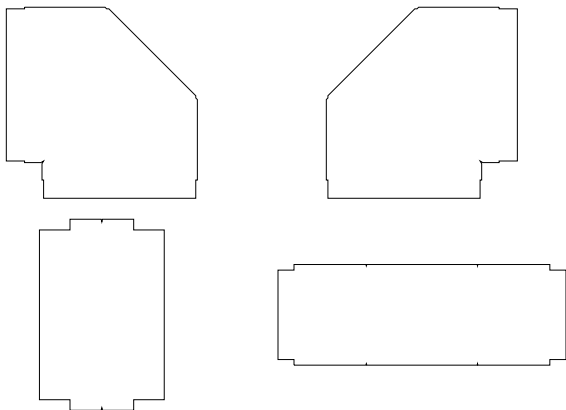
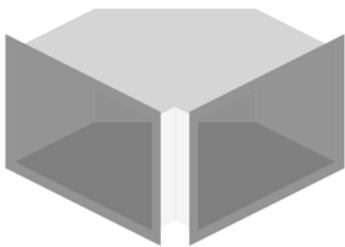
Seams
S1=PIITS-S
S2=PIITS-S

Damper:



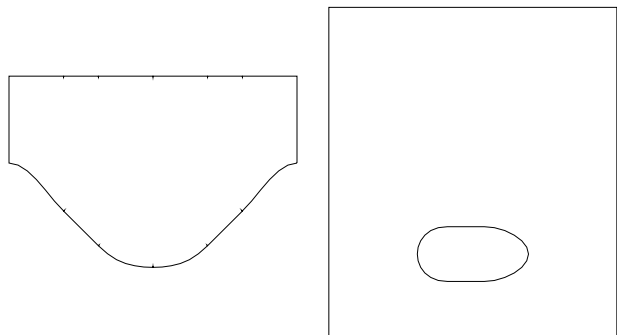
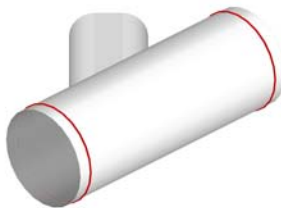
Pattern: 354

Rectangular



Pattern: 355

Round



Dims	Options	Conn's
A=Top Width	Length Adjust For Part 4=0.000	C1=TDC
B=Depth	Length Adjust For Part 3=0.000	C2=TDC
C=Top Extension	Vee Depth Male=Auto	
D=Bottom Extension	Vee Depth Female=Auto	
	Vee Angle Male=30	
	Vee Angle Female=30	
	Seam Number For Throat=	
	Leg Lengths=No	
	Allow Central Tie Rods=Yes	
	Riser Bend=No	
	Folding Lines=No	
	Mark Splitter Sides=No	
	Insulation Parts=Same	
	Draw Custom Insulation=No	

Seams

S1=PITTS-S

S2=None

Damper:

Dims	Options	Conn's
A=Width	Pipe Parts=1	C1=GRC_Swage-Male
B=Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	Pipe Diameter Type=Nominal	C3=SE Oval
D=Right Extension	Branch Diameter Type=Nominal	
E=Branch Width #1	Seam Position=0.000	
F=Branch Depth #1	Branch Allowance To Pipe=0.000	
G=Branch Length #1	True Oval Straight=No	
H=Angle #1	Hole Adjust=0.000	
I=Inset #1		
J=Extension #1		

Seams

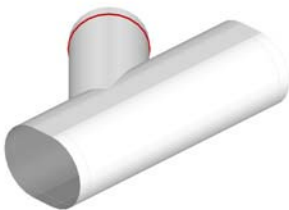
S1=None

S2=None

Damper:

Pattern: 356

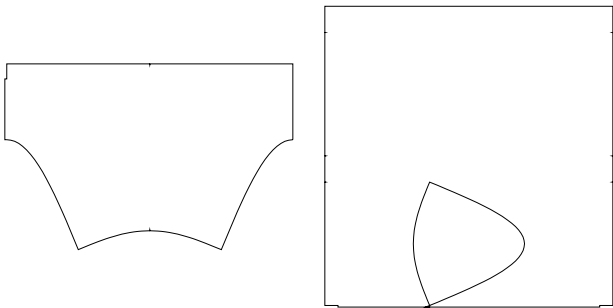
Flat Oval



Dims	Options	Conn's
A=Width	Pipe Parts=1	C1=SE Oval
B=Depth	Branch Parts=1	C2=SE Oval
C=Length	Pipe Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Extension	Branch Diameter Type=Nominal	
E=Right Extension	Seam Position=0.000	
F=Branch Width #1	Branch Allowance To Pipe=0.000	
G=Branch Length #1	True Oval Straight=No	
H=Angle #1	Hole Adjust=0.000	
I=Inset #1		
J=Extension #1		

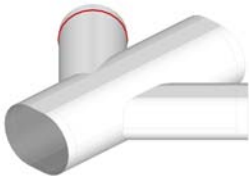
Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)

Damper:



Pattern: 357

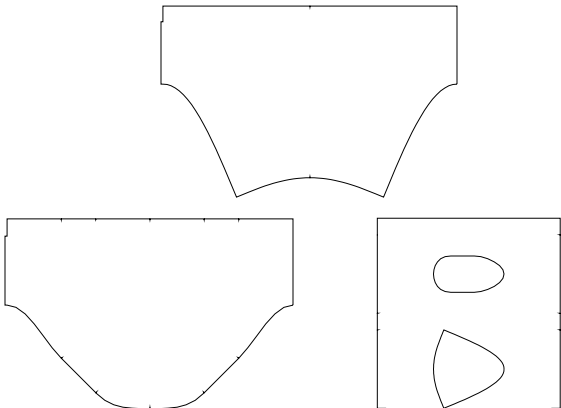
Flat Oval



Dims	Options	Conn's
A=Width	Pipe Parts=1	C1=SE Oval
B=Depth	Branch Parts=1	C2=SE Oval
C=Length	Pipe Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Extension	Branch Diameter Type=Nominal	C4=SE Oval
E=Right Extension	Seam Position=0.000	
F=Branch Width #1	Branch Allowance To Pipe=0.000	
G=Branch Length #1	True Oval Straight=No	
H=Angle #1	Hole Adjust=0.000	
I=Inset #1		
J=Extension #1		
K=Branch Width #2		
L=Branch Depth #2		
M=Branch Length #2		
N=Angle #2		
O=Inset #2		
P=Extension #2		

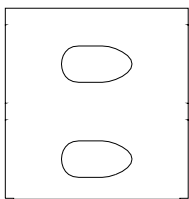
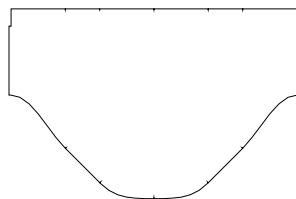
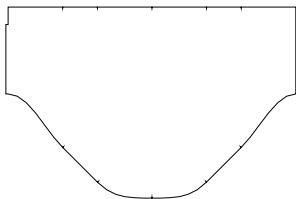
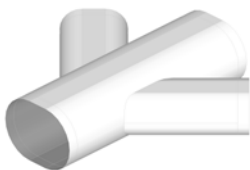
Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)
S3=1/2 Lap (F)

Damper:



Pattern: 358

Flat Oval



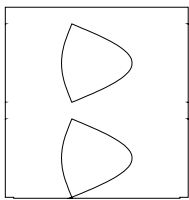
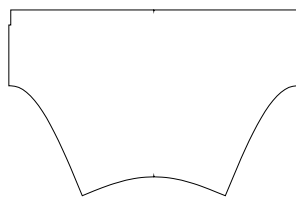
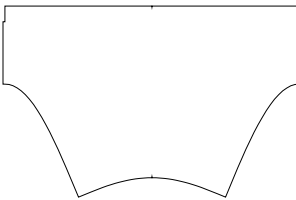
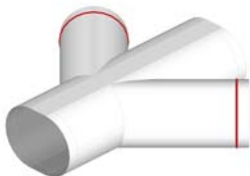
Dims	Options	Conn's
A=Width	Pipe Parts=1	C1=SE Oval
B=Depth	Branch Parts=1	C2=SE Oval
C=Length	Pipe Diameter Type=Nominal	C3=SE Oval
D=Left Extension	Branch Diameter Type=Nominal	C4=SE Oval
E=Right Extension	Seam Position=0.000	
F=Branch Width #1	Branch Allowance To Pipe=0.000	
G=Branch Depth #1	True Oval Straight=No	
H=Branch Length #1	Hole Adjust=0.000	
I=Angle #1		
J=Inset #1		
K=Extension #1		
L=Branch Width #2		
M=Branch Depth #2		
N=Branch Length #2		
O=Angle #2		
P=Inset #2		
Q=Extension #2		

Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)
S3=1/2 Lap (F)

Damper:

Pattern: 359

Flat Oval



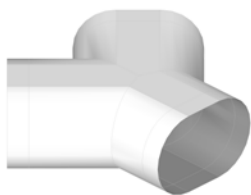
Dims	Options	Conn's
A=Width	Pipe Parts=1	C1=SE Oval
B=Depth	Branch Parts=1	C2=SE Oval
C=Length	Pipe Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Extension	Branch Diameter Type=Nominal	C4=GRC_Swage-Male
E=Right Extension	Seam Position=0.000	
F=Branch Width #1	Branch Allowance To Pipe=0.000	
G=Branch Length #1	True Oval Straight=No	
H=Angle #1	Hole Adjust=0.000	
I=Inset #1		
J=Extension #1		
K=Branch Width #2		
L=Branch Length #2		
M=Angle #2		
N=Inset #2		
O=Extension #2		

Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)
S3=1/2 Lap (F)

Damper:

Pattern: 360

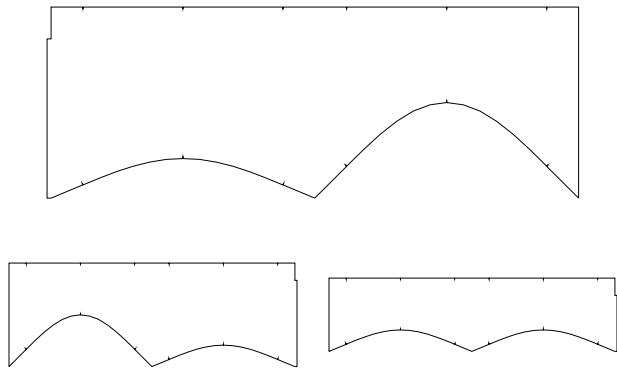
Flat Oval



Dims	Options	Conn's
A=Width	Diameter Type=Nominal	C1=SE Oval
B=Depth	Splitters=0	C2=SE Oval
C=Length In	Splitter Radius=Auto	C3=SE Oval
D=Length Out	Splitter Adjust=0.000	C4=SE Oval
E=Angle		C5=SE Oval
F=Bottom Extension		
G=Left Extension		
H=Right Extension		

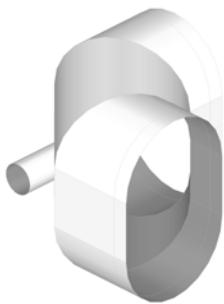
Seams
S1=1/2 Lap (F)

Damper:



Pattern: 365

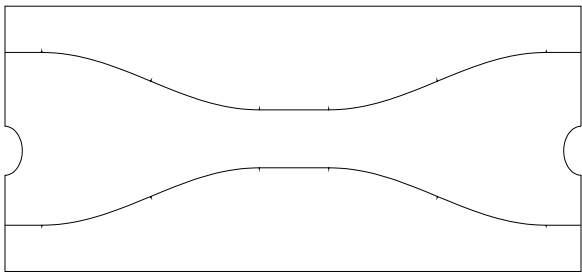
Flat Oval



Dims	Options	Conn's
A=Width	Number Of Segments=3	C1=SE Oval
B=Depth	Diameter Type=Nominal	C2=SE Oval
C=Inner Radius	Seam Position=Throat	C3=SE Oval
D=Bottom Extension	Single Segments=No	C4=None
E=Top Extension	Nest Break Start Segment=0	
F=Branch Width	Nest Break End Segment=0	
G=Branch Depth	Cross Break=1	
H=Branch Inset	Notch Angle For Seam=0	
I=Branch Offset	Leg Lengths=No	
J=Branch Length	Length Includes Extensions=No	
K=Branch Angle	Splitters=0	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Splitter Shape=Angled	
	Splitter Type=Partial	
	Branch Parts=No	
	Branch Seam Position=Width	
	Branch Origin=C3 Inline	

Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)

Damper:



Pattern: 366

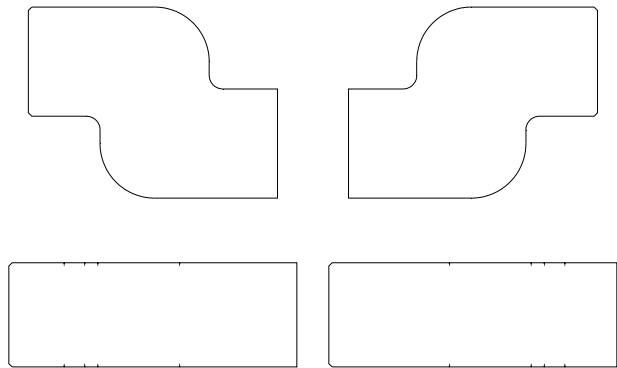
Rectangular



Dims	Options	Conn's
A=Left Width	Vee Depth Male=Auto	C1=S&D
B=Depth	Vee Depth Female=Auto	C2=None
C=Right Width	Vee Notch Angle=20.000	
D=Length	Estimated Width Out %age=Not Used	
E=Left Extension	Insulation Parts=Same	
F=Right Extension		
G=Offset Width		
H=Top Radius		
I=Left Radius		
J=Bottom Radius		
K=Right Radius		

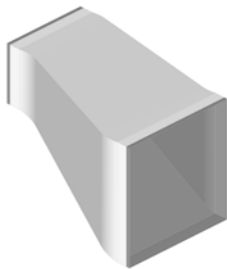
Seams
S1=None

Damper:



Pattern: 367

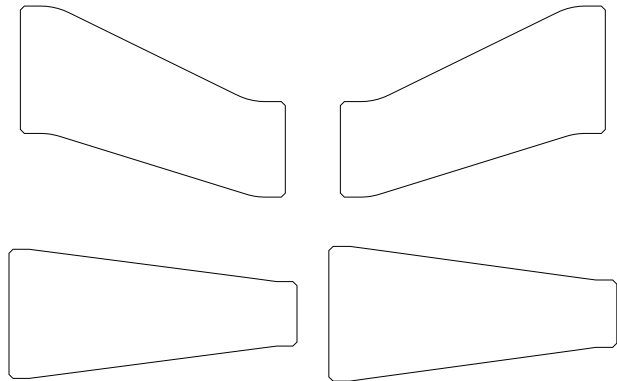
Rectangular



Dims	Options	Conn's
A=Width In	Vee Depth Male=Auto	C1=S&D
B=Depth In	Vee Depth Female=Auto	C2=S&D
C=Width Out	Vee Angle Male=30	
D=Depth Out	Vee Angle Female=30	
E=Length	Offset Width=Left In	
F=Extension In	Offset Depth=Top Down	
G=Extension Out	Restricted Flow=Warning	
H=Offset Width	Seam Cut Back=0.000	
I=Offset Depth	Allow Central Tie Rods=No	
J=Corner Radius	Wraps V Notch If Zero Radius=No	
	New 3D And Develops=No	
	Separate Extension In=No	

Seams
S1=None

Damper:



Pattern: 368

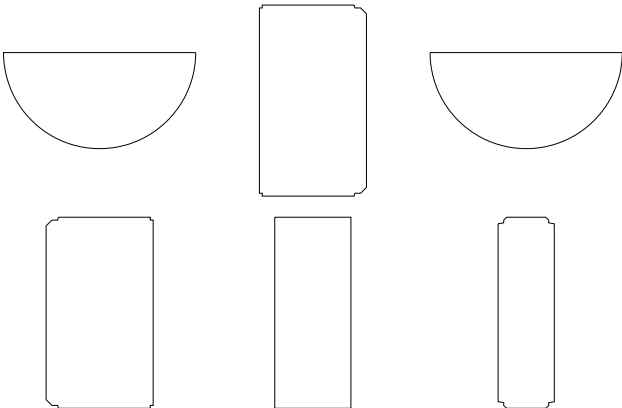
Rectangular



Dims		Options	Conn's
A=Radius		Six Parts Left Lap=None	C1=S&D
B=Left Height		Connector=Left	
C=Length		Vee Depth Female=0.000	
D=Six Parts Left Height		Vee Angle Female=30.000	
E=Right Height		Alternate Weathering=No	
		Clip Holes=No	

Seams
S1=PIITS-S

Damper:



Pattern: 369

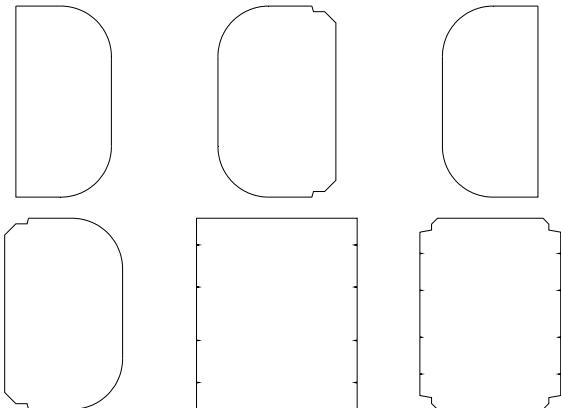
Rectangular



Dims		Options	Conn's
A=Width	B=Flat Left	Six Parts Left Lap=None	C1=S&D
C=Flat Right	D=Depth	Six Parts Right Lap=None	
E=Length		Parts=2	

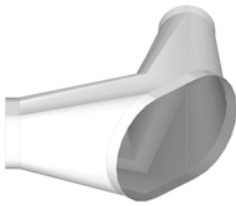
Seams
S1=PIITS-S
S2=PIITS-S

Damper:



Pattern: 376

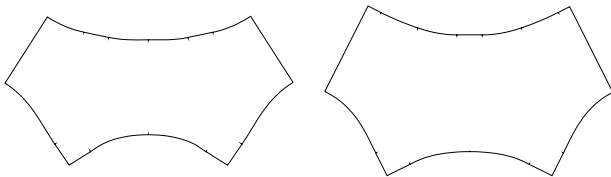
Flat Oval



Dims	Options	Conn's
A=Btm Width	Bottom Diameter Type=Nominal	C1=SE Oval
B=Btm Depth	Left Diameter Type=Nominal	C2=SE Oval
C=Left Width	Right Diameter Type=Nominal	C3=SE Oval
D=Left Depth	Seam Position=Throat	C4=SE Oval
E=Right Width		C5=SE Oval
F=Right Depth		
G=Left Angle		
H=Right Angle		
I=Height		
J=Left Offset		
K=Right Offset		
L=Left Height		
M=Right Height		
N=Left Offset		
O=Right Offset		
P=Bottom Collar		
Q=Left Collar		
R=Right Collar		

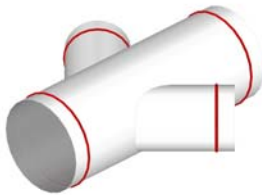
Seams
S1=1/2 Lap (F)

Damper:



Pattern: 377

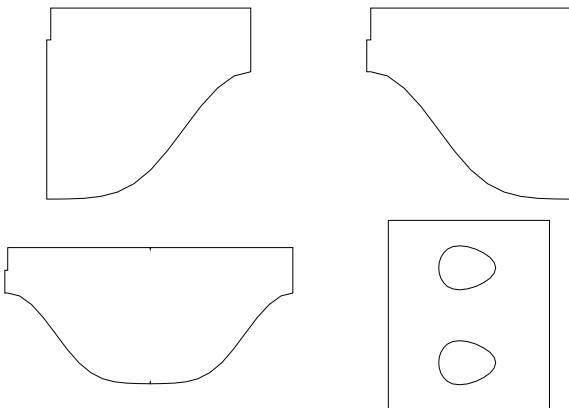
Flat Oval



Dims	Options	Conn's
A=Major Axis	Pipe Parts=1	C1=GRC_Swage-Male
B=Minor Axis	Pipe Seam Position=0.000	C2=GRC_Swage-Male
C=Pipe Length	Pipe Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Extension	Hole Adjust=0.000	C4=GRC_Swage-Male
E=Right Extension	Branch Allowance To Pipe=0.000	
F=Branch Width #1	Branch Diameter Type=Nominal	
G=Branch Depth #1	Branch Parts=2	
H=Branch Length #1	Branch Diameter Type=Nominal	
I=Angle #1	Branch Parts=1	
J=Inset #1	Plate Border=0.000	
K=Offset #1	Plate Type=Rectangular	
L=Rotation #1	Branch Seam Position=0.000	
M=Collar #1	Collar Arcs - Lap=0.000	
N=Branch Width #2	Collar Arcs - Allowance=0.000	
O=Branch Depth #2	Branch Only=No	
P=Branch Length #2	Branch Seam Position=All	
Q=Angle #2	Same Seams On Each Part=No	
R=Inset #2	Reducer Seam Position=Corner	
S=Offset #2	Reducer Parts=1	
T=Rotation #2		
U=Collar #2		
V=Oval Half Extension		

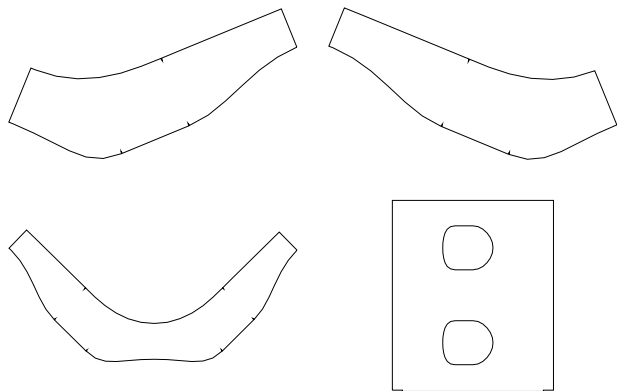
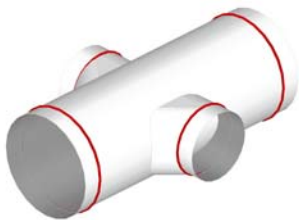
Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)
S3=1/2 Lap (F)

Damper:



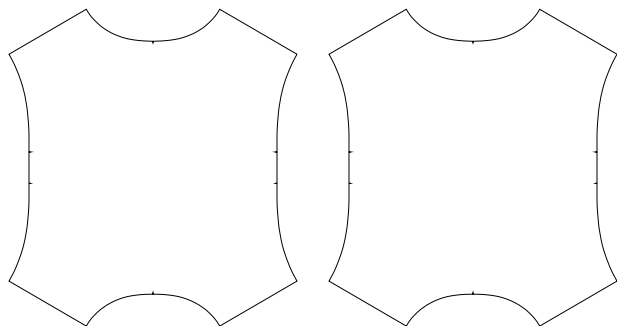
Pattern: 378

Flat Oval



Pattern: 379

Round



Dims	Options	Conn's
A=Major Axis	Pipe Parts=1	C1=GRC_Swage-Male
B=Minor Axis	Pipe Seam Position=0.000	C2=GRC_Swage-Male
C=Pipe Length	Pipe Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Extension	Hole Adjust=0.000	C4=GRC_Swage-Male
E=Right Extension	Branch Allowance To Pipe=0.000	
F=Major Axis #1	Branch Diameter Type=Nominal	
G=Minor Axis #1	Branch Parts=2	
H=Branch Length #1	Branch Diameter Type=Nominal	
I=Angle #1	Branch Parts=1	
J=Inset #1	Plate Border=0.000	
K=Offset #1	Plate Type=Rectangular	
L=Rotation #1	Branch Seam Position=0.000	
M=Collar #1	Branch Only=No	
N=Major Axis #2	Allow Branches On Flats=No	
O=Minor Axis #2	Reducer Seam Position=Corner	
P=Branch Length #2	Reducer Parts=1	
Q=Angle #2		
R=Inset #2		
S=Offset #2		
T=Rotation #2		
U=Collar #2		

Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)
S3=1/2 Lap (F)

Damper:

Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Branch Diameter Type=Nominal	C2=GRC_Swage-Male
C=Left Extension	Branch Diameter Type=Nominal	C3=GRC_Swage-Male
D=Branch Diameter	Hole Adjust=0.000	
E=Branch Length	Round Allowance To Pipe=0.000	
F=Angle	Flat Allowance To Pipe=0.000	
G=Collar	Seam Position=0.000	
	Pipe Parts=1	
	Branch Parts=2	
	Connector Fold Notch=Full Allowance	
	Inlet=1	
	Outlet=2	

Seams
S1=None
S2=None

Damper:

Pattern: 380

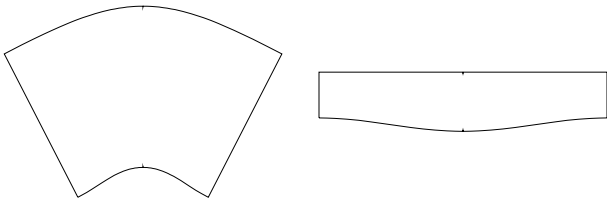
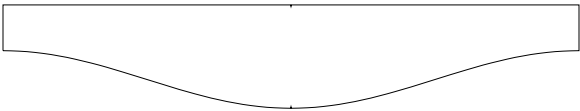
Round



Dims	Options	Conn's
A=Left Diameter	Seam Position=0.000	C1=GRC_Swage-Male
B=Right Diameter	Left Diameter Type=Nominal	C2=GRC_Swage-Male
C=Length	Right Diameter Type=Nominal	C3=GRC_Swage-Male
D=Offset	Cross Break=1	
E=Left Extension	Marker Type=Notch	
F=Right Extension	Seam Position=Angled	
G=Left Collar	Stitch Gap=0.000	
H=Right Collar	Number Of Stitches=4	
	Seam Cuts=Straight	

Seams
S1=None

Damper: None
None



Pattern: 381

Round



Dims	Options	Conn's
A=Diameter B=Length	Diameter Type=Nominal	
	Stitch Gap=0.000	
	Number Of Stitches=4	

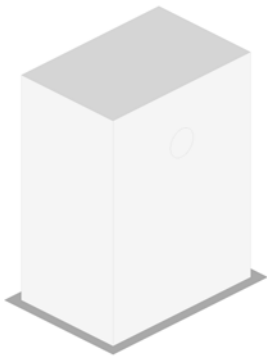
Seams
S1=None

Damper:



Pattern: 382

Rectangular



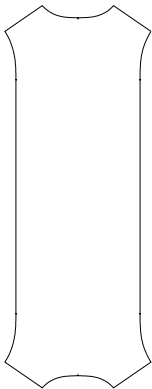
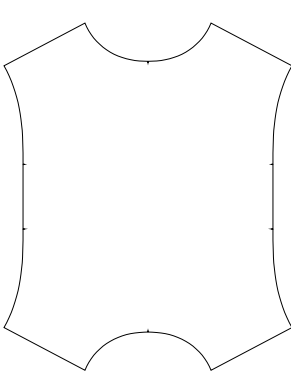
Dims	Options	Conn's
A=Width	Notch Angle For Lid=45.000	C1=TDC
B=Depth	Collar Allowance=0.000	C2=GRC_Swage-Male
C=Length	Diameter Type=Nominal	
D=Hole Width #1	Hole Adjust=0.000	
E=Hole Depth #1	Hole Type=Front	
F=Hole Radius #1	Vee Notch Angle=Default	
G=Hole Inset #1	Swap Hole Dims For Side=No	
H=Hole Offset #1	Cost Supports=No	
I=Hole Collar #1	Collar Allowance=0.000	
J=Hole Axis Rotn #1	Collar Allowance=0.000	
	Collar Allowance=0.000	
	Collar Allowance=0.000	
	Collar Allowance=0.000	

Seams
S1=None
S2=None

Damper: None

Pattern: 383

Round



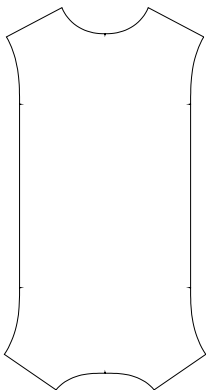
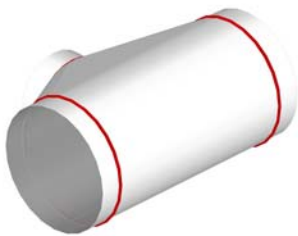
Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Branch Diameter Type=Nominal	C2=GRC_Swage-Male
C=Left Extension	Branch Diameter Type=Nominal	C3=GRC_Swage-Male
D=Branch Diameter	Hole Adjust=0.000	
E=Branch Length	Round Allowance To Pipe=0.000	
F=Angle	Flat Allowance To Pipe=0.000	
G=Collar	Seam Position=0.000	
	Pipe Parts=1	
	Branch Parts=2	
	Connector Fold Notch=Full Allowance	
	Inlet=1	
	Outlet=2	

Seams
S1=None
S2=None

Damper:

Pattern: 384

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Branch Diameter Type=Nominal	C2=GRC_Swage-Male
C=Left Extension	Branch Diameter Type=Nominal	C3=GRC_Swage-Male
D=Branch Diameter	Hole Adjust=0.000	
E=Branch Length	Round Allowance To Pipe=0.000	
F=Angle	Flat Allowance To Pipe=0.000	
G=Collar	Seam Position=0.000	
	Pipe Parts=1	
	Branch Parts=2	
	Connector Fold Notch=Full Allowance	
	Inlet=1	
	Outlet=2	

Seams

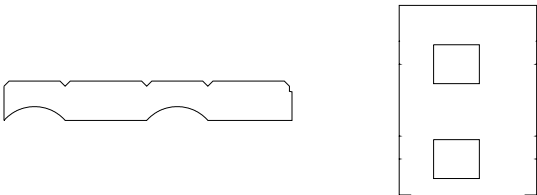
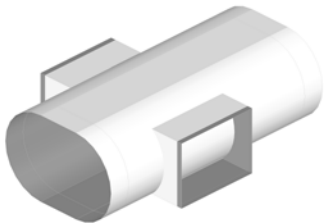
S1=None

S2=None

Damper:

Pattern: 385

Flat Oval



Dims	Options	Conn's
A=Major Axis	Pipe Diameter Type=Nominal	C1=SE Oval
B=Minor Axis	Round Allowance To Pipe=0.000	C2=SE Oval
C=Pipe Length	Flat Allowance To Pipe=0.000	C3=S&D
D=Left Extension	Pipe Parts=1	C4=S&D
E=Right Extension	Branch Parts=1	
F=Branch Width	Pipe Seam Position=0.000	
G=Branch Depth	Hole Adjust=0.000	
H=Branch Length	Plate Border=0.000	
I=Inset	Castle Width=0.000	
J=Rotation	Castle Angle=30.000	
K=Extension	Plate Border (Width)=Auto	
L=Branch Width		
M=Branch Depth		
N=Branch Length		
O=Inset		
P=Rotation		
Q=Extension		

Seams

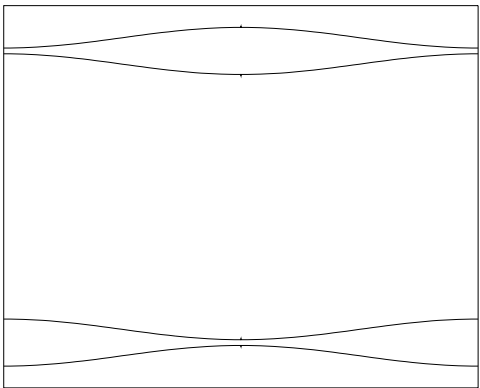
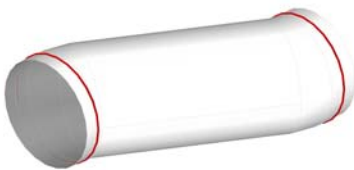
S1=1/2 Lap (F)

S2=1/2 Lap (F)

Damper:

Pattern: 386

Round



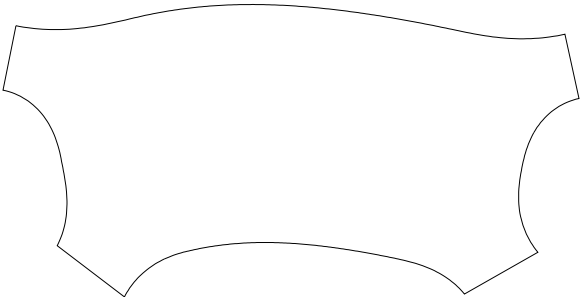
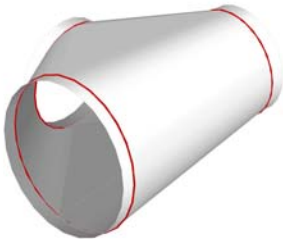
Dims	Options	Conn's
A=Diameter	Seam Position=0.000	C1=GRC_Swage-Male
B=Length	Single Segments=No	C2=GRC_Swage-Male
C=Offset	Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Collar	Cross Break=1	
E=Right Collar	Marker Type=Notch	
F=Inner Radius	Seam Position=Angled	
	Stitch Gap=0.000	
	Number Of Stitches=4	
	Seam Cuts=Straight	

Seams
S1=None

Damper: None
None

Pattern: 387

Round



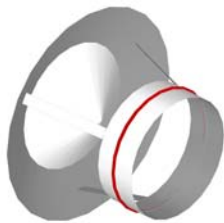
Dims	Options	Conn's
A=Left Diameter	Left Diameter Type=Nominal	C1=GRC_Swage-Male
B=Right Diameter	Right Diameter Type=Nominal	C2=GRC_Swage-Male
C=Pipe Length	Branch Diameter Type=Nominal	C3=GRC_Swage-Male
D=Y-Offset	Marker Notches=No	
E=X-Offset		
F=Left Collar		
G=Right Collar		
H=Branch Diameter		
I=Branch Length		
J=Offset		
K=Collar		

Seams
S1=None

Damper:

Pattern: 388

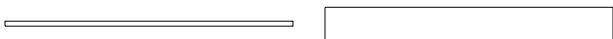
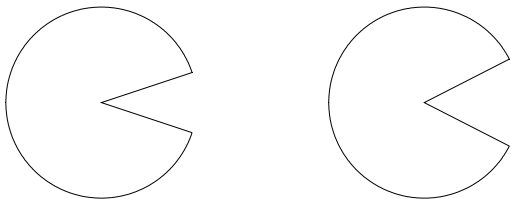
Round



Dims	Options	Conn's
A=Outer Diameter	Number Of Struts=3	C1=GRC_Swage-Male
B=Length	Allowance To Pipe=25.000	
C=Height	Allowance To Hood=25.000	
D=Pipe Diameter	Hole Diameter=0.000	
E=Pipe Length	Number Of Holes=0	
F=Inner Diameter	Hole Inset=0.000	
G=Inner Length	Strut Hole Width=0.000	
H=Hole Diameter	Strut Hole Length Adjust=0.000	
I=Angle	Insertion Point=Default	
J=Strut Width	Rotation=Default	

Seams
S1=None

Damper:



Pattern: 390

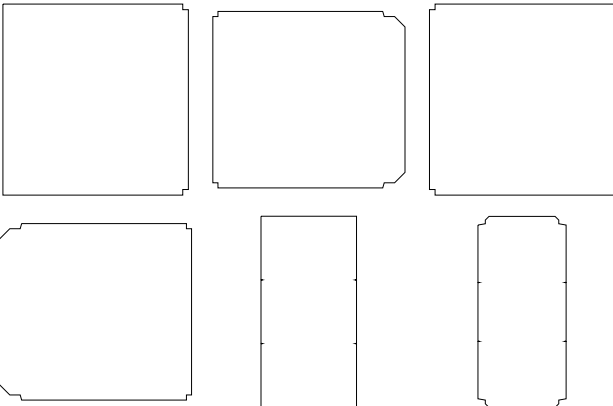
Rectangular



Dims	Options	Conn's
A=Left Width	Six Parts Left Lap=None	C1=S&D
B=Right Width	Six Parts Right Lap=None	
C=Depth	Parts=2	
D=Length		
E=Bottom Radius		
F=Top Radius		
G=Cross Break		

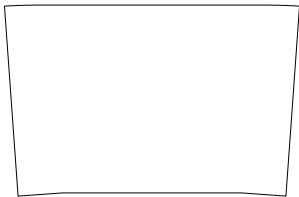
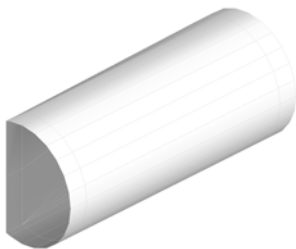
Seams
S1=PITTS-S
S2=PITTS-S

Damper:



Pattern: 391

Round



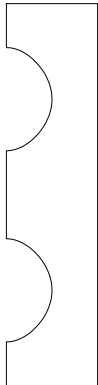
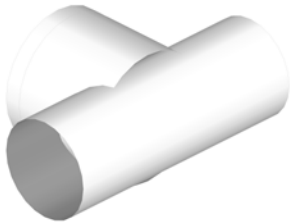
Dims	Options	Conn's
A=Diameter	Seam Position=0.000	C1=GRC_Swage-Male
B=Length	2 Parts=No	C2=GRC_Swage-Male
C=Slice Depth	Vee Notch Angle=20.000	C3=GRC_Swage-Male
D=Left Collar	Vee Notch Depth (C1)=0.000	
E=Right Collar	Vee Notch Depth (C2)=0.000	
	Seam For Weathering=No	
	Slice Full Length=No	
	Seam Position=Top	
	Notch Corners=No	
	Notch Connectors=No	
	Draw C1=No	
	Draw C2=No	

Seams
S1=None

Damper:

Pattern: 392

Round



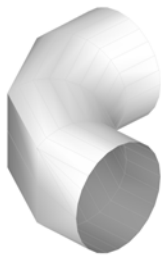
Dims	Options	Conn's
A=Pipe Diameter	Branch Parts=1	C1=GRC_Swage-Male
B=Branch Diameter #1	First Break=0.000	
C=Branch Length #1	Second Break=0.000	
D=Angle #1	Third Break=0.000	
E=Offset #1	Seam Position=0.000	
F=Extension #1	Pipe Diameter Type=Nominal	
	Branch Diameter Type=Nominal	
	Hole Adjust=0.000	
	Branch Allowance To Pipe=0.000	
	Cut Back Allowance (%)=0.000	
	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	

Seams
S1=None

Damper: None

Pattern: 393

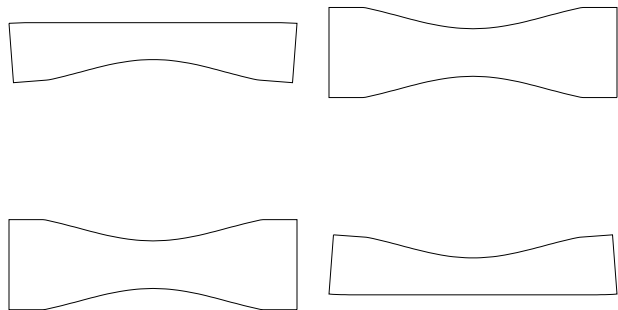
Round



Dims	Options	Conn's
A=Diameter	Number Of Segments=4	C1=GRC_Swage-Male
B=Inner Radius	Seam Position=0.000	C2=GRC_Swage-Male
C=Angle	Start Segment=2	C3=GRC_Swage-Male
D=Bottom Extension	End Segment=3	
E=Top Extension	Leg Lengths=No	
F=Slice Depth	Length Includes Extensions=No	
G=Slice Angle	Seam Position=Top	
	2 Parts=No	
	Notch Corners=No	
	Notch Connectors=No	
	Draw C2=No	
	Draw C3=No	

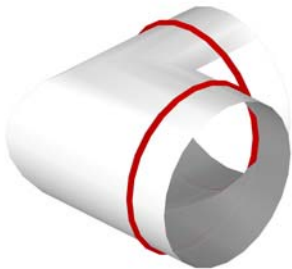
Seams
S1=None

Damper:



Pattern: 394

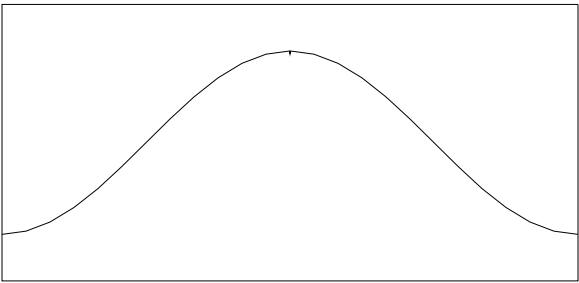
Round



Dims	Options	Conn's
A=Bottom Diameter	Seam Position=0.000	C1=GRC_Swage-Male
B=Top Diameter	Bottom Diameter Type=Nominal	C2=GRC_Swage-Male
C=Angle	Top Diameter Type=Nominal	
D=Bottom Extension	Turnover=0.000	
E=Top Extension	Splitters=No	
	Splitter Adjust=0.000	
	2 Parts=No	
	Splitters=4	

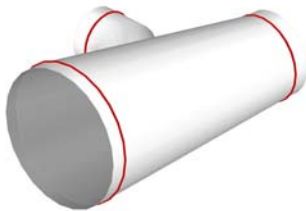
Seams
S1=None

Damper:



Pattern: 395

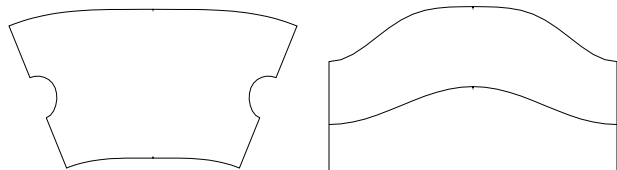
Round



Dims	Options	Conn's
A=Left Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Right Diameter	Branch Parts=1	C2=GRC_Swage-Male
C=Pipe Length	Seam Position=On Hole	C3=GRC_Swage-Male
D=Y-Offset	Diameter Type BE=Nominal	C4=GRC_Swage-Male
E=Left Collar	Diameter Type SE=Nominal	
F=Right Collar	Branch Diameter Type=Nominal	
G=Branch Diameter	Hole Adjust=0.000	
H=Branch Length	Branch Allowance To Pipe=0.000	
I=Angle	Throat Cut Back (Degrees)=0.000	
J=Inset	Branch Inset=Front	
K=Extension		
L=Collar		

Seams
S1=None
S2=None

Damper:



Pattern: 397

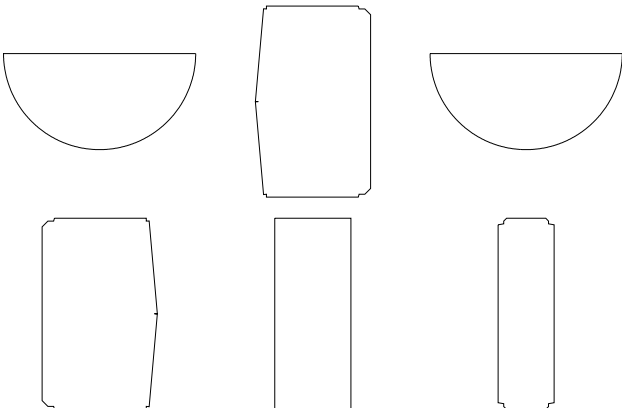
Rectangular



Dims	Options	Conn's
A=Radius	Six Parts Left Lap=None	C1=S&D
B=Left Height	Connector=Left	
C=Length	Vee Depth Female=0.000	
D=Left Angle	Vee Angle Female=30.000	
E=Six Parts Left Height	Alternate Weathering=No	
F=Right Angle	Clip Holes=No	
G=Right Height	Split Radius Parts=No	

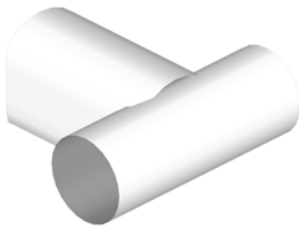
Seams
S1=PIITS-S

Damper:



Pattern: 398

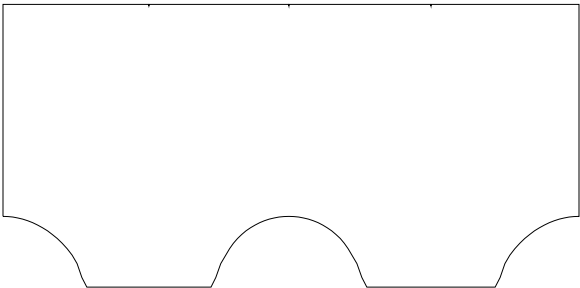
Round



Dims	Options	Conn's
A=Branch Diameter	Seam Position=Right	C1=GRC_Swage-Male
B=Pipe Diameter	Pipe Diameter Type=Nominal	
C=Branch Length	Branch Diameter Type=Nominal	
D=Offset Depth	Flat Allowance To Pipe=0.000	
E=Offset Width	Round Allowance To Pipe=0.000	
	Branch Parts=1	

Seams
S1=None

Damper:



Pattern: 399

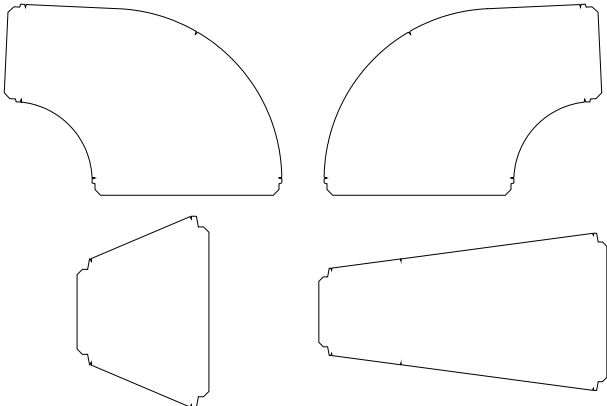
Rectangular



Dims	Options	Conn's
A=Btm Width	Throat Type=Radius	C1=S&D
B=Btm Depth	Vee Depth Male=Auto	C2=S&D
C=Top Width	Vee Depth Female=Auto	
D=Top Depth	Vee Angle Male=30	
E=Angle	Vee Angle Female=30	
F=Top Extension	Offset=Top Down	
G=Bottom Extension	Bending=Left	
H=Inner Radius	Allow Central Tie Rods=Yes	
I=Offset	Straight Edge Wrappers=No	
	Splitters=0	
	Splitter Slit Angle=10.000	
	Intersect Splitter Holes=No	

Seams
S1=PIITS-S

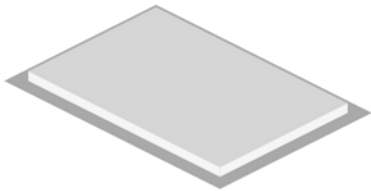
Damper:



Pattern: 401

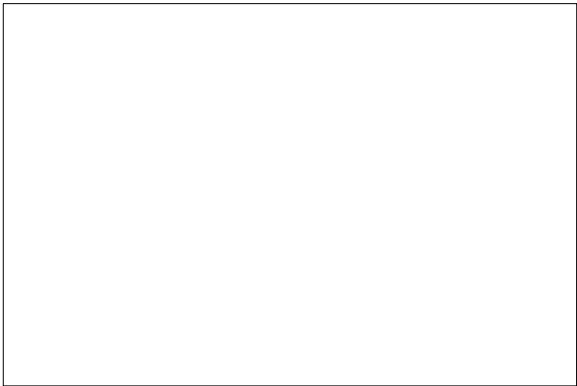
Rectangular

Dims			Options	Conn's
A=a	B=b	C=e	Vee Notch Angle=90 Duct Adjust=0.000 Minimum Part Area=0.000	C1=TDC C2=None



Seams

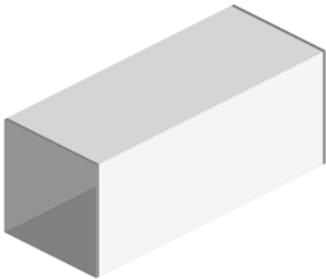
Damper:



Pattern: 410

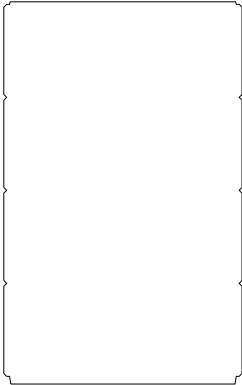
Rectangular

Dims			Options	Conn's
A=a	B=b	C=l	Straight Type=1 Part Straight Female Allow=Shortest Side 1xU,1xl=Shortest Side Connector Fold Notch=Use Default Vee Notch Depth=Auto Vee Notch Angle=30.000 Connector Fold Notch=Use Default Vee Notch Depth=Auto Vee Notch Angle=30.000 Beading=No Insulation Parts=Same Insulation UI=Shortest Side	C1=S&D C2=S&D



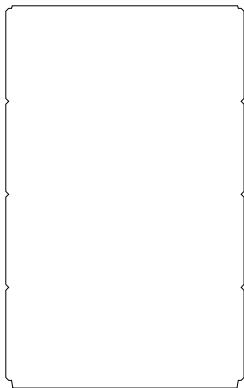
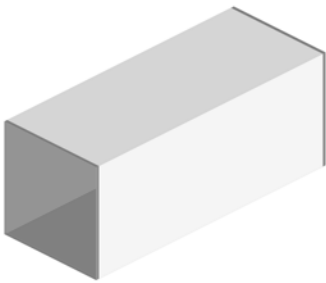
Seams
S1=Snaplock

Damper:



Pattern: 411

Rectangular

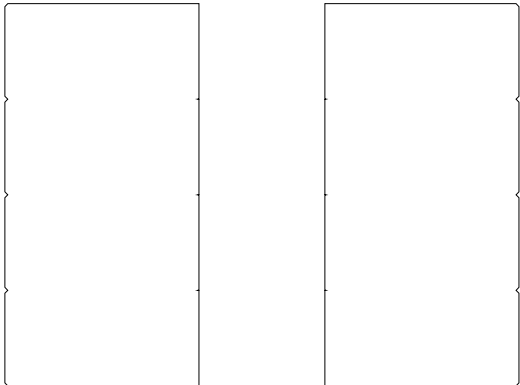
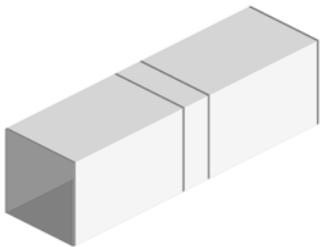


Dims			Options	Conn's
A=a	B=b	C=l	Straight Type=1 Part Straight	C1=S&D
			Female Allow=Shortest Side	C2=S&D
			1xU,1xl=Shortest Side	
			Connector Fold Notch=Use Default	
			Vee Notch Depth=Auto	
			Vee Notch Angle=30.000	
			Connector Fold Notch=Use Default	
			Vee Notch Depth=Auto	
			Vee Notch Angle=30.000	
			Beading=No	
			Insulation Parts=Same	
			Insulation UI=Shortest Side	
				Seams
				S1=Snaplock

Damper:

Pattern: 412

Rectangular

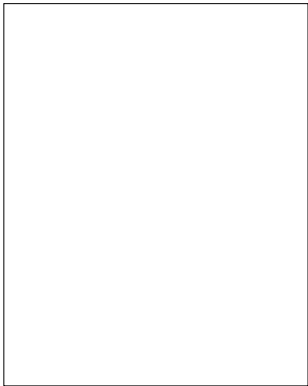
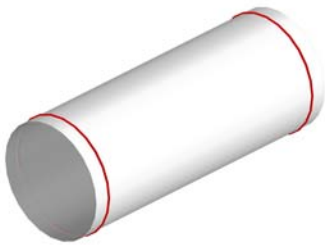


Dims					Options	Conn's
A=a	B=b	C=l	D=e	E=f	Straight Type=1 Part Straight	C1=S&D
F=a	G=b				Female Allow=Shortest Side	C2=S&D
					1xU,1xl=Shortest Side	
					Connector Fold Notch=Use Default	
					Vee Notch Depth=Auto	
					Vee Notch Angle=30.000	
					Duct Adjust=0.000	
					Connector Fold Notch=Use Default	
					Vee Notch Depth=Auto	
					Vee Notch Angle=30.000	
					Beading=No	
					Insulation Parts=Same	
					Insulation UI=Shortest Side	
						Seams
						S1=None

Damper:

Pattern: 413

Round



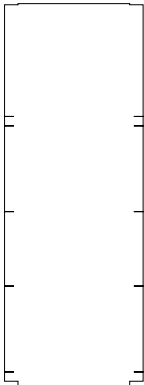
Dims	Options	Conn's
A=d	Seam Position=0.000	C1=GRC_Swage-Male
B=l	Diameter Type=Nominal	C2=GRC_Swage-Male
C=Left Extension	Pipe Parts=1	
D=Right Extension	First Break=0.000	
	Second Break=0.000	
	Third Break=0.000	

Seams
S1=None

Damper: None
None

Pattern: 415

Rectangular



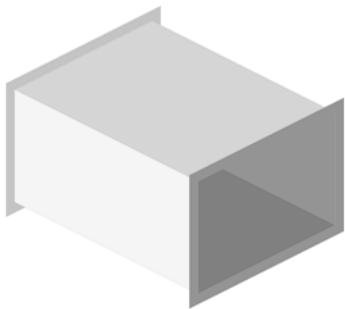
Dims	Options	Conn's
A=a B=b C=c D=d E=e	1 Part Straight=Yes	C1=TDC
F=f G=l		C2=TDC

Seams
S1=PITTS-S

Damper:

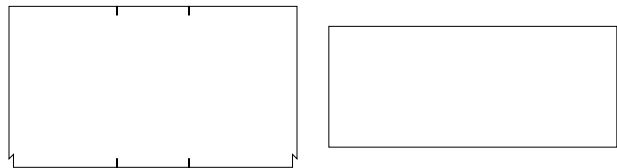
Pattern: 417

Rectangular



Dims				Options	Conn's
A=a	B=d	C=b	D=l	Throat Type=Mitred	C1=TDC
				2 Parts=Yes	C2=TDC
				Vee Depth Male=Auto	
				Vee Depth Female=Auto	
				Vee Notch Angle=30.000	
				Connector Fold Notch=Use Default	
				Vee Notch Depth=Auto	
				Vee Notch Angle=30.000	
				Connector Fold Notch=Use Default	
				Vee Notch Depth=Auto	
				Vee Notch Angle=30.000	
				Dynamic Hole Adjust=Auto	
				Seams	
					S1=None

Damper: None
None



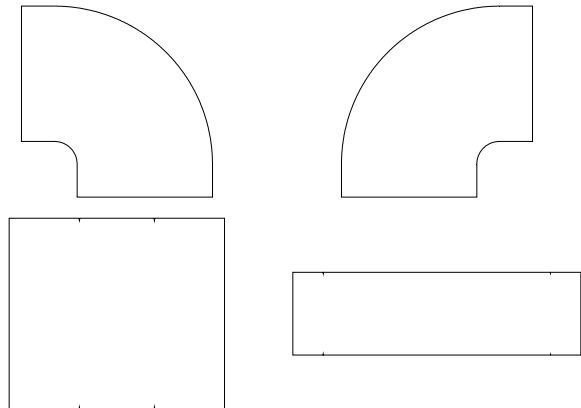
Pattern: 420

Rectangular



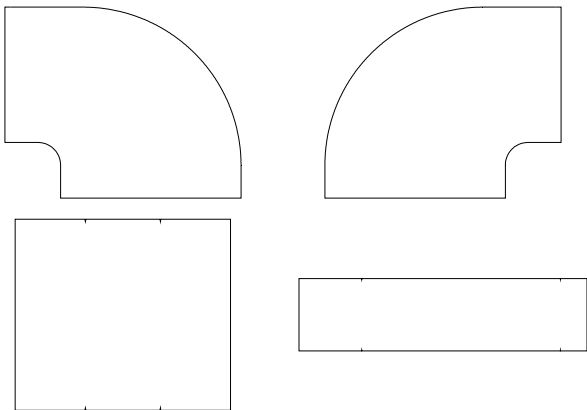
Dims					Options	Conn's
A=a	B=b	C=e	D=f	E=r	Throat Type=Radius	C1=TDC
				F=l	Length Adjust For Part 4=0.000	C2=TDC
					Length Adjust For Part 3=0.000	
					Vee Depth Male=Auto	
					Vee Depth Female=Auto	
					Vee Angle Male=30	
					Vee Angle Female=30	
					Auto Oversize=Normal	
					Seam Number For Throat=	
					2 Part Wrapper=No	
					Leg Lengths=No	
					Allow Central Tie Rods=Yes	
					Riser Bend=No	
					Mark Splitter Sides=No	
					Insulation Parts=Same	
					Draw Custom Insulation=No	
					Seams	
						S1=None
						S2=None

Damper:



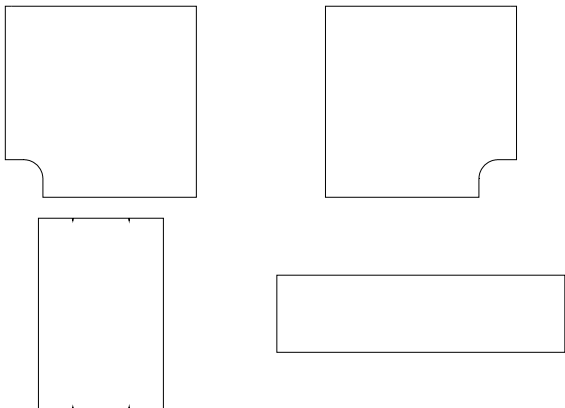
Pattern: 421

Rectangular



Pattern: 430

Rectangular



Dims					Options	Conn's
A=a	B=b	C=d	D=e	E=f	Throat Type=Radius	C1=TDC
F=r	G=l				Length Adjust For Part 4=0.000	C2=TDC
					Length Adjust For Part 3=0.000	
					Vee Depth Male=Auto	
					Vee Depth Female=Auto	
					Vee Angle Male=30	
					Vee Angle Female=30	
					Auto Oversize=Normal	
					Seam Number For Throat=	
					2 Part Wrapper=No	
					Leg Lengths=No	
					Allow Central Tie Rods=Yes	
					Riser Bend=No	
					Mark Splitter Sides=No	
					Insulation Parts=Same	
					Draw Custom Insulation=No	

Seams
S1=None
S2=None

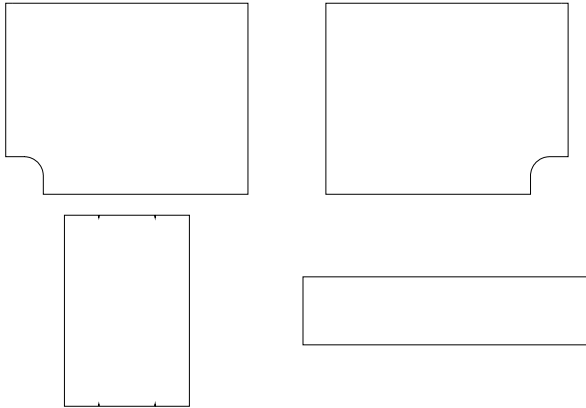
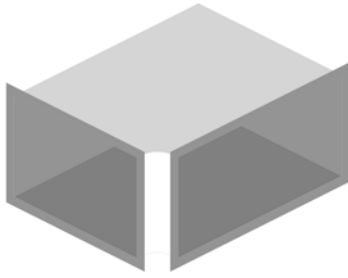
Damper:

Dims					Options	Conn's
A=a	B=b	C=e	D=f	E=r	Throat Type=Radius	C1=TDC
F=l					Length Adjust For Part 4=0.000	C2=TDC
					Length Adjust For Part 3=0.000	
					Vee Depth Male=Auto	
					Vee Depth Female=Auto	
					Vee Angle Male=30	
					Vee Angle Female=30	
					3 Parts=No	
					Auto Oversize=Normal	
					Seam Number For Throat=	
					2 Part Wrapper=No	
					Leg Lengths=No	
					Allow Central Tie Rods=Yes	
					Riser Bend=No	
					Mark Splitter Sides=No	
					Insulation Parts=Same	
					Draw Custom Insulation=No	

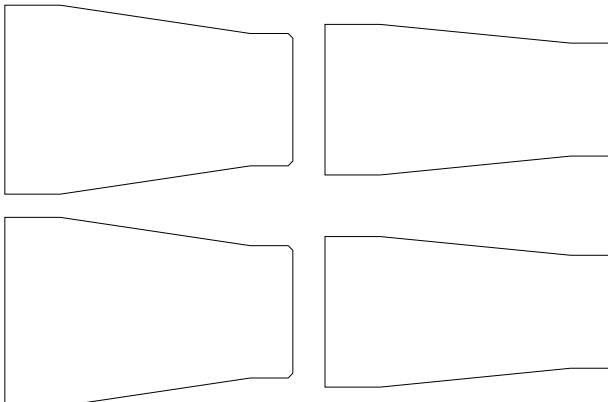
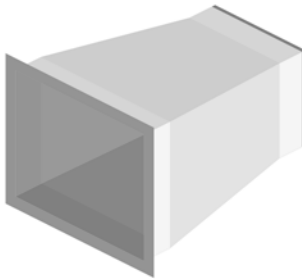
Seams
S1=None
S2=None

Damper:

Rectangular



Rectangular

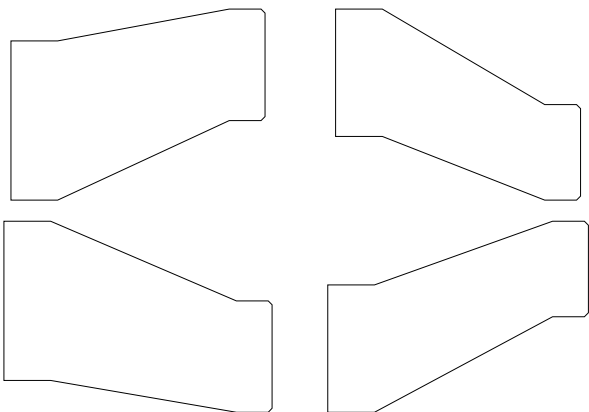


Dims				Options	Conn's
A=a	B=b	C=d	D=e E=f	Throat Type=Radius	C1=TDC
F=r	G=l			Length Adjust For Part 4=0.000	C2=TDC
				Length Adjust For Part 3=0.000	
				Vee Depth Male=Auto	
				Vee Depth Female=Auto	
				Vee Angle Male=30	
				Vee Angle Female=30	
				3 Parts=No	
				Auto Oversize=Normal	
				Seam Number For Throat=	
				2 Part Wrapper=No	
				Leg Lengths=No	Seams
				Allow Central Tie Rods=Yes	S1=None
				Riser Bend=No	S2=None
				Mark Splitter Sides=No	
				Insulation Parts=Same	
				Draw Custom Insulation=No	
					Damper:

Dims		Options	Conn's
A=a	B=b	2 Parts=No	C1=TDC
C=c	D=d	3 Parts=No	C2=S&D
E=h	F=m	Vee Depth Male=Auto	
G=l	H=Angle	Vee Depth Female=Auto	
		Vee Notch Angle=20.000	
		Taper Notch If Straight Edge (Female)=No	
		Female Allow=Shortest Slope	
		2-Sided Part Allowance=Auto	
		Estimated Width Out %age=Not Used	
		Estimated Depth Out %age=Not Used	
		Offset Width=Left In	
		Offset Depth=Bottom Up	
		Taper Notch If Straight Edge (Male)=No	
		Use Taper Notch For 2 Parts=Yes	
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Input=Length	
		Vee Notch Depth If Straight Edge (Female)...	
		Maximum Angle=180.000	
		Splitter Turnover=0.000	
		Splitter Extension=0.000	
		Splitter Adjust=0.000	
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Splitter Hole Diameter=0.000	
		Number Of Holes=0.000	
		Splitters=Half	
		Hole Inset=0.000	
		Fixing Holes on Turnover=No	

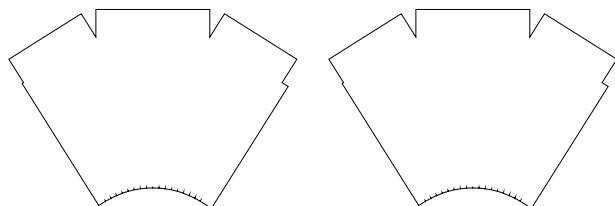
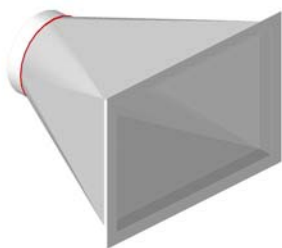
Pattern: 441

Rectangular



Pattern: 450

Rectangular/Round



Dims		Options	Conn's
A=a	B=b	2 Parts=No	C1=TDC
C=c	D=d	3 Parts=No	C2=S&D
E=e	F=f	Vee Depth Male=Auto	
G=h	H=m	Vee Depth Female=Auto	
I=l	J=Angle	Vee Notch Angle=20.000	
		Taper Notch If Straight Edge (Female)=No	
		Female Allow=Shortest Slope	
		2-Sided Part Allowance=Auto	
		Estimated Width Out %age=Not Used	
		Estimated Depth Out %age=Not Used	
		Offset Width=Left In	
		Offset Depth=Bottom Up	
		Taper Notch If Straight Edge (Male)=No	
		Use Taper Notch For 2 Parts=Yes	
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Input=Length	
		Vee Notch Depth If Straight Edge (Female)...	
		Maximum Angle=180.000	
		Splitter Turnover=0.000	
		Splitter Extension=0.000	
		Splitter Adjust=0.000	
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Splitter Hole Diameter=0.000	
		Number Of Holes=0.000	
		Splitters=Half	
		Hole Inset=0.000	
		Fixing Holes on Turnover=No	

Seams
S1=None

Damper:

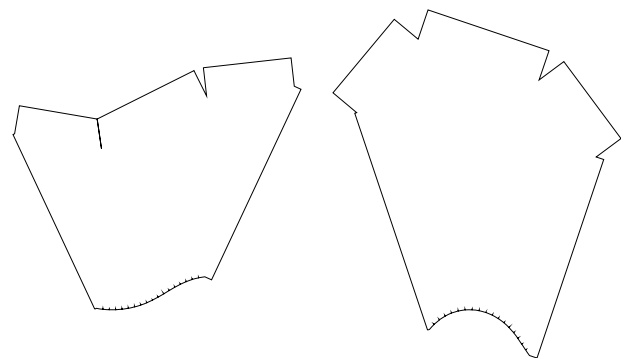
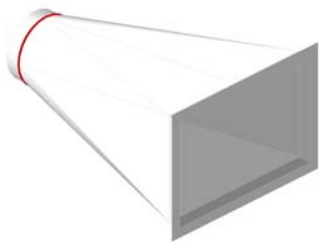
Dims		Options	Conn's
A=a		Cross Break=2	C1=TDC
B=b		Length Break=1	C2=GRC_Swage-Male
C=d		Diameter Type=Nominal	
D=h		Seam Position=Width	
E=m		Marker Type=Notch	
F=l		Estimated Diameter %age=Not Used	
G=Corner Radius		Offset Width=Left In	
		Offset Depth=Bottom Up	
		Inlet=1	
		Outlet=2	
		Fold Notch Depth=Full Allowance	
		V Notch Rectangular Extension=No	
		Seam Cut Back=None	
		Cut Back Allowance (%)=50.000	
		2 Parts 90 Degrees Seam=No	

Seams
S1=PITTS-S

Damper: None

Pattern: 451

Rectangular/Round



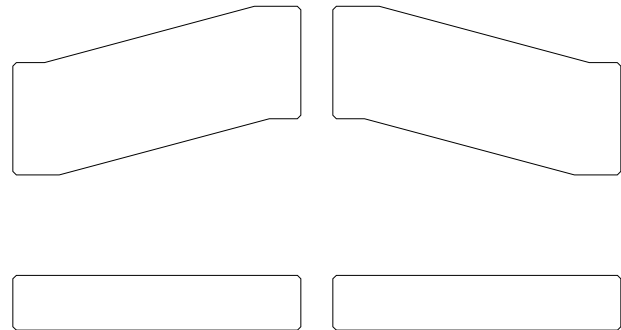
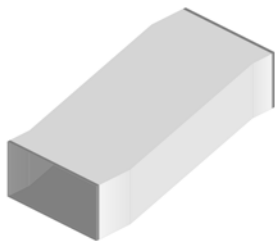
Dims	Options	Conn's
A=a	Cross Break=2	C1=TDC
B=b	Length Break=1	C2=GRC_Swage-Male
C=d	Diameter Type=Nominal	
D=e	Seam Position=Width	
E=f	Marker Type=Notch	
F=h	Estimated Diameter %age=Not Used	
G=m	Offset Width=Left In	
H=l	Offset Depth=Bottom Up	
I=Corner Radius	Inlet=1	
	Outlet=2	
	Fold Notch Depth=Full Allowance	
	V Notch Rectangular Extension=No	
	Seam Cut Back=None	
	Cut Back Allowance (%)=50.000	
	2 Parts 90 Degrees Seam=No	

Seams
S1=PITTS-S

Damper: None

Pattern: 460

Rectangular



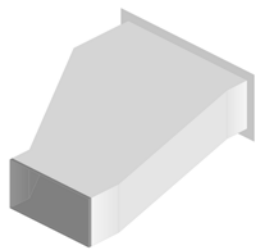
Dims	Options	Conn's
A=a	Vee Depth Male=Auto	C1=S&D
B=b	Vee Depth Female=Auto	C2=S&D
C=e	Vee Notch Angle=30.000	
D=h	Offset=Bottom Up	
E=m	Seam Cut Back=0.000	
F=l	Allow Central Tie Rods=No	
G=Angle	Insulation Parts=Same	
H=Left Extension	Split Mitre=No	
I=Right Extension		
J=Right Width		

Seams
S1=None

Damper: None
None

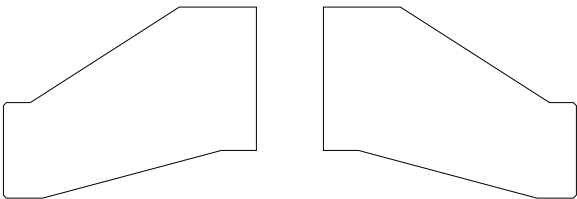
Pattern: 461

Rectangular



Dims	Options	Conn's
A=a	Vee Depth Male=Auto	C1=S&D
B=b	Vee Depth Female=Auto	C2=TDC
C=d	Vee Notch Angle=30.000	
D=e	Estimated Width Out %age=Not Used	
E=h	Offset=Bottom Up	
F=m	Seam Cut Back=0.000	
G=l	Allow Central Tie Rods=No	
H=Angle	Insulation Parts=Same	
I=Left Extension	Split Mitre=No	
J=Right Extension		
K=Right Width		

Seams
S1=None

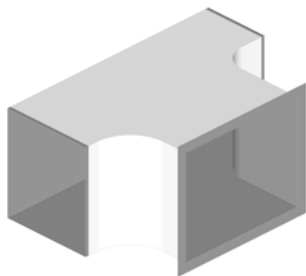


Damper: None
None



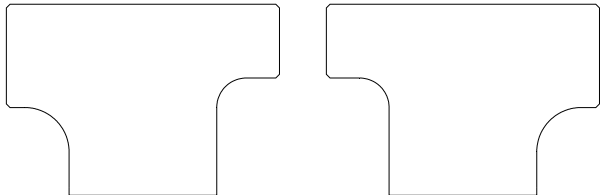
Pattern: 470

Rectangular

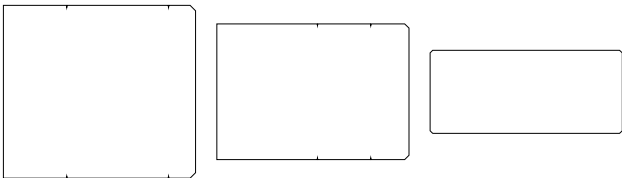


Dims	Options	Conn's
A=a	Throat Type=Radius	C1=S&D
B=b	3 Parts=No	C2=S&D
C=d	Vee Depth Male=Auto	C3=TDC
D=h	Vee Depth Female=Auto	
E=i	Vee Notch Angle=30.000	
F=j	Estimated Width Out %age=Not Used	
G=p	Hole Diameter=0.500	
H=q	Hole Spacing=2.000	
I=r	Splitters=No	
J=Splitter Distance	Inlet=1	
K=Left Width	Outlet=2	
L=Right Width	Insulation Parts=Same	

Seams
S1=None

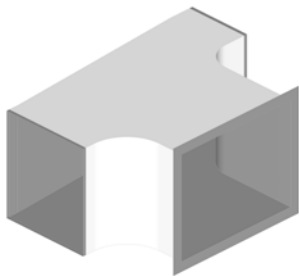


Damper:



Pattern: 471

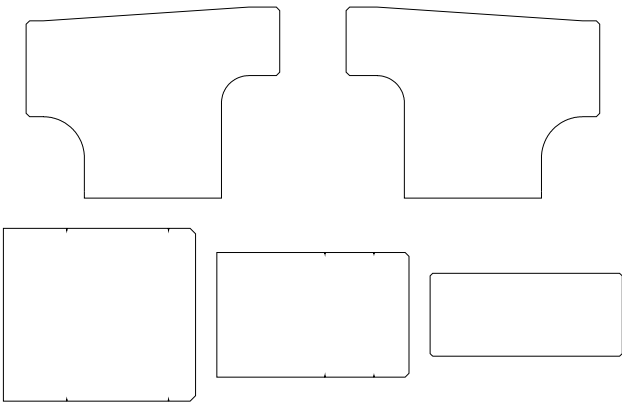
Rectangular



Dims	Options	Conn's
A=a	Throat Type=Radius	C1=S&D
B=b	3 Parts=No	C2=S&D
C=d	Vee Depth Male=Auto	C3=TDC
D=e	Vee Depth Female=Auto	
E=h	Vee Notch Angle=30.000	
F=i	Estimated Width Out %age=Not Used	
G=j	Hole Diameter=0.500	
H=p	Hole Spacing=2.000	
I=q	Splitters=No	
J=r	Inlet=1	
K=Splitter Distance	Outlet=2	
L=Left Width	Insulation Parts=Same	
M=Right Width		

Seams

S1=None



Damper:

Pattern: 472

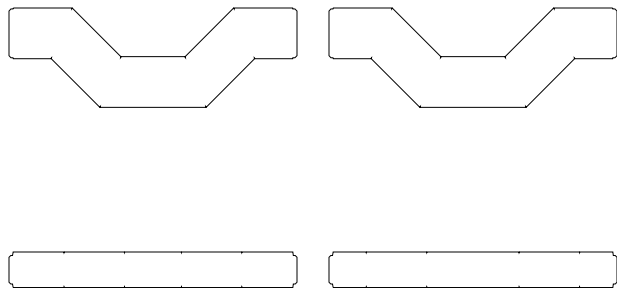
Rectangular



Dims	Options	Conn's
A=Left Width	Vee Depth Male=Auto	C1=S&D
B=Depth	Vee Depth Female=Auto	C2=S&D
C=Right Width	Vee Notch Angle=30.000	
D=Centre Length	Length Includes Extensions=No	
E=Left Extension	Centre Width=No	
F=Right Extension		
G=Offset		
H=Angle		
I=Total Length		

Seams

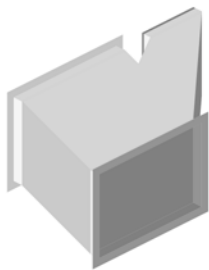
S1=PIITS-S



Damper:

Pattern: 480

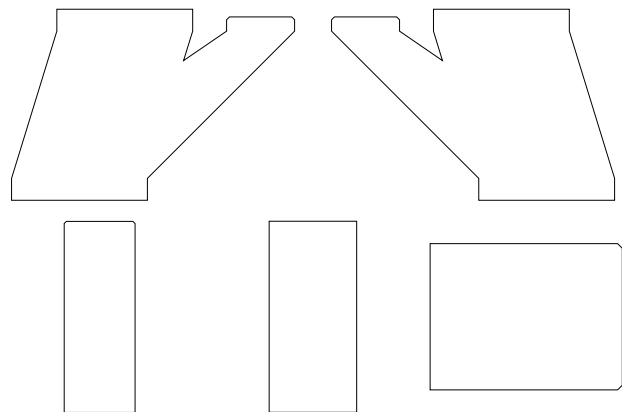
Rectangular



Dims		Options	Conn's
A=a		Vee Depth Male=Auto	C1=TDC
B=b		Vee Depth Female=Auto	C2=TDC
C=d		Vee Angle Male=30	C3=S&D
D=e		Vee Angle Female=30	
E=h		Offset Depth=Bottom Up	
F=i		Offset Width=Left Out	
G=j			
H=l			
I=m			
J=Branch Height			

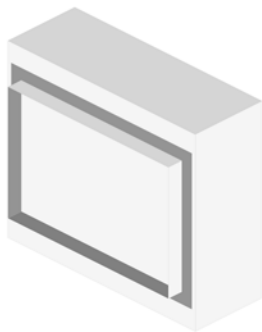
Seams
S1=None
S2=None

Damper:



Pattern: 501

Rectangular



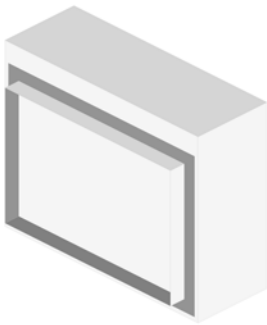
Dims		Options	Conn's
A=Width	B=Depth	Install Type=Plain	C1=TDC
C=Length	D=Inset	Control Type=Plain	C2=TDC
E=Sides	F=Top	Type=Single	
		Temperature Type=None	
		Draw Type=None	
		Lines=No	
		X-Offset=0.000	
		Y-Offset=0.000	
		Position=Left	
		Orientation=Vertically Down	
		Detail=Low	
		Cost Supports=No	
		Lines Type=Quantity	
		Lines=3.000	

Seams

Damper:

Pattern: 502

Rectangular



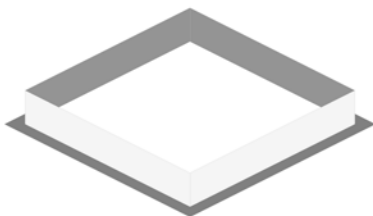
Dims		Options	Conn's
A=Width	B=Depth	Install Type=Plain	C1=TDC
C=Length	D=Inset	Control Type=Plain	C2=TDC
E=Sides	F=Top	Type=Single	
G=Bottom		Temperature Type=None	
		Draw Type=None	
		Lines=No	
		X-Offset=0.000	
		Y-Offset=0.000	
		Connector 1 Outside=No	
		Connector 2 Outside=No	
		Position=Left	
		Orientation=Vertically Down	
		Detail=Low	
		Cost Supports=No	
		Lines Type=Quantity	
		Lines=3.000	

Seams

Damper:

Pattern: 503

Rectangular



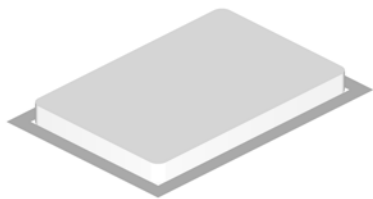
Dims		Options	Conn's
A=Width		Position From=Edge	C1=TDC
B=Depth		Lines=3	C2=Spiral Raw
C=Height		Rotation=0.000	
D=Plate Border (Width)		Arrows/Lines=None	
E=Plate Border (Depth)		Arrows/Lines Sides=0	
		Lines/Circles Spacing=1.000	
		Arrows Direction=Auto	
		Circles=No	
		Arrows Type=1	
		Shape=Rectangular	
		Diffuser Type=None	
		Number of Blades=20	
		Blade Shape=Curved	
		Grid Lines=20	
		Connector 4=Left	
		Connector 5=Left	
		Connector 6=Left	
		Connector 7=Left	
		Sides Angled=No	
		Connector 8=None	

Seams

Damper:

Pattern: 504

Rectangular



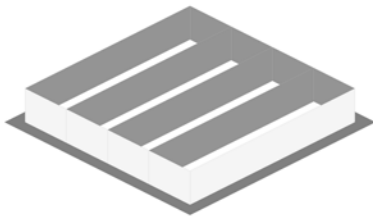
Dims	Options	Conn's
A=Width	Number Of Locks=0	C1=TDC
B=Depth	Area Of Influence X=0.000	C2=None
C=Turnover	Area Of Influence Y=0.000	
D=Corner Radius	Area Of Influence Z=0.000	
E=Inner Diameter	Mirror=No	
F=Outer Diameter	Dynamic Hole Adjust=Auto	
G=Depth #1		
H=Depth #2		
I=Inset		

Seams

Damper:

Pattern: 505

Rectangular



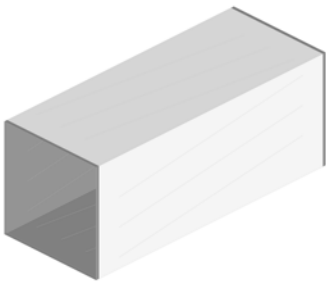
Dims	Options	Conn's
A=Width	Type=Supply	C1=TDC
B=Depth	Position From=Edge	C2=Spiral Raw
C=Height	Lines=3	
D=Plate Border (Width)	Rotation=0.000	
E=Plate Border (Depth)	Arrows/Lines=None	
	Arrows/Lines Sides=0	
	Lines/Circles Spacing=1.000	
	Arrows Direction=Auto	
	Circles=No	
	Arrows Type=1	
	Shape=Rectangular	
	Diffuser Type=None	
	Number of Blades=20	
	Blade Shape=Curved	
	Grid Lines=20	
	Connector 4=Left	
	Connector 5=Left	
	Connector 6=Left	
	Connector 7=Left	
	Sides Angled=No	
	Connector 8=None	
	Cost Supports=No	

Seams

Damper:

Pattern: 507

Rectangular



Dims	Options	Conn's
A=Width	Type=Plain	C1=S&D
B=Depth	Type=Single	C2=S&D
C=Length	Type=Multiple Banks	
D=Damper Angle	X-Offset=0.000	
	Y-Offset=0.000	
	Develop=No	
	Handle Points=6	

Seams

Damper:

Pattern: 509

Round/Flat Oval



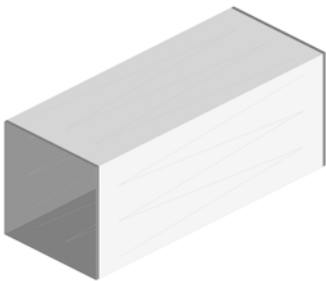
Dims	Options	Conn's
A=Diameter	Install Type=Plain	C1=GRC_Swage-Male
B=Length	Sex Type=Male	C2=GRC_Swage-Male
C=Inset	Control Type=Plain	
D=Sides	Type=Single	
E=Top	Draw Type=None	
F=Bottom	Temperature Type=None	
G=Oval Depth	Draw Type=None	
	Lines=No	
	X-Offset=0.000	
	Y-Offset=0.000	
	Position=Left	
	Orientation=Vertically Down	
	Detail=Low	
	Cost Supports=No	
	Lines Type=Quantity	
	Lines=3.000	

Seams

Damper:

Pattern: 514

Rectangular



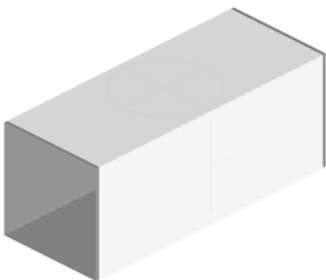
Dims		Options	Conn's
A=Width		Type=Plain	C1=S&D
B=Depth		Type=Single	C2=S&D
C=Length		Type=Multiple Banks	
D=Damper Angle		X-Offset=0.000	
		Y-Offset=0.000	
		Develop=No	
		Handle Points=6	

Seams

Damper:

Pattern: 518

Rectangular



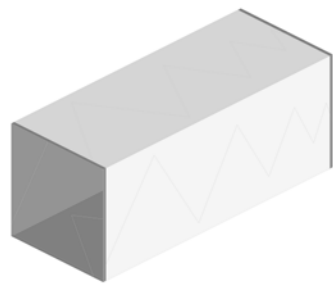
Dims		Options	Conn's
A=Width	B=Depth	Type=Heater	C1=S&D
C=Length		Chevron=0	C2=S&D
		Develop=No	

Seams

Damper:

Pattern: 519

Rectangular



Dims		Options	Conn's
A=Width	B=Depth	Draw Type=Attenuator	C1=S&D
C=Length		Develop=No	C2=S&D
		Lines Type=Quantity	
		Lines=3.000	

Seams

Damper:

Pattern: 521

Rectangular/Standard



Dims		Options	Conn's
A=Width	B=Depth	Inlet=1	
C=Length		Outlet=1	
		Library=Duct	
		Type=None	
		Cost Supports=No	

Seams

Damper:

Pattern: 522

Round/Flat Oval



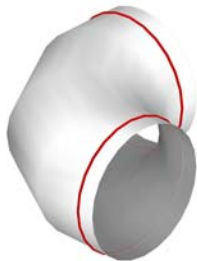
Dims	Options	Conn's
A=Diameter	Sex Type=Male	C1=GRC_Swage-Male
B=Collar		C2=GRC_Swage-Male
C=Length		
D=Offset		
E=Oval Depth		

Seams
S1=1/2 Lap (F)

Damper:

Pattern: 523

Round



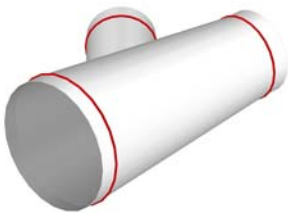
Dims	Options	Conn's
A=Diameter	Number Of Segments=4	C1=GRC_Swage-Male
B=Inner Radius	Diameter Type=Nominal	C2=GRC_Swage-Male
C=Angle	Angle Tolerance=0.000	C3=GRC_Swage-Male
D=Bottom Extension	Mark Sides=No	
E=Top Extension	Leg Lengths=No	
	Fixing Holes On Extension=Yes	
	Square Outer Insulation=No	
	Outer Insulation Extensions=No	
	Splitters=0	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Splitter Shape=Angled	
	Splitter Type=Partial	
	Item Volume=Segmented	
	Develop=No	

Seams
S1=None

Damper: None
None

Pattern: 524

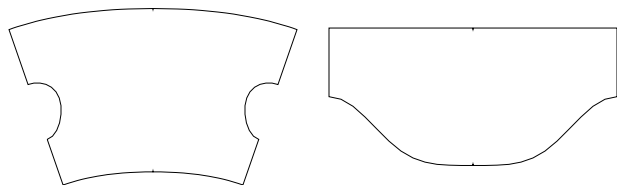
Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Diameter	Branch Parts=1	C2=GRC_Swage-Male
C=Pipe Length	Seam Position=On Hole	C3=GRC_Swage-Male
D=Y-Offset	Diameter Type BE=Nominal	
E=Left Extension	Diameter Type SE=Nominal	
F=Right Extension	Branch Diameter Type=Nominal	
G=Branch Diameter	Hole Adjust=0.000	
H=Branch Length	Branch Allowance To Pipe=0.000	
I=Angle	Throat Cut Back (Degrees)=0.000	
J=Inset		
K=Extension		

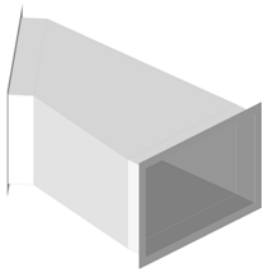
Seams
S1=None
S2=None

Damper:



Pattern: 525

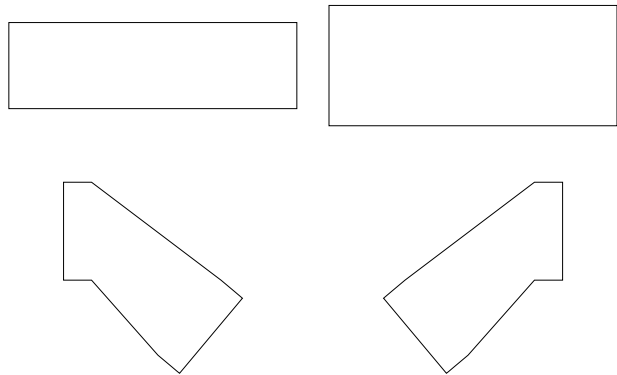
Rectangular



Dims	Options	Conn's
A=Width In	Folds=Out	C1=TDC
B=Depth In	Offset Width=Right In	C2=TDC
C=Width Out		
D=Depth Out		
E=Length		
F=Angle		
G=Extension In		
H=Extension Out		
I=Offset Width		

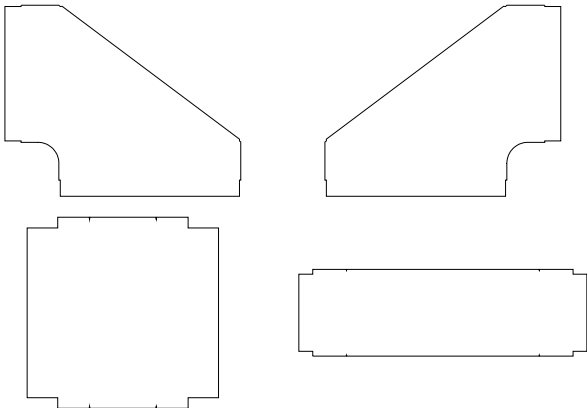
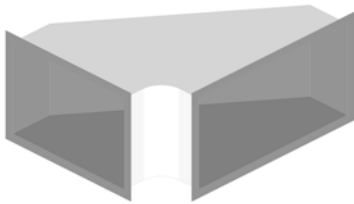
Seams
S1=None

Damper:



Pattern: 526

Rectangular



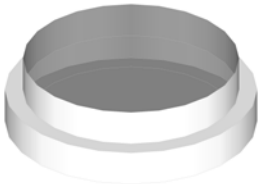
Dims	Options	Conn's
A=Top Width	Throat Type=Radius	C1=TDC
B=Depth	Length Adjust For Part 4=0.000	C2=TDC
C=Btm Width	Length Adjust For Part 3=0.000	
D=Top Inner Extension	Vee Depth Male=Auto	
E=Bottom Inner Extension	Vee Depth Female=Auto	
F=Inner Radius	Vee Angle Male=30	
G=Top Outer Extension	Vee Angle Female=30	
H=Bottom Outer Extension	Auto Oversize=Normal	
	Seam Number For Throat=	
	Leg Lengths=No	
	Allow Central Tie Rods=Yes	
	Riser Bend=No	
	Folding Lines=No	
	Mark Splitter Sides=No	
	Insulation Parts=Same	
	Draw Custom Insulation=No	

Seams
S1=PIITS-S
S2=None

Damper:

Pattern: 530

Round/Flat Oval



Dims	Options	Conn's
A=Diameter	Sex Type=Male	C1=GRC_Swage-Male
B=Collar	Extension includes Diameter=No	C2=GRC_Swage-Male
C=Length	Type=None	
D=Offset	Circles=0	
E=Oval Depth	Cost Supports=No	

Seams
S1=1/2 Lap (F)

Damper:

Pattern: 533

Round/Flat Oval



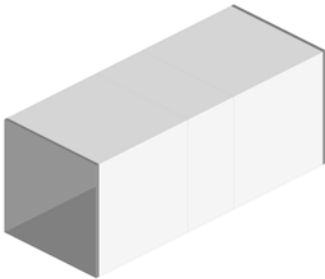
Dims		Options	Conn's
A=Diameter		Install Type=Plain	C1=GRC_Swage-Male
B=Width		Sex Type=Male	C2=GRC_Swage-Male
C=Depth		Control Type=Plain	
D=Length		Type=Single	
E=Inset		Draw Type=None	
F=Inset		Temperature Type=None	
G=Sides		Draw Type=None	
H=Top		Lines=No	
I=Bottom		X-Offset=0.000	
J=Collar		Y-Offset=0.000	
K=Right Collar		Position=Left	
L=Oval Depth		Orientation=Vertically Down	
		Detail=Low	
		Cost Supports=No	
		Lines Type=Quantity	
		Lines=3.000	

Seams

Damper:

Pattern: 535

Rectangular



Dims		Options	Conn's
A=Width	B=Depth	Draw Type=None	C1=S&D
C=Length		Develop=No	C2=S&D
		Lines Type=Quantity	
		Lines=3.000	

Seams

Damper:

Pattern: 555

Round/Flat Oval



Dims	Options	Conn's
A=Diameter	Type=Plain	C1=GRC_Swage-Male
B=Collar	Sex Type=Male	C2=GRC_Swage-Male
C=Length	Pattern=Single	
D=Oval Depth	Mirror=No	
	Mirror View=No	
	X-Offset=0.000	
	Y-Offset=0.000	
	Cost Supports=No	

Seams
S1=1/2 Lap (F)

Damper:

Pattern: 556

Round/Flat Oval



Dims	Options	Conn's
A=Diameter	Sex Type=Male	C1=GRC_Swage-Male
B=Collar	Draw Type=Plain	C2=GRC_Swage-Male
C=Length	Lines Type=Quantity	
D=Offset	Lines=3.000	
E=Oval Depth		

Seams
S1=1/2 Lap (F)

Damper:

Pattern: 580

Round



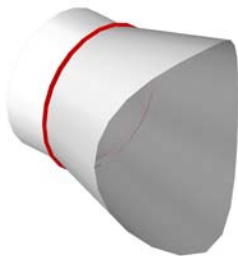
Dims	Options	Conn's
A=Width	Pipe Diameter Type=Nominal	C1=SE Oval
B=Branch Width #1	Branch Diameter Type=Nominal	C2=SE Oval
C=Branch Depth #1	Outline Only=Yes	C3=SE Oval
D=Panel Depth	Show Duct=No	
E=Handle Top Diameter	Handle Points=6	
F=Handle Bottom Diameter		
G=Handle Top Length		
H=Handle Bottom Length		
I=Handle Inset		

Seams
S1=None
S2=None

Damper:

Pattern: 751

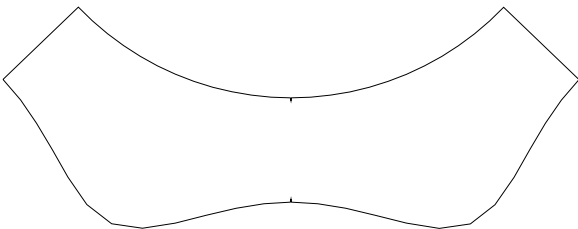
Round



Dims	Options	Conn's
A=Pipe Diameter	Branch Parts=1	C1=None
B=Branch Diameter	Seam Position=0.000	C2=None
C=Branch Length	Pipe Diameter Type=Nominal	C3=GRC_Swage-Male
D=Angle	Branch Diameter Type=Nominal	
E=Collar	Hole Adjust=0.000	
F=Btm Width	Branch Allowance To Pipe=0.000	
	Branch Seam Position=0.000	
	Plate Border=0.000	
	Plate Type=Rectangular	
	Input=Angle	
	Plate Border (Width)=Auto	
	Reducer Parts=1	

Seams
S1=None
S2=None

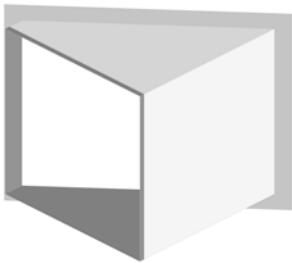
Damper: None
None
None



Pattern: 760

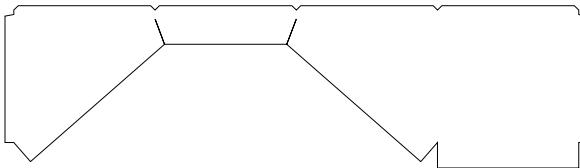
Rectangular

Dims		Options	Conn's
A=Width	B=Depth	Branch Parts=1	C1=S&D
C=Length #1	D=Angle	Input=Both Lengths	C2=TDC
E=Length #2	F=Width		



Seams
S1=PIITS-S

Damper:



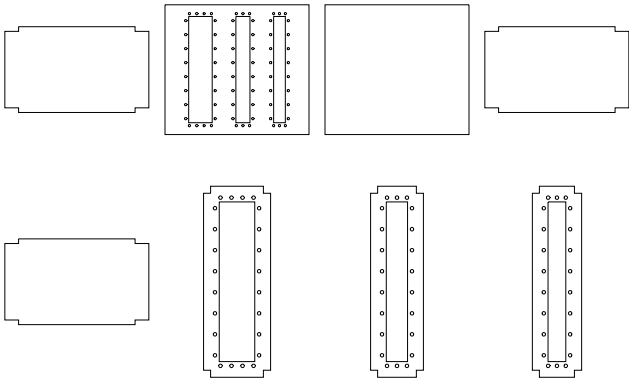
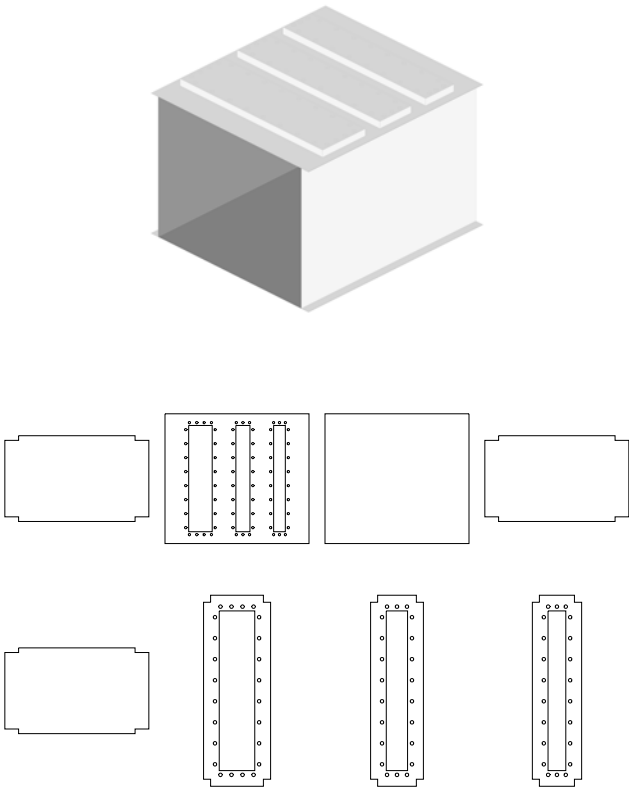
Pattern: 764

Rectangular

Dims				Options	Conn's
A=a	B=b	C=c	D=d	Hole=Top	C1=TDC
E=e	F=f	G=g	H=h	Hole=Top	C2=TDC
I=i	J=J1	K=J2	L=J3	Hole=Top	
M=K1	N=K2	O=K3	P=l	Number of Holes - Side A=8	
Q=p	R=r			Number of Holes - Side L=4	
				Number of Holes - Side L=3	
				Number of Holes - Side L=3	
				Hole Diameter=0.400	
				Hole Inset=Auto	
				Vee Notch Depth=0.100	
				Vee Notch Angle=30.000	
				2 Parts=No	
				Door Size Reduction=0.000	
				Holes Draw Detail=Auto	
				Add CAD Nodes=No	

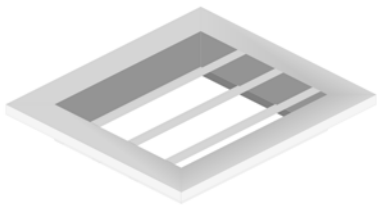
Seams

Damper:



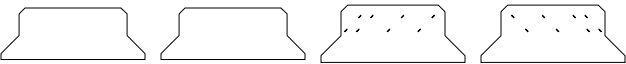
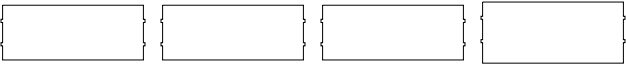
Pattern: 765

Rectangular



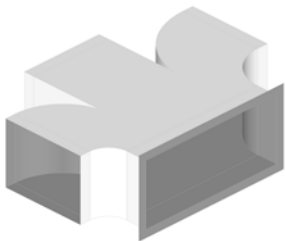
Dims		Options	Conn's
A=b	B=g	Corners=No	Seams
C=h	D=Angle	Sides=Angle	
E=o	F=p	x=0.200	
G=r	H=s	y=0.400	
I=t		z=0.800	
		v=0.800	
		u=0.080	
		w=0.080	
		e=0.080	
		f=0.080	
		i=0.000	
		j=0.000	

Damper:



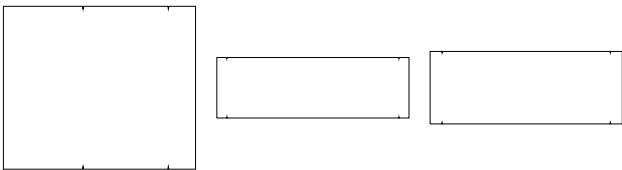
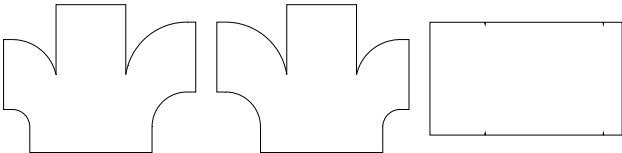
Pattern: 800

Rectangular



Dims		Options	Conn's
A=Btm Width		Right Throat Type=Radius	C1=TDC
B=Depth		Left Throat Type=Radius	C2=None
C=Top Width		Vee Depth Male=Auto	C3=None
D=Right Width		Vee Depth Female=Auto	C4=None
E=Left Width		Vee Angle Male=30	
F=Height		Vee Angle Female=30	
G=Right Height		Right Heel Type=Radius	
H=Left Height		Left Heel Type=Radius	
I=Right Radius		Junction Notch=Use Default	
J=Left Radius		Vee Notch Angle=20.000	
K=Right Angle		2 Part Wrapper=No	
L=Left Angle		Top Right=Straight	
M=Btm Right Extension		Top Left=Straight	
N=Btm Left Extension		Outlet=2	
O=Right Extension		Insulation Parts=Same	
P=Left Extension			
Q=Top Extension			

Damper:

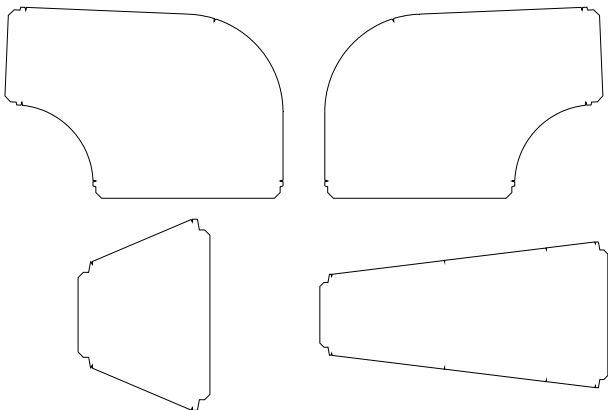


Pattern: 801

Rectangular



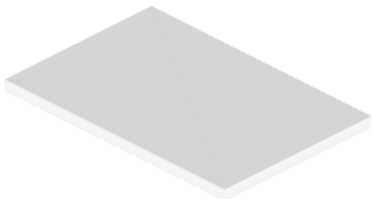
Dims		Options	Conn's
A=Btm Width		Throat Type=Radius	C1=S&D
B=Btm Depth		Vee Depth Male=Auto	C2=S&D
C=Top Width		Vee Depth Female=Auto	
D=Top Depth		Vee Angle Male=30	
E=Angle		Vee Angle Female=30	
F=Top Extension		Offset=Top Down	
G=Bottom Extension		Bending=Left	
H=Inner Radius		Allow Central Tie Rods=Yes	
I=Outer Radius		Straight Edge Wrappers=No	
J=Offset		Splitters=0	
		Splitter Slit Angle=10.000	
		Intersect Splitter Holes=No	
			Seams
			S1=PIITS-S



Damper:

Pattern: 802

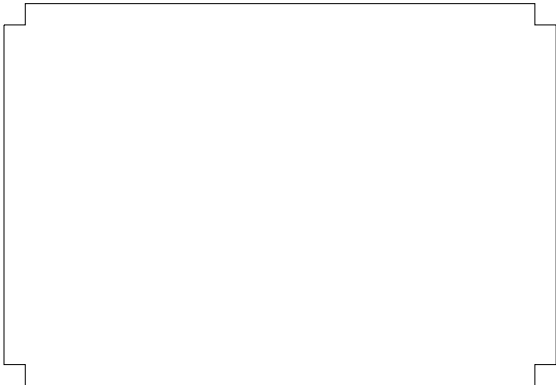
Rectangular



Dims		Options	Conn's
A=Width	B=Depth	Vee Notch Angle=90	C1=None
C=Turnover		Duct Adjust=0.000	C2=None
		Mirror=No	
		Symbol=Yes	

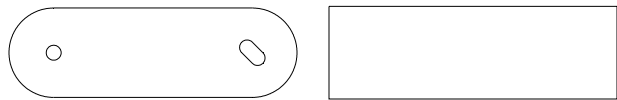
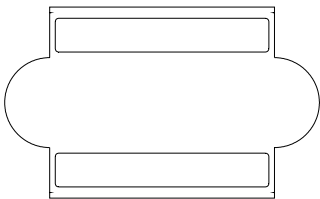
Seams

Damper:



Pattern: 803

Standard



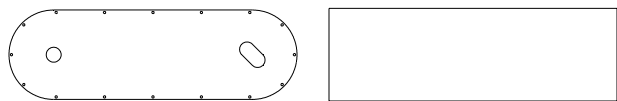
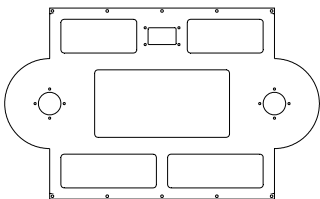
Dims	Options	Conn's
A=Length	Wrapper Width Adjust=0.080	
B=Radius	Side Holes=Single	
C=Depth	Hole Length=4.000	
D=Turnover	Hole Width=0.800	
E=Border	X Distance=0.800	
F=Corner Radius	Y Distance=0.800	
G=Hole Diameter		
H=Slot Width		
I=Slot Length		
J=Slot Angle		

Seams

Damper:

Pattern: 804

Standard



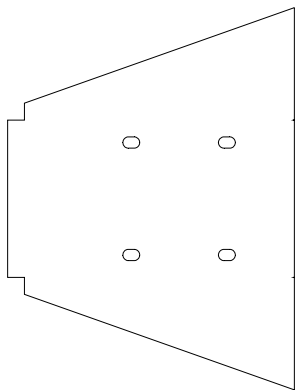
Dims	Options	Conn's
A=Length	Wrapper Width Adjust=0.080	
B=Radius	Centre Hole=Yes	
C=Depth	Side Holes=Yes	
D=Turnover	Centre Hole=Yes	
E=Border		
F=Corner Radius		
G=Hole Diameter		
H=Slot Width		
I=Slot Length		
J=Slot Angle		
K=Fixing Hole Diameter		
L=Edge Hole Diameter		
M=Hole Spacing		
N=Border		
O=Hole Diameter		
P=P.C.D.		
Q=Hole Length		
R=Hole Width		
S=Corner Radius		
T=Hole Spacing		

Seams

Damper:

Pattern: 805

Standard



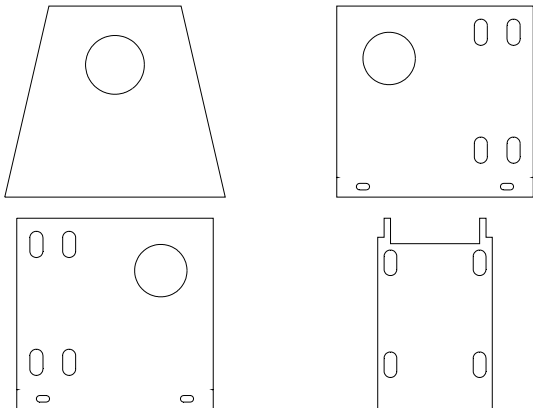
Dims	Options	Conn's
A=Width		
B=Length		
C=Height		
D=Turnover		
E=Y Distance		
F=X Distance		
G=Inset		
H=Hole Length		
I=Hole Width		

Seams

Damper:

Pattern: 806

Standard



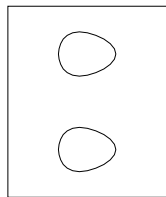
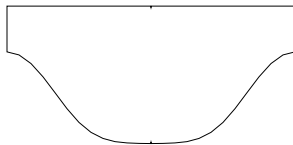
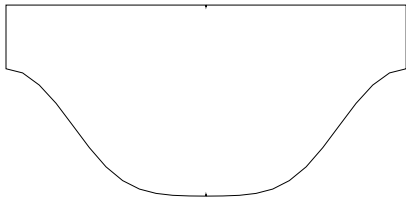
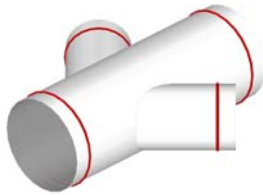
Dims	Options	Conn's
A=Top Width	Width Adjust=0.000	
B=Btm Width	Side Holes=Yes	
C=Height	3 Parts=Yes	
D=Length	Allowance=Thickness	
E=Hole Inset		
F=Hole Diameter		
G=Turnover		
H=Hole Spacing		
I=Hole Inset		
J=Hole Offset		
K=Hole Length		
L=Hole Width		
M=Hole Spacing		
N=Hole Spacing		
O=Hole Inset		
P=Hole Length		
Q=Hole Width		
R=Length		
S=Distance		
T=Distance		
U=Length		
V=Hole Inset		
W=Hole Offset		
X=Hole Spacing		
Y=Hole Spacing		
Z=Hole Length		
a=Hole Width		
b=Outside Corner Radius		

Seams

Damper:

Pattern: 807

Round/Fabrication



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	First Break=0.000	C3=GRC_Swage-Male
D=Right Extension	Second Break=0.000	C4=GRC_Swage-Male
E=Branch Diameter #1	Third Break=0.000	
F=Branch Length #1	Seam Position=0.000	
G=Angle #1	Pipe Diameter Type=Nominal	
H=Inset #1	Branch Diameter Type=Nominal	
I=Offset #1	Branch Diameter Type=Nominal	
J=Rotation #1	Hole Adjust=0.000	
K=Extension #1	Branch Allowance To Pipe=0.000	
L=Branch Diameter #2	Branch Seam Position=0.000	
M=Branch Length #2	Throat Cut Back (Degrees)=0.000	
N=Angle #2	Plate Border (Circumference)=0.000	
O=Inset #2	Plate Type=Rectangular	
P=Offset #2	Estimated Diameter %age=Not Used	
Q=Rotation #2	Cut Back Allowance (%)=0.000	
R=Extension #2	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	
	End Castle Width =0.000	
	End Castle Angle=30.000	

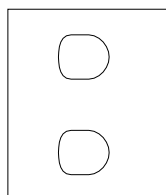
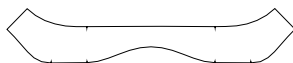
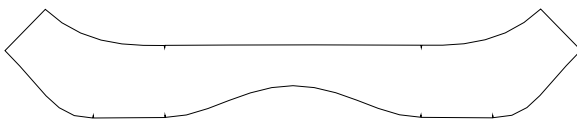
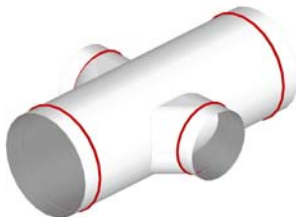
Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 808

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	Pipe Seam Position=0.000	C3=GRC_Swage-Male
D=Right Extension	Branch Seam Position=Throat	C4=GRC_Swage-Male
E=Branch Diameter	Pipe Diameter Type=Nominal	
F=Branch Length	Branch Diameter Type=Nominal	
G=Angle	Branch Diameter Type=Nominal	
H=Inset	Branch Allowance To Pipe=0.000	
I=Offset	Hole Adjust=0.000	
J=Rotation	Straight Notch=No	
K=Collar	Plate Border=0.000	
L=Branch Diameter	Plate Type=Rectangular	
M=Branch Length	Plate Border (Width)=Auto	
N=Angle	Inset=Front	
O=Inset		
P=Offset		
Q=Rotation		
R=Collar		

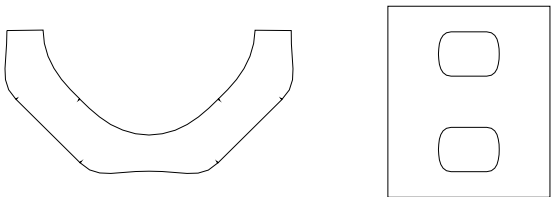
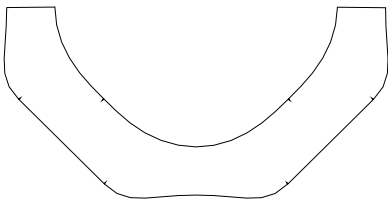
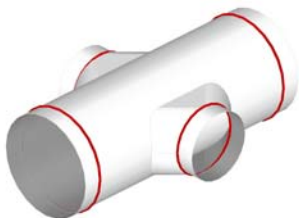
Seams

S1=None
S2=None
S3=None

Damper: None
None

Pattern: 809

Round



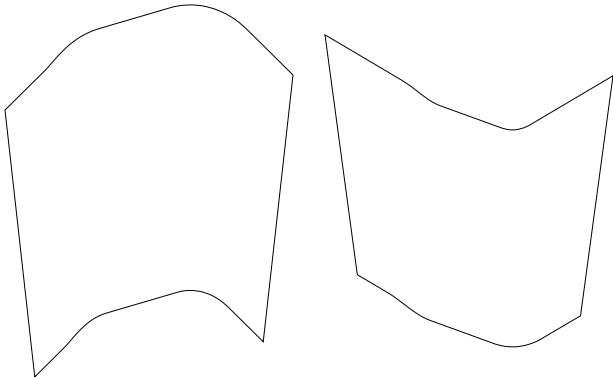
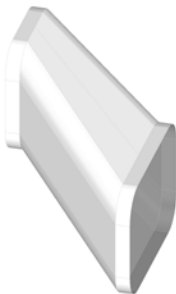
Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	Seam Position=0.000	C3=GRC_Swage-Male
D=Right Extension	Pipe Diameter Type=Nominal	C4=GRC_Swage-Male
E=Branch Diameter	Branch Diameter Type=Nominal	
F=Branch Length	Branch Diameter Type=Nominal	
G=Angle	Branch Allowance To Pipe=0.000	
H=Inset	Hole Adjust=0.000	
I=Offset	Plate Border=0.000	
J=Rotation	Plate Type=Rectangular	
K=Collar	Plate Border (Width)=Auto	
L=Branch Diameter		
M=Branch Length		
N=Angle		
O=Inset		
P=Offset		
Q=Rotation		
R=Collar		

Seams
S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 810

Rectangular/Round



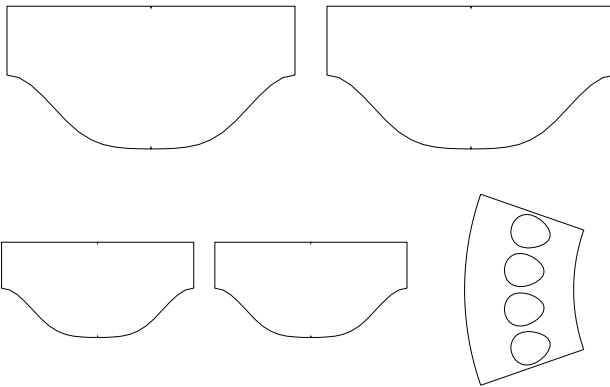
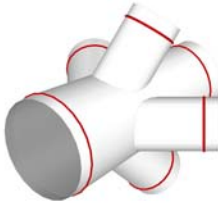
Dims	Options	Conn's
A=Width In	Cross Break=2	C1=TDC
B=Depth In		C2=GRC_Swage-Male
C=Radius In		
D=Width Out		
E=Depth Out		
F=Radius Out		
G=Length		
H=Angle In		
I=Angle Out		
J=Offset Width		
K=Offset Depth		
L=Extension In		
M=Extension Out		

Seams
S1=PIITS-S

Damper:

Pattern: 811

Round



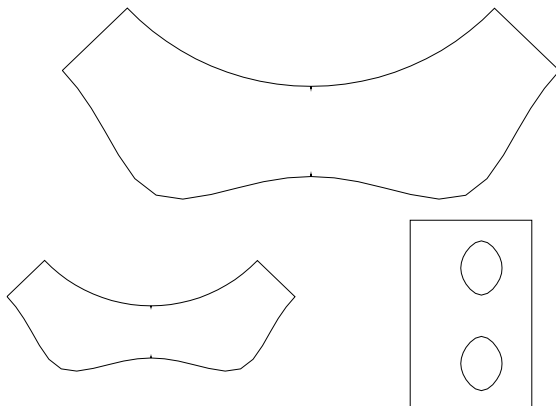
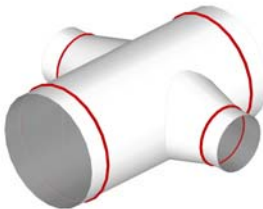
Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Diameter	Branch Parts=1	C2=GRC_Swage-Male
C=Pipe Length	First Break=0.000	C3=GRC_Swage-Male
D=Left Extension	Second Break=0.000	C4=GRC_Swage-Male
E=Right Extension	Third Break=0.000	C5=GRC_Swage-Male
F=Branch Diameter #1	Seam Position=45.000	C6=GRC_Swage-Male
G=Branch Length #1	Diameter Type BE=Nominal	
H=Angle #1	Diameter Type SE=Nominal	
I=Inset #1	Branch Diameter Type=Nominal	
J=Offset #1	Branch Diameter Type=Nominal	
K=Rotation #1	Branch Diameter Type=Nominal	
L=Extension #1	Hole Adjust=0.000	
M=Branch Diameter #2	Branch Allowance To Pipe=0.000	
N=Branch Length #2	Branch Seam Position=0.000	
O=Angle #2	Throat Cut Back (Degrees)=0.000	
P=Inset #2	Estimated Diameter %age=Not Used	
Q=Offset #2	Cut Back Allowance (%)=0.000	
R=Rotation #2	End Castle Width =0.000	
S=Extension #2	End Castle Angle=30.000	
T=Branch Diameter #3		
U=Branch Length #3		
V=Angle #3		
W=Inset #3		
X=Offset #3		
Y=Rotation #3		
Z=Extension #3		
a=Branch Diameter #4		
b=Branch Length #4		
c=Angle #4		
d=Inset #4		
e=Offset #4		

Seams

S1=None
S2=None
S3=None
S4=None
S5=None
Damper: None
None
None
None
None

Pattern: 812

Round/Fabrication



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	Seam Position=0.000	C3=GRC_Swage-Male
D=Right Extension	Pipe Diameter Type=Nominal	C4=GRC_Swage-Male
E=Branch Diameter	Branch Diameter Type=Nominal	
F=Branch Length	Branch Diameter Type=Nominal	
G=Angle	Hole Adjust=0.000	
H=Inset	Branch Allowance To Pipe=0.000	
I=Rotation	Branch Seam Position=0.000	
J=Collar	Plate Border=0.000	
K=Branch Diameter	Plate Type=Rectangular	
L=Branch Length	Input=Angle	
M=Angle	Plate Border (Width)=Auto	
N=Inset	Reducer Parts=1	
O=Rotation		
P=Collar		
Q=Btm Width		
R=Btm Width		

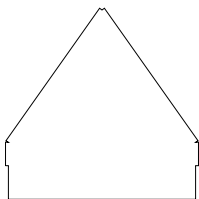
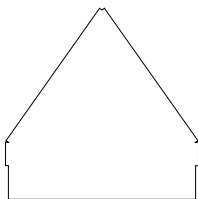
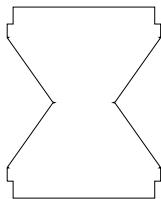
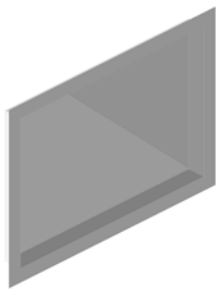
Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None

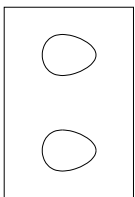
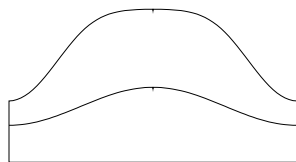
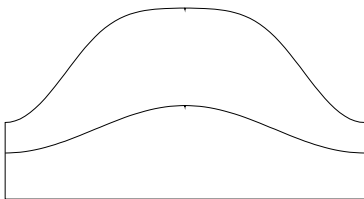
Pattern: 813

Rectangular



Pattern: 814

Round



Dims		Options	Conn's
A=Length	B=Width	Vee Depth Male=Auto	C1=TDC
C=Height	D=Angle	Vee Depth Female=Auto	
E=Extension		Vee Notch Angle=30.000	
		Use Vee Notch=No	
		Number Of Parts=3	

Seams
S1=PITTS-S

Damper:

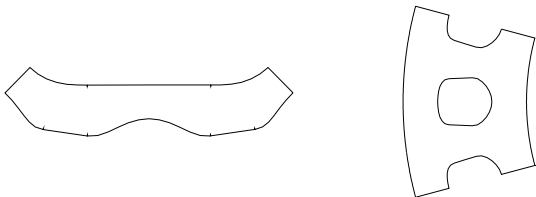
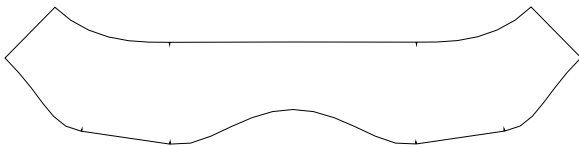
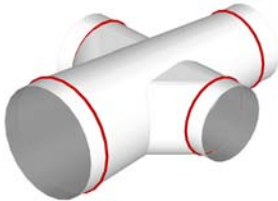
Dims		Options	Conn's
A=Pipe Diameter		Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length		Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension		First Break=0.000	C3=GRC_Swage-Male
D=Right Extension		Second Break=0.000	C4=GRC_Swage-Male
E=Branch Diameter		Third Break=0.000	C5=GRC_Swage-Male
F=Branch Length		Seam Position=0.000	C6=GRC_Swage-Male
G=Angle		Pipe Diameter Type=Nominal	
H=Inset		Branch Diameter Type=Nominal	
I=Offset		Branch Diameter Type=Nominal	
J=Rotation		Hole Adjust=0.000	
K=Extension		Branch Allowance To Pipe=0.000	
L=Collar		Throat Cut Back (Degrees)=0.000	
M=Branch Diameter		Reducer Parts=1	
N=Branch Length		Branch Inset=Front	
O=Angle			
P=Inset			
Q=Offset			
R=Rotation			
S=Extension			
T=Collar			

Seams
S1=None
S2=None
S3=None

Damper:

Pattern: 815

Round



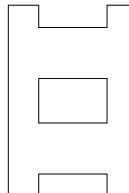
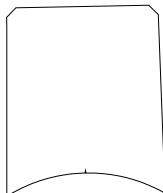
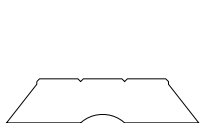
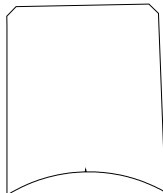
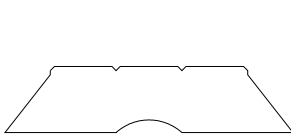
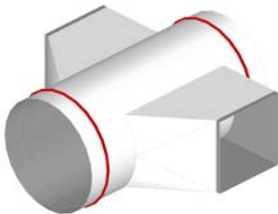
Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Diameter	Branch Parts=1	C2=GRC_Swage-Male
C=Pipe Length	Seam Position=270.000	C3=GRC_Swage-Male
D=Left Collar	Seam Position=Throat	C4=GRC_Swage-Male
E=Right Collar	Diameter Type BE=Nominal	
F=Branch Diameter	Diameter Type SE=Nominal	
G=Branch Length	Branch Diameter Type=Nominal	
H=Angle	Branch Diameter Type=Nominal	
I=Inset	Hole Adjust=0.000	
J=Offset	Branch Allowance To Pipe=0.000	
K=Rotation		
L=Collar		
M=Branch Diameter		
N=Branch Length		
O=Angle		
P=Inset		
Q=Offset		
R=Rotation		
S=Collar		

Seams
S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 817

Round



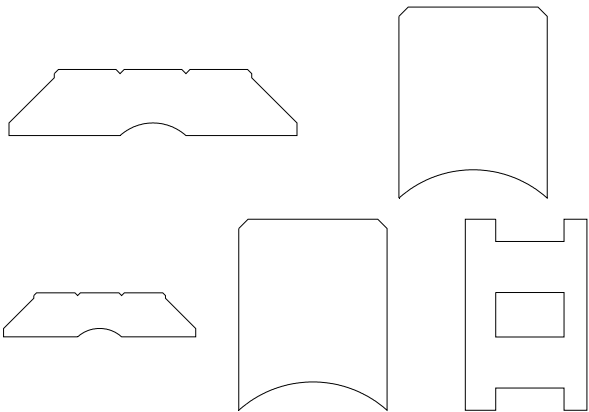
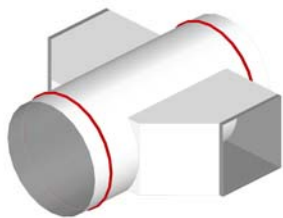
Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Round Allowance To Pipe=0.000	C2=GRC_Swage-Male
C=Left Extension	Flat Allowance To Pipe=0.000	C3=S&D
D=Right Extension	Pipe Parts=1	C4=S&D
E=Branch Width	Branch Parts=2	
F=Branch Depth	First Break=0.000	
G=Branch Length	Second Break=0.000	
H=Angle	Third Break=0.000	
I=Inset	Pipe Seam Position=270.000	
J=Offset	Hole Adjust=0.000	
K=Rotation	Plate Border=0.000	
L=Extension	Castle Width=0.000	
M=Branch Width	Castle Angle=30.000	
N=Branch Depth	Plate Border (Width)=Auto	
O=Branch Length		
P=Angle		
Q=Inset		
R=Offset		
S=Rotation		
T=Extension		

Seams
S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 818

Round



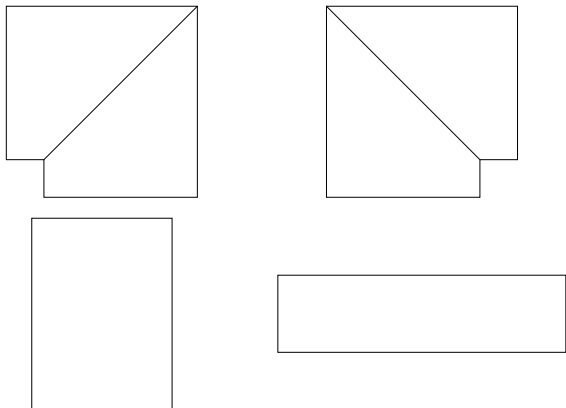
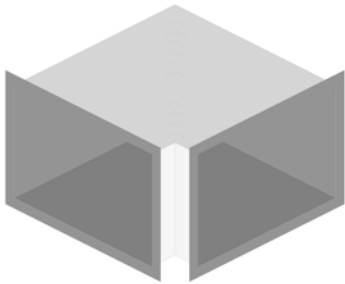
Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Round Allowance To Pipe=0.000	C2=GRC_Swage-Male
C=Left Extension	Flat Allowance To Pipe=0.000	C3=S&D
D=Right Extension	Pipe Parts=1	C4=S&D
E=Branch Width	Branch Parts=2	C5=GRC_Swage-Male
F=Branch Depth	First Break=0.000	
G=Branch Length	Second Break=0.000	
H=Angle	Third Break=0.000	
I=Inset	Pipe Seam Position=270.000	
J=Offset	Hole Adjust=0.000	
K=Rotation	Plate Border=0.000	
L=Extension	Throat Clearance=0.000	
M=Branch Width	Castle Width=0.000	
N=Branch Depth	Castle Angle=30.000	
O=Branch Length	Plate Border (Width)=Auto	
P=Angle		
Q=Inset		
R=Offset		
S=Rotation		
T=Extension		
U=Reducer Diameter		
V=Reducer Length		

Seams
S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 819

Rectangular



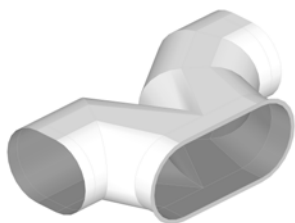
Dims	Options	Conn's
A=Top Width	Length Adjust For Part 4=0.000	C1=TDC
B=Depth	Length Adjust For Part 3=0.000	C2=TDC
C=Angle	Vee Depth Male=Auto	
D=Top Inner Extension	Vee Depth Female=Auto	
E=Bottom Extension	Vee Angle Male=30	
	Vee Angle Female=30	
	3 Parts=No	
	Seam Number For Throat=	
	Attenuator=No	
	Leg Lengths=No	
	Allow Central Tie Rods=Yes	
	Riser Bend=No	
	Mark Splitter Sides=No	
	Insulation Parts=Same	
	Draw Custom Insulation=No	

Seams
S1=None

Damper:

Pattern: 820

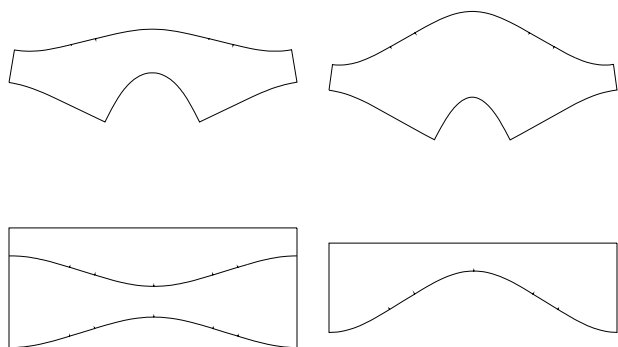
Round/Flat Oval



Dims	Options	Conn's
A=Btm Width	Bottom Diameter Type=Nominal	C1=AccuFlange
B=Btm Depth	Top Diameter Type=Nominal	C2=SE Oval
C=Right Width	Right Diameter Type=Nominal	C3=SE Oval
D=Right Depth	Left Diameter Type=Nominal	C4=AccuFlange
E=Left Width	Number Of Segments=2	C5=SE Oval
F=Left Depth	Number Of Segments=1	C6=SE Oval
G=Right Height	Single Segments=No	
H=Left Height	Marker Type=Notch	
I=Right Radius		
J=Left Radius		
K=Right Angle		
L=Left Angle		
M=Bottom Extension		
N=Right Extension		
O=Left Extension		

Seams
S1=1/2 Lap (F)

Damper:



Pattern: 821

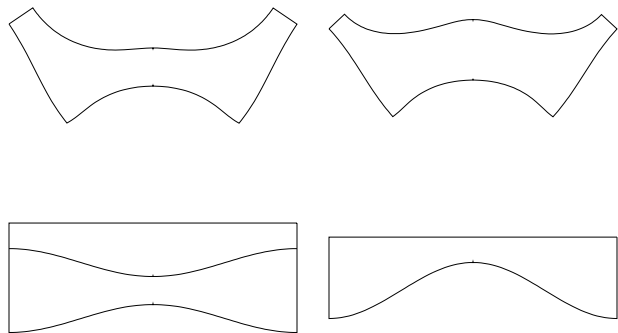
Round



Dims	Options	Conn's
A=Bottom Diameter	Bottom Diameter Type=Nominal	C1=GRC_Swage-Male
B=Right Diameter	Right Diameter Type=Nominal	C2=GRC_Swage-Male
C=Left Diameter	Left Diameter Type=Nominal	C3=GRC_Swage-Male
D=Right Radius	Number Of Segments=2	C4=GRC_Swage-Male
E=Left Radius	Number Of Segments=1	C5=GRC_Swage-Male
F=Right Angle	Single Segments=No	C6=GRC_Swage-Male
G=Left Angle	Marker Type=Notch	
H=Bottom Extension		
I=Right Extension		
J=Left Extension		

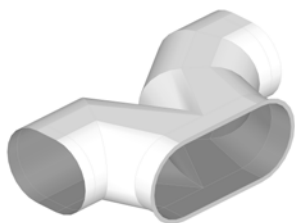
Seams
S1=None

Damper:



Pattern: 822

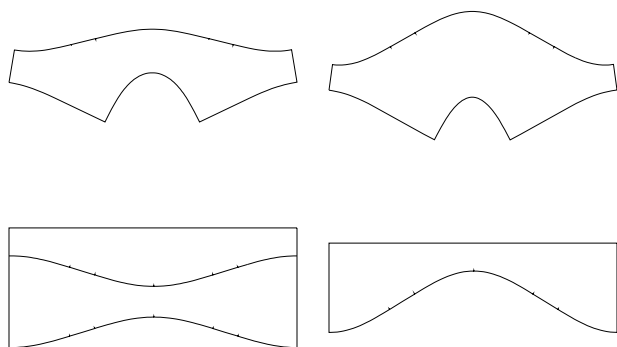
Round/Flat Oval



Dims	Options	Conn's
A=Btm Width	Bottom Diameter Type=Nominal	C1=AccuFlange
B=Btm Depth	Top Diameter Type=Nominal	C2=SE Oval
C=Right Width	Right Diameter Type=Nominal	C3=SE Oval
D=Right Depth	Left Diameter Type=Nominal	C4=AccuFlange
E=Left Width	Number Of Segments=2	C5=SE Oval
F=Left Depth	Number Of Segments=1	C6=SE Oval
G=Right Height	Single Segments=No	
H=Left Height	Marker Type=Notch	
I=Right Radius		
J=Left Radius		
K=Right Angle		
L=Left Angle		
M=Bottom Extension		
N=Right Extension		
O=Left Extension		

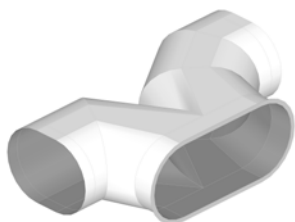
Seams
S1=1/2 Lap (F)

Damper:



Pattern: 823

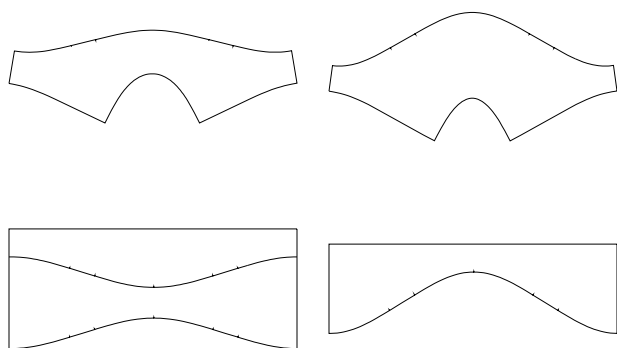
Round/Flat Oval



Dims	Options	Conn's
A=Btm Width	Bottom Diameter Type=Nominal	C1=AccuFlange
B=Btm Depth	Top Diameter Type=Nominal	C2=SE Oval
C=Right Width	Right Diameter Type=Nominal	C3=SE Oval
D=Right Depth	Left Diameter Type=Nominal	C4=AccuFlange
E=Left Width	Number Of Segments=2	C5=SE Oval
F=Left Depth	Number Of Segments=1	C6=SE Oval
G=Right Height	Single Segments=No	
H=Left Height	Marker Type=Notch	
I=Right Radius		
J=Left Radius		
K=Right Angle		
L=Left Angle		
M=Bottom Extension		
N=Right Extension		
O=Left Extension		

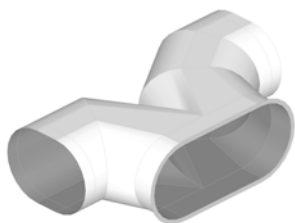
Seams
S1=1/2 Lap (F)

Damper:



Pattern: 824

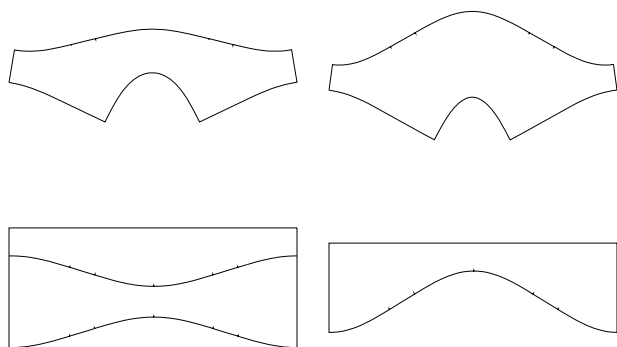
Round/Flat Oval



Dims	Options	Conn's
A=Btm Width	Bottom Diameter Type=Nominal	C1=AccuFlange
B=Btm Depth	Top Diameter Type=Nominal	C2=SE Oval
C=Right Width	Right Diameter Type=Nominal	C3=SE Oval
D=Right Depth	Left Diameter Type=Nominal	C4=AccuFlange
E=Left Width	Number Of Segments=2	C5=SE Oval
F=Left Depth	Number Of Segments=1	C6=SE Oval
G=Right Radius	Single Segments=No	
H=Left Radius	Marker Type=Notch	
I=Right Angle		
J=Left Angle		
K=Bottom Extension		
L=Right Extension		
M=Left Extension		

Seams

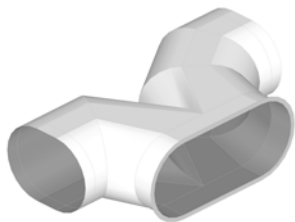
S1=1/2 Lap (F)



Damper:

Pattern: 825

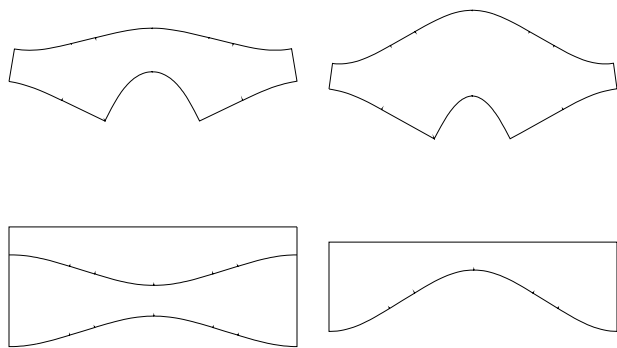
Round/Flat Oval



Dims	Options	Conn's
A=Btm Width	Bottom Diameter Type=Nominal	C1=AccuFlange
B=Btm Depth	Right Diameter Type=Nominal	C2=SE Oval
C=Right Width	Left Diameter Type=Nominal	C3=SE Oval
D=Right Depth	Number Of Segments=2	C4=AccuFlange
E=Left Width	Number Of Segments=1	C5=SE Oval
F=Left Depth	Single Segments=No	C6=SE Oval
G=Right Radius	Marker Type=Notch	
H=Left Radius		
I=Right Angle		
J=Left Angle		
K=Bottom Extension		
L=Right Extension		
M=Left Extension		

Seams

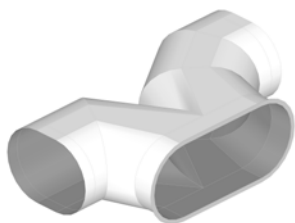
S1=1/2 Lap (F)



Damper:

Pattern: 826

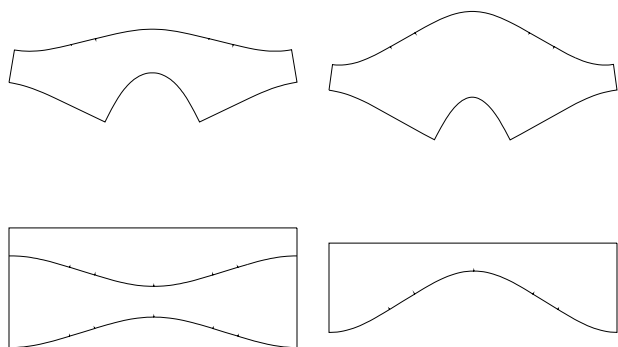
Round/Flat Oval



Dims	Options	Conn's
A=Btm Width	Bottom Diameter Type=Nominal	C1=AccuFlange
B=Btm Depth	Top Diameter Type=Nominal	C2=SE Oval
C=Right Width	Right Diameter Type=Nominal	C3=SE Oval
D=Right Depth	Left Diameter Type=Nominal	C4=AccuFlange
E=Left Width	Number Of Segments=2	C5=SE Oval
F=Left Depth	Number Of Segments=1	C6=SE Oval
G=Right Height	Single Segments=No	
H=Right Radius	Marker Type=Notch	
I=Left Radius		
J=Right Angle		
K=Left Angle		
L=Bottom Extension		
M=Right Extension		
N=Left Extension		

Seams

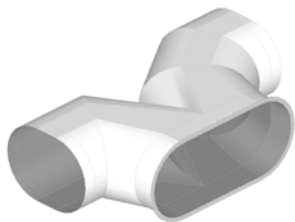
S1=1/2 Lap (F)



Damper:

Pattern: 827

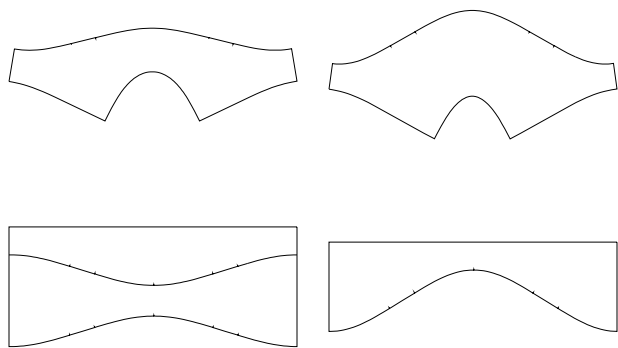
Round/Flat Oval



Dims	Options	Conn's
A=Btm Width	Bottom Diameter Type=Nominal	C1=AccuFlange
B=Btm Depth	Top Diameter Type=Nominal	C2=SE Oval
C=Right Width	Right Diameter Type=Nominal	C3=SE Oval
D=Right Depth	Left Diameter Type=Nominal	C4=AccuFlange
E=Left Width	Number Of Segments=2	C5=SE Oval
F=Left Depth	Number Of Segments=1	C6=SE Oval
G=Right Height	Single Segments=No	
H=Left Height	Marker Type=Notch	
I=Right Radius		
J=Left Radius		
K=Right Angle		
L=Left Angle		
M=Bottom Extension		
N=Right Extension		
O=Left Extension		

Seams

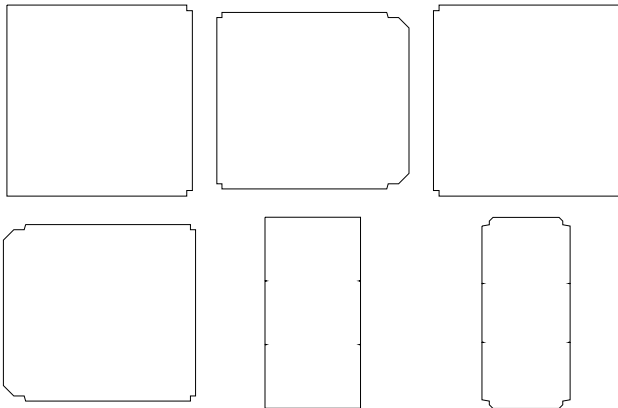
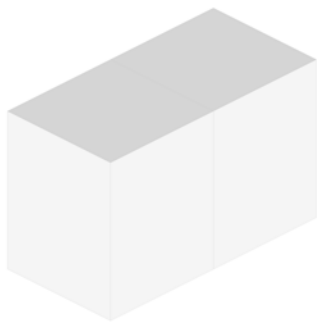
S1=1/2 Lap (F)



Damper:

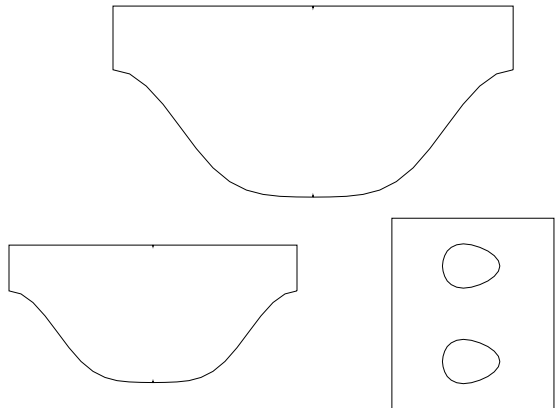
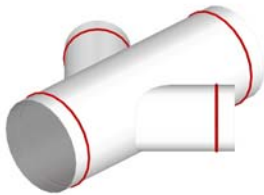
Pattern: 828

Rectangular



Pattern: 830

Round



Dims	Options	Conn's
A=Left Width	Six Parts Left Lap=None	C1=S&D
B=Right Width	Six Parts Right Lap=None	
C=Depth	Parts=2	
D=Length		
E=Bottom Radius		
F=Top Radius		
G=Cross Break		

Seams
S1=PITTS-S
S2=PITTS-S

Damper:

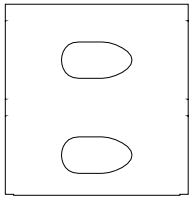
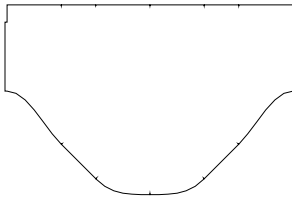
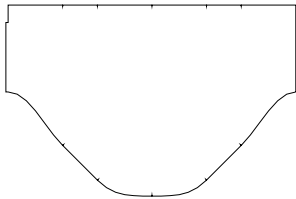
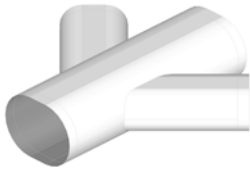
Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	First Break=0.000	C3=GRC_Swage-Male
D=Right Extension	Second Break=0.000	
E=Branch Diameter #1	Third Break=0.000	
F=Branch Length #1	Seam Position=0.000	
G=Angle #1	Pipe Diameter Type=Nominal	
H=Inset #1	Branch Diameter Type=Nominal	
I=Offset #1	Hole Adjust=0.000	
J=Rotation #1	Branch Allowance To Pipe=0.000	
K=Extension #1	Branch Seam Position=0.000	
L=Branch Diameter #2	Throat Cut Back (Degrees)=0.000	
M=Branch Length #2	Plate Border (Circumference)=0.000	
N=Angle #2	Plate Type=Rectangular	
O=Inset #2	Estimated Diameter %age=Not Used	
P=Offset #2	Cut Back Allowance (%)=0.000	
Q=Rotation #2	Use Pipe Seam For Branches=No	
R=Extension #2	Plate Border (Length)=Auto	
S=Branch Diameter #3	End Castle Width =0.000	
T=Branch Length #3	End Castle Angle=30.000	
U=Angle #3		
V=Inset #3		
W=Offset #3		
X=Rotation #3		
Y=Extension #3		
Z=Branch Diameter #4		
a=Branch Length #4		
b=Angle #4		
c=Inset #4		
d=Offset #4		
e=Rotation #4		

Seams
S1=None
S2=None

Damper: None
None
None

Pattern: 831

Round/Flat Oval



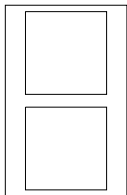
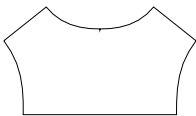
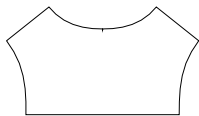
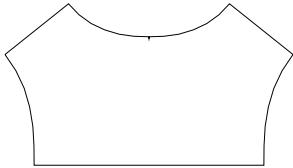
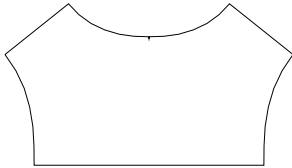
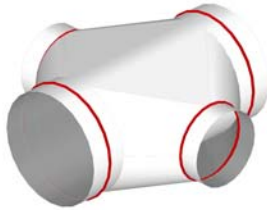
Dims	Options	Conn's
A=Width	Pipe Parts=1	C1=SE Oval
B=Depth	Branch Parts=1	C2=SE Oval
C=Length	Pipe Diameter Type=Nominal	C3=SE Oval
D=Left Extension	Branch Diameter Type=Nominal	C4=SE Oval
E=Right Extension	Seam Position=0.000	
F=Branch Width #1	Branch Allowance To Pipe=0.000	
G=Branch Depth #1	True Oval Straight=No	
H=Branch Length #1	Hole Adjust=0.000	
I=Angle #1		
J=Inset #1		
K=Offset #1		
L=(Hole) Rotation #1		
M=Extension #1		
N=Branch Width #2		
O=Branch Depth #2		
P=Branch Length #2		
Q=Angle #2		
R=Inset #2		
S=Offset #2		
T=Rotation #2		
U=Extension #2		

Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)
S3=1/2 Lap (F)

Damper:

Pattern: 832

Round



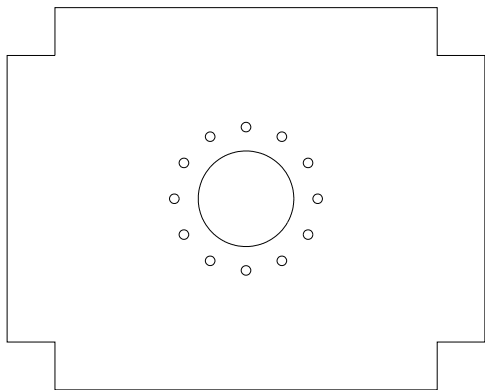
Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Branch Diameter Type=Nominal	C2=GRC_Swage-Male
C=Left Extension	Branch Diameter Type=Nominal	C3=GRC_Swage-Male
D=Right Extension	Hole Adjust=0.000	
E=Branch Diameter	Round Allowance To Pipe=0.000	
F=Branch Length	Flat Allowance To Pipe=0.000	
G=Angle	Seam Position=0.000	
H=Angle	Pipe Parts=1	
I=Inset	Branch Parts=2	
J=Offset	Branch Seam Position=Sides	
K=Collar	Flat Right=No	
L=Branch Diameter	Inlet=1	
M=Branch Length	Outlet=2	
N=Angle		
O=Angle		
P=Inset		
Q=Offset		
R=Collar		

Seams
S1=None
S2=None

Damper:

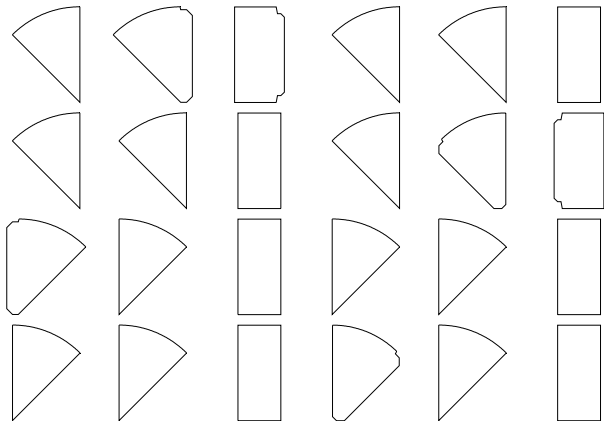
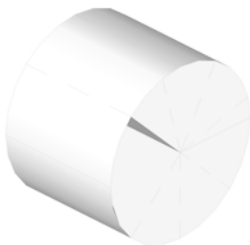
Pattern: 833

Standard



Pattern: 834

Rectangular



Dims	Options	Conn's
A=Height	Length Includes Turnover=Yes	
B=Width		
C=Diameter		
D=Turnover		
E=Turnover		
F=Fixing Diameter		
G=Hole Diameter		
H=Number Of Holes		

Seams

Damper:

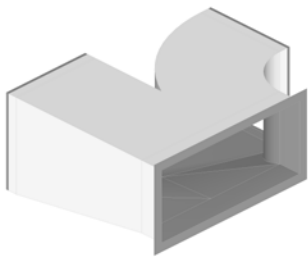
Dims	Options	Conn's
A=Radius	Six Parts Left Lap=None	C1=S&D
B=Angle	Six Parts Right Lap=None	C2=None
C=Length	Allowance=Left	C3=None
D=Front Hole Diameter		
E=Back Hole Diameter		
F=Lid Pipe Radius		
G=Lid Pipe Length		
H=Base Pipe Radius		
I=Base Pipe Length		
J=Parts Left & Right		

Seams
S1=PITTS-S
S2=PITTS-S
S3=PITTS-S
S4=PITTS-S

Damper:

Pattern: 835

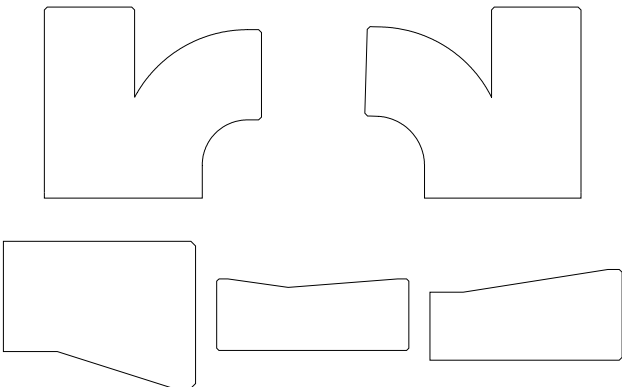
Rectangular



Dims	Options	Conn's
A=Btm Width	Right Throat Type=Radius	C1=TDC
B=Btm Depth	Vee Depth Male=Auto	C2=S&D
C=Top Width	Vee Depth Female=Auto	C3=S&D
D=Top Depth	Vee Angle Male=30	
E=Right Width	Vee Angle Female=30	
F=Right Depth	Right Heel Type=Radius	
G=Top Offset	Junction Notch=Use Default	
H=Right Offset	Vee Notch Angle=20.000	
I=Height	2 Part Wrapper=No	
J=Right Height	Right Folds=End Point	
K=Right Radius	Top Right=Straight	
L=Right Angle	Separate Mid Cheeks=No	
M=Bottom Extension		
N=Right Extension		
O=Top Inset		
P=Top Extension		

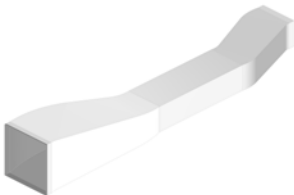
Seams
S1=None

Damper:



Pattern: 836

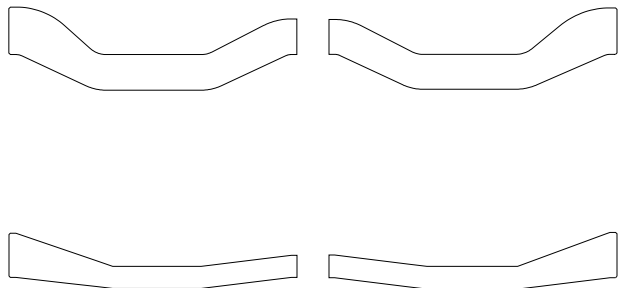
Rectangular



Dims	Options	Conn's
A=Left Width	Vee Depth Male=Auto	C1=S&D
B=Left Depth	Vee Depth Female=Auto	C2=None
C=Right Width	Vee Angle Male=30	
D=Right Depth	Vee Angle Female=30	
E=Centre Width	Left Offset Depth=Top Down	
F=Centre Depth	Right Offset Depth=Top Down	
G=Left Length	Equal Corner Radius=No	
H=Right Length		
I=Centre Length		
J=Left Extension		
K=Right Extension		
L=Left Offset Width		
M=Left Offset Depth		
N=Right Offset Width		
O=Right Offset Depth		
P=Left Top Radius		
Q=Left Bottom Radius		
R=Right Top Radius		
S=Right Bottom Radius		

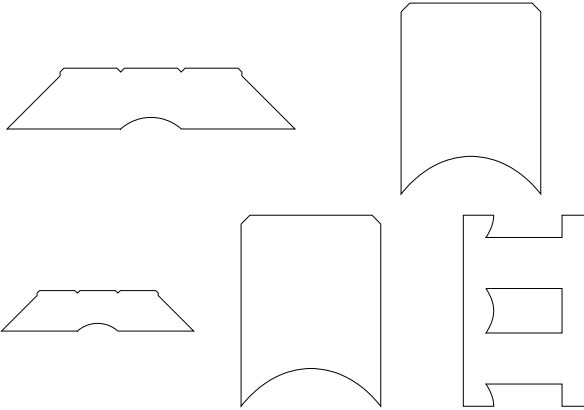
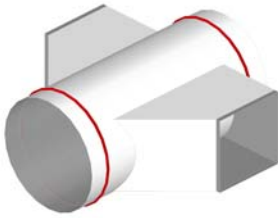
Seams
S1=None

Damper:



Pattern: 837

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Round Allowance To Pipe=0.000	C2=GRC_Swage-Male
C=Left Extension	Flat Allowance To Pipe=0.000	C3=S&D
D=Right Extension	Pipe Parts=1	C4=S&D
E=Branch Width	Branch Parts=2	
F=Branch Depth	First Break=0.000	
G=Branch Length	Second Break=0.000	
H=Angle	Third Break=0.000	
I=Inset	Pipe Seam Position=270.000	
J=Offset	Hole Adjust=0.000	
K=Rotation	Plate Border=0.000	
L=Extension	Castle Width=0.000	
M=Branch Width	Castle Angle=30.000	
N=Branch Depth	Plate Border (Width)=Auto	
O=Branch Length		
P=Angle		
Q=Inset		
R=Offset		
S=Rotation		
T=Extension		

Seams
S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 838

Round/Standard



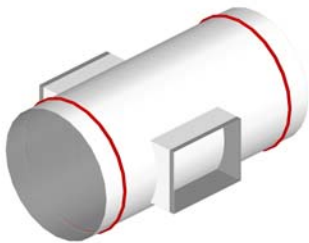
Dims	Options	Conn's
A=Diameter	Type=Profiled Bearer	C1=None
B=Bearer Extn	Profile=Round	C2=None
C=Left Angle	Pipework=No	C3=None
D=Right Angle	Block Thickness=0.000	
E=Rod Extn Above	Block Length=0.000	
F=Rod Extn Below	Number Of Round Sections=Auto	
G=Length A	Drop Rod Diameter=0.400	
H=Length B	Bearer Width=2.000	
I=Supported Width	Bearer Thickness=0.400	
J=Supported Depth	Hex End=Yes	
K=Right Rod Offset	Roller Rod Diameter=0.600	
L=Left Rod Offset	Turnover=-1.000	
	Oversized Item=No	
	Area of Influence=0.000	
	Straps=Both	
	Export=All	
	Front Seismic Rod=No	
	Back Seismic Rod=No	
	Left Seismic Rod=No	
	Right Seismic Rod=No	
	Front Seismic Rod=No	
	Back Seismic Rod=No	
	Left Seismic Rod=No	
	Right Seismic Rod=No	
	Draw Rod=No	
	Add Rod Size=No	
	Filled Circle=No	
	Thickness=0.100	
	Use Support Settings=No	
	Point Load A=0.000	
	Point Load B=0.000	

Seams

Damper:

Pattern: 839

Round



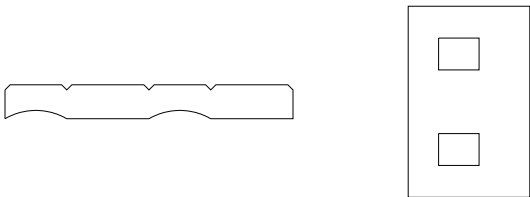
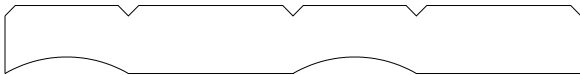
Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Round Allowance To Pipe=0.000	C2=GRC_Swage-Male
C=Left Extension	Flat Allowance To Pipe=0.000	C3=S&D
D=Right Extension	Pipe Parts=1	C4=S&D
E=Branch Width	Branch Parts=1	C5=GRC_Swage-Male
F=Branch Depth	Pipe Seam Position=0.000	
G=Branch Length	Hole Adjust=0.000	
H=Inset	Plate Border=0.000	
I=Offset	Castle Width=0.000	
J=Rotation	Castle Angle=30.000	
K=Branch Width	Plate Border (Width)=Auto	
L=Branch Depth		
M=Branch Length		
N=Inset		
O=Offset		
P=Rotation		
Q=Reducer Diameter		
R=Reducer Length		

Seams

S1=None

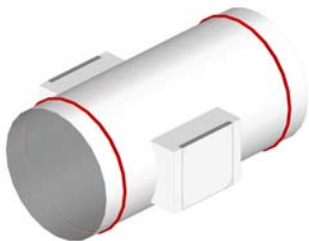
S2=None

Damper:



Pattern: 840

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Round Allowance To Pipe=0.000	C2=GRC_Swage-Male
C=Left Extension	Flat Allowance To Pipe=0.000	C3=S&D
D=Right Extension	Pipe Parts=1	C4=S&D
E=Branch Width	Pipe Seam Position=0.000	
F=Branch Depth	Hole Adjust=0.000	
G=Branch Length	Plate Border=0.000	
H=Inset	Castle Width=0.000	
I=Rotation	Castle Angle=30.000	
J=Hole Width	Plate Border (Width)=Auto	
K=Hole Depth	Fold Notch Depth=0.000	
L=Hole Radius	Develop Branch Collar=No	
M=Collar		
N=Branch Width		
O=Branch Depth		
P=Branch Length		
Q=Inset		
R=Rotation		
S=Hole Width		
T=Hole Depth		
U=Hole Radius		
V=Collar		

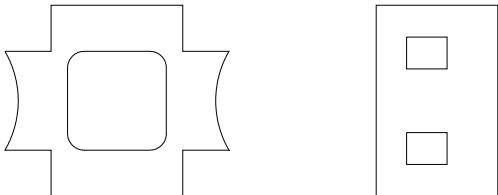
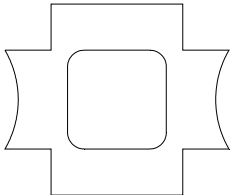
Seams

S1=None

S2=None

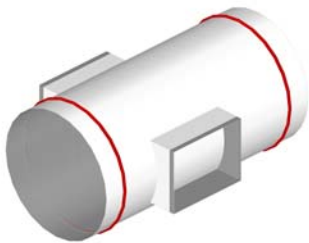
S3=None

Damper:



Pattern: 841

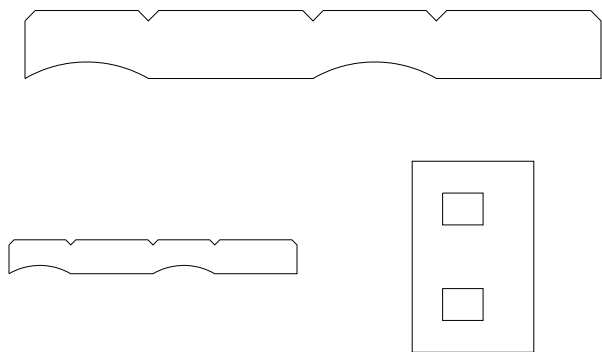
Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Round Allowance To Pipe=0.000	C2=GRC_Swage-Male
C=Left Extension	Flat Allowance To Pipe=0.000	C3=S&D
D=Right Extension	Pipe Parts=1	C4=S&D
E=Branch Width	Branch Parts=1	
F=Branch Depth	Pipe Seam Position=0.000	
G=Branch Length	Hole Adjust=0.000	
H=Inset	Plate Border=0.000	
I=Rotation	Castle Width=0.000	
J=Extension	Castle Angle=30.000	
K=Branch Width	Plate Border (Width)=Auto	
L=Branch Depth		
M=Branch Length		
N=Inset		
O=Rotation		
P=Extension		

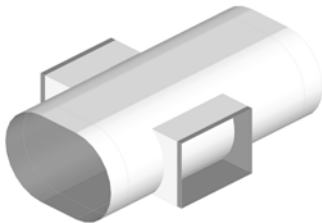
Seams
S1=None
S2=None

Damper:



Pattern: 842

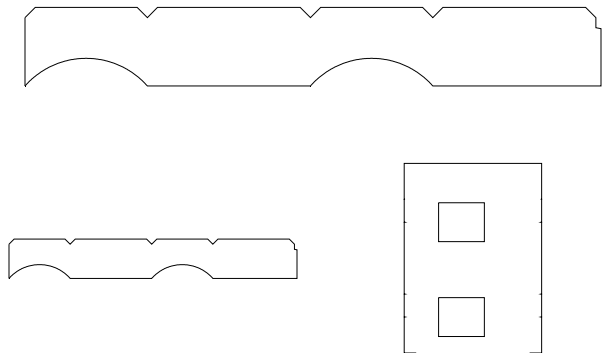
Flat Oval



Dims	Options	Conn's
A=Major Axis	Pipe Diameter Type=Nominal	C1=SE Oval
B=Minor Axis	Round Allowance To Pipe=0.000	C2=SE Oval
C=Pipe Length	Flat Allowance To Pipe=0.000	C3=S&D
D=Left Extension	Pipe Parts=1	C4=S&D
E=Right Extension	Branch Parts=1	
F=Branch Width	Pipe Seam Position=0.000	
G=Branch Depth	Hole Adjust=0.000	
H=Branch Length	Plate Border=0.000	
I=Inset	Castle Width=0.000	
J=Offset	Castle Angle=30.000	
K=Rotation	Plate Border (Width)=Auto	
L=Branch Width	Allow Branches On Flats=No	
M=Branch Depth		
N=Branch Length		
O=Inset		
P=Offset		
Q=Rotation		

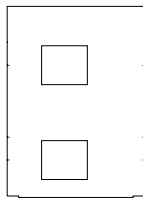
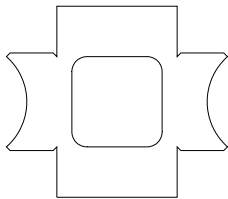
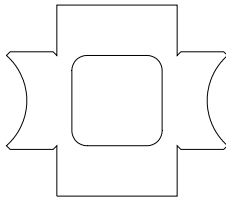
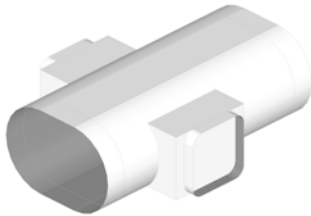
Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)

Damper:



Pattern: 843

Flat Oval



Dims	Options	Conn's
A=Major Axis	Pipe Diameter Type=Nominal	C1=SE Oval
B=Minor Axis	Round Allowance To Pipe=0.000	C2=SE Oval
C=Pipe Length	Flat Allowance To Pipe=0.000	
D=Left Extension	Pipe Parts=1	
E=Right Extension	Pipe Seam Position=0.000	
F=Branch Width	Hole Adjust=0.000	
G=Branch Depth	Plate Border=0.000	
H=Branch Length	Castle Width=0.000	
I=Inset	Castle Angle=30.000	
J=Rotation	Plate Border (Width)=Auto	
K=Hole Width	Fold Notch Depth=0.000	
L=Hole Depth		
M=Hole Radius		
N=Branch Width		
O=Branch Depth		
P=Branch Length		
Q=Inset		
R=Rotation		
S=Hole Width		
T=Hole Depth		
U=Hole Radius		

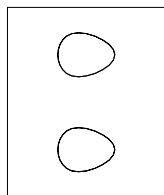
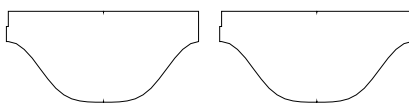
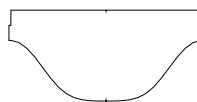
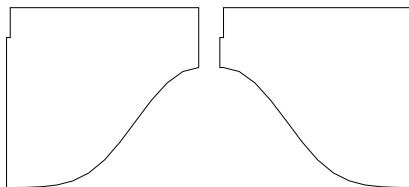
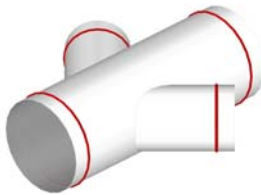
Seams

S1=1/2 Lap (F)
S2=1/2 Lap (F)

Damper:

Pattern: 844

Flat Oval



Dims	Options	Conn's
A=Major Axis	Pipe Parts=1	C1=GRC_Swage-Male
B=Minor Axis	Pipe Seam Position=0.000	C2=GRC_Swage-Male
C=Pipe Length	Pipe Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Extension	Hole Adjust=0.000	C4=GRC_Swage-Male
E=Right Extension	Branch Allowance To Pipe=0.000	C5=SE Oval
F=Branch Width #1	Branch Type=Straight Branch	C6=SE Oval
G=Branch Depth #1	Branch Diameter Type=Nominal	
H=Branch Length #1	Branch Parts=2	
I=Angle #1	Branch Type=Straight Branch	
J=Inset #1	Branch Diameter Type=Nominal	
K=Offset #1	Branch Parts=1	
L=Rotation #1	Branch Type=Straight Branch	
M=Collar #1	Branch Diameter Type=Nominal	
N=Branch Width #2	Branch Parts=1	
O=Branch Depth #2	Branch Type=Straight Branch	
P=Branch Length #2	Branch Diameter Type=Nominal	
Q=Angle #2	Branch Parts=1	
R=Inset #2	Plate Border=0.000	
S=Offset #2	Plate Type=Rectangular	
T=Rotation #2	Branch Seam Position=0.000	
U=Collar #2	Branch Only=No	
V=Branch Width #3	Reducer Seam Position=Corner	
W=Branch Depth #3	Reducer Parts=1	
X=Branch Length #3		
Y=Angle #3		
Z=Inset #3		
a=Offset #3		
b=Rotation #3		
c=Collar #3		
d=Branch Width #4		
e=Branch Depth #4		

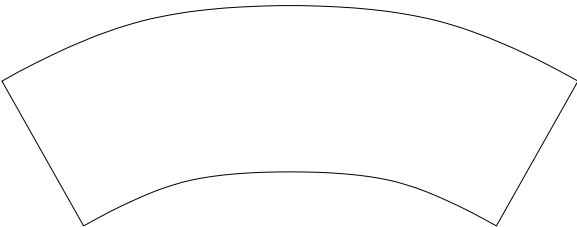
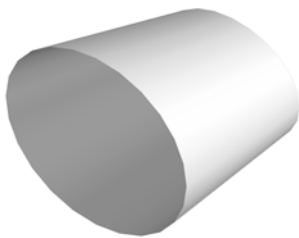
Seams

S1=1/2 Lap (F)
S2=1/2 Lap (F)
S3=1/2 Lap (F)
S4=1/2 Lap (F)
S5=1/2 Lap (F)

Damper:

Pattern: 845

Round



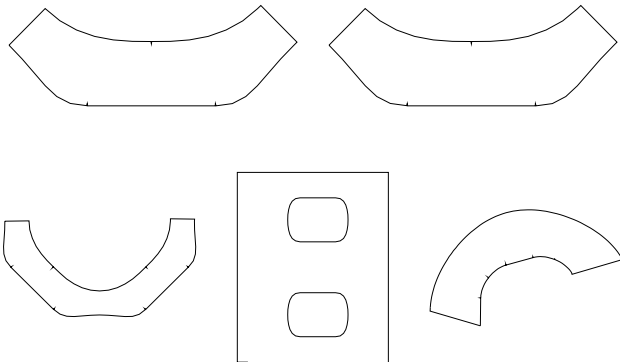
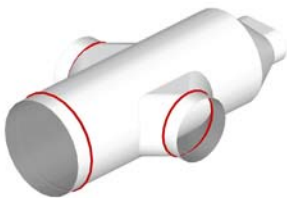
Dims	Options	Conn's
A=Left Width	Cross Break=1	
B=Left Depth	Seam Position=0.000	
C=Right Width		
D=Right Depth		
E=Length		
F=Offset		

Seams
S1=None

Damper:

Pattern: 846

Flat Oval



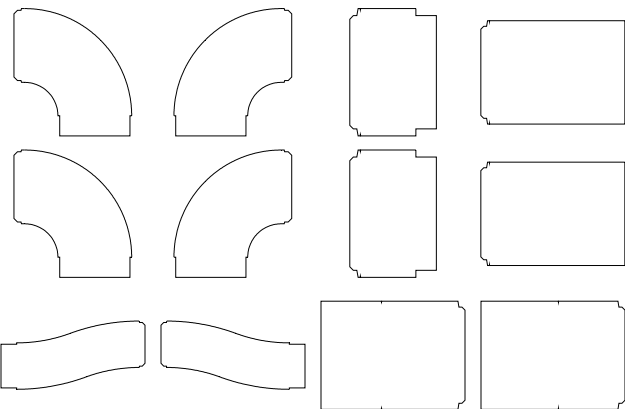
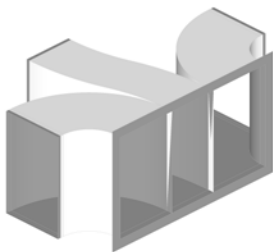
Dims	Options	Conn's
A=Major Axis	Pipe Parts=1	C1=GRC_Swage-Male
B=Minor Axis	Pipe Seam Position=0.000	C2=SE Oval
C=Pipe Length	Pipe Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Extension	Hole Adjust=0.000	C4=GRC_Swage-Male
E=Right Extension	Branch Allowance To Pipe=0.000	C5=GRC_Swage-Male
F=Major Axis #1	Branch Diameter Type=Nominal	
G=Minor Axis #1	Branch Parts=2	
H=Branch Length #1	Branch Diameter Type=Nominal	
I=Angle #1	Branch Parts=1	
J=Inset #1	Plate Border=0.000	
K=Offset #1	Plate Type=Rectangular	
L=Rotation #1	Branch Seam Position=0.000	
M=Collar #1	Branch Only=No	
N=Major Axis #2	Reducer Seam Position=Corner	
O=Minor Axis #2	Reducer Parts=1	
P=Branch Length #2		
Q=Angle #2		
R=Inset #2		
S=Offset #2		
T=Rotation #2		
U=Collar #2		
V=Reducer Width		
W=Reducer Depth		
X=Reducer Length		

Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)
S3=1/2 Lap (F)

Damper:

Pattern: 847

Rectangular



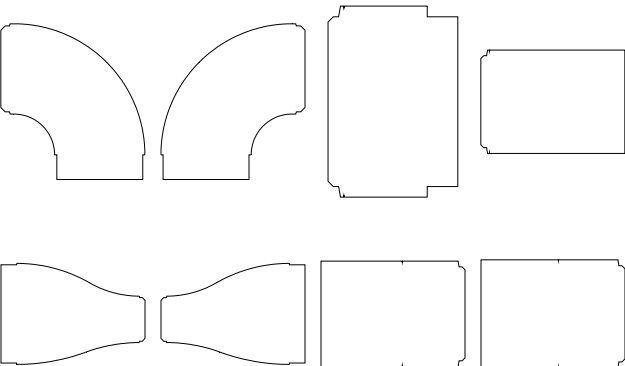
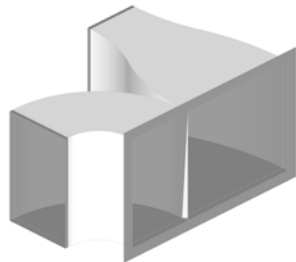
Dims	Options	Conn's
A=Btm Width	Right Throat Type=Radius	C1=TDC
B=Btm Depth	Left Throat Type=Radius	C2=S&D
C=Btm Left Width	Vee Depth Male=Auto	C3=S&D
D=Btm Right Width	Vee Depth Female=Auto	C4=S&D
E=Top Width	Vee Angle Male=30	C5=S&D
F=Top Depth	Vee Angle Female=30	
G=Right Width	Gaps=0.000	
H=Right Depth	Add Connector Allowance To One Side On...	
I=Left Width		
J=Left Depth		
K=Right Offset		
L=Left Offset		
M=Top Offset		
N=Top Inset		
O=Height		
P=Right Radius		
Q=Left Radius		
R=Right Angle		
S=Left Angle		
T=Btm Right Extension		
U=Btm Left Extension		
V=Top Extension		
W=Right Extension		
X=Left Extension		

Seams
S1=PIITS-S

Damper:

Pattern: 848

Rectangular



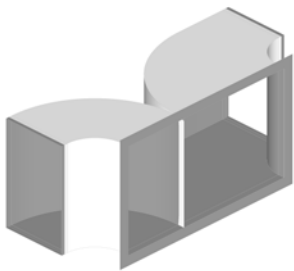
Dims	Options	Conn's
A=Btm Width	Left Throat Type=Radius	C1=TDC
B=Btm Depth	Vee Depth Male=Auto	C2=S&D
C=Btm Left Width	Vee Depth Female=Auto	C3=S&D
D=Top Width	Vee Angle Male=30	C4=S&D
E=Top Depth	Vee Angle Female=30	
F=Left Width	Gaps=0.000	
G=Left Depth	Add Connector Allowance To One Side On...	
H=Left Offset		
I=Top Offset		
J=Top Inset		
K=Height		
L=Left Radius		
M=Left Angle		
N=Btm Right Extension		
O=Btm Left Extension		
P=Top Extension		
Q=Left Extension		

Seams
S1=PIITS-S

Damper:

Pattern: 849

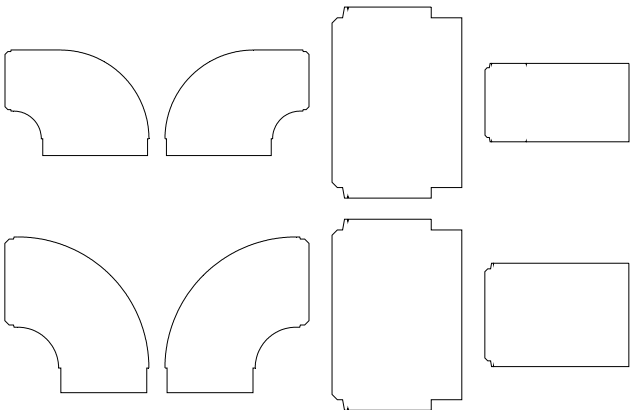
Rectangular



Dims	Options	Conn's
A=Btm Width	Right Throat Type=Radius	C1=TDC
B=Btm Depth	Left Throat Type=Radius	C2=S&D
C=Btm Left Width	Vee Depth Male=Auto	C3=S&D
D=Right Width	Vee Depth Female=Auto	C4=S&D
E=Right Depth	Vee Angle Male=30	
F=Left Width	Vee Angle Female=30	
G=Left Depth	Gaps=0.000	
H=Right Offset	Add Connector Allowance To One Side On...	
I=Left Offset		
J=Right Radius		
K=Left Radius		
L=Right Angle		
M=Left Angle		
N=Btm Right Extension		
O=Btm Left Extension		
P=Right Extension		
Q=Left Extension		

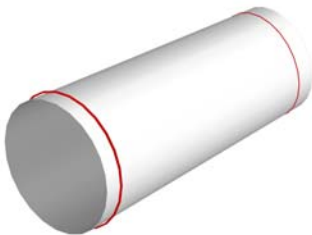
Seams
S1=PITTS-S

Damper:



Pattern: 850

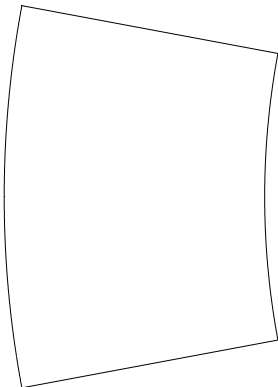
Round/Fabrication



Dims	Options	Conn's
A=Left Diameter	Diameter Type BE=Nominal	C1=GRC_Swage-Male
B=Right Diameter	Diameter Type SE=Nominal	C2=GRC_Swage-Male
C=Pipe Length	Cross Break=1	
D=Left Extension	Seam Position=0.000	
E=Right Extension	Estimated Diameter %age=Not Used	
F=Offset Width	Shoe Branch Lengths CLine=Yes	
G=Offset Depth	Length Break=1	

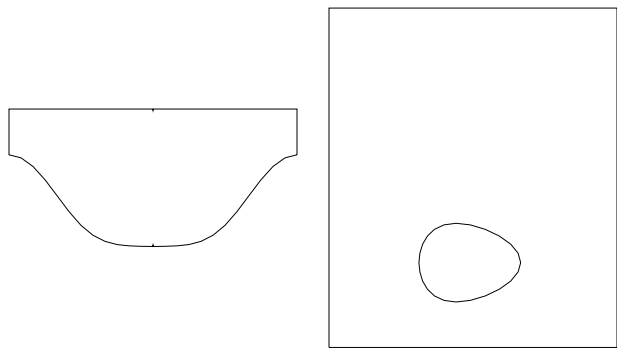
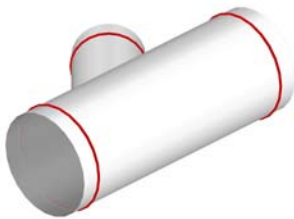
Seams
S1=None
S2=None

Damper:



Pattern: 851

Round

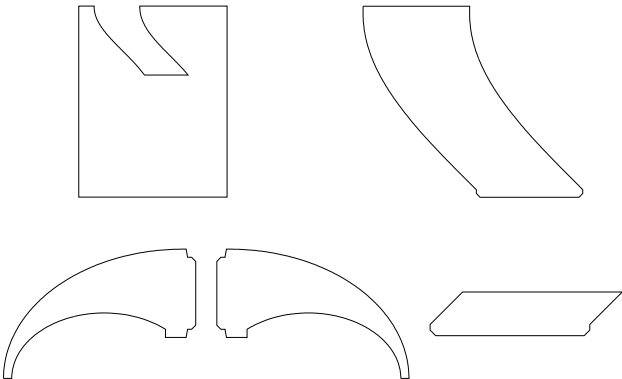
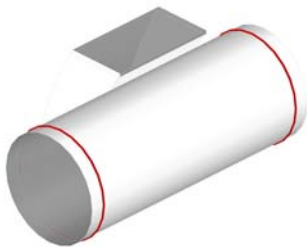


Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	First Break=0.000	C3=GRC_Swage-Male
D=Right Extension	Second Break=0.000	
E=Branch Diameter #1	Third Break=0.000	
F=Branch Length #1	Seam Position=0.000	
G=Angle #1	Pipe Diameter Type=Nominal	
H=Inset #1	Branch Diameter Type=Nominal	
I=Offset #1	Hole Adjust=0.000	
J=Rotation #1	Branch Allowance To Pipe=0.000	
K=Extension #1	Branch Seam Position=0.000	
	Throat Cut Back (Degrees)=0.000	
	Plate Border (Circumference)=0.000	
	Plate Type=Rectangular	
	Estimated Diameter %age=Not Used	
	Cut Back Allowance (%)=0.000	
	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	
	End Castle Width =0.000	
	End Castle Angle=30.000	

Seams
S1=None
S2=None
Damper: None
None
None

Pattern: 852

Rectangular/Round



Dims	Options	Conn's
A=Pipe Diameter	Inlet=1	C1=GRC_Swage-Male
B=Angle	Outlet=2	C2=GRC_Swage-Male
C=Pipe Length		C3=S&D
D=Inset		
E=Branch Height		
F=Branch Depth		
G=Branch Width		
H=Branch Gauge		
I=Extension		

Seams
S1=PIITS-S
S2=PIITS-S
S3=PIITS-S
S4=PIITS-S
S5=PIITS-S
Damper:

Pattern: 853

Rectangular

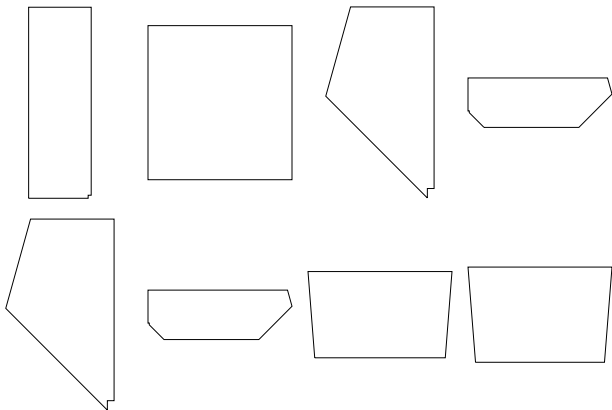


Dims	Options	Conn's
A=Top Length	3 Parts=No	
B=Top Width	Vee Notch Angle=20.000	
C=Depth		
D=Btm Length		
E=Btm Width		
F=Top Left Ext		
G=Top Right Ext		
H=Btm Left Ext		
I=Left Depth		
J=Right Depth		
K=Gauge		
L=Hole Diameter		
M=X-Offset		
N=Y-Offset		

Seams

S1=PIITS-S

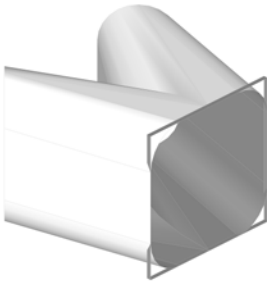
S2=PIITS-S



Damper:

Pattern: 854

Rectangular/Round/Flat Oval

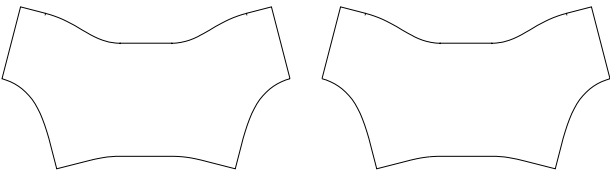


Dims	Options	Conn's
A=Btm Width	Bottom Diameter Type=Nominal	C1=S&D
B=Btm Depth	Left Diameter Type=Nominal	C2=SE Oval
C=Bottom Radius	Right Diameter Type=Nominal	C3=SE Oval
D=Left Width	Seam Position=Top	C4=SE Oval
E=Left Depth		
F=Left Radius		
G=Right Width		
H=Right Depth		
I=Right Radius		
J=Left Angle		
K=Right Angle		
L=Height		
M=Left Offset		
N=Right Offset		
O=Bottom Collar		
P=Left Collar		
Q=Right Collar		
R=Left Offset Depth		
S=Right Offset Depth		

Seams

S1=None

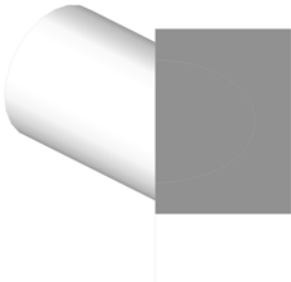
Damper:



Pattern: 855

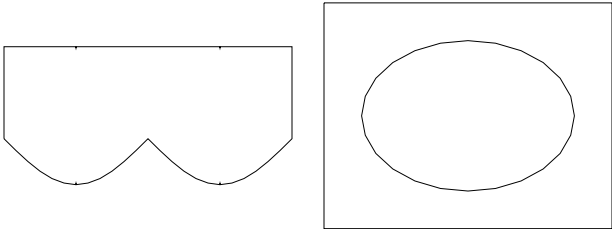
Round

Dims	Options	Conn's
A=Branch Diameter	Seam Position=0.000	
B=Length	Hole Adjust=0.000	
C=Angle	Diameter Type=Nominal	
D=Plate Border	Turnover=0.000	



Seams
S1=None

Damper:



Pattern: 856

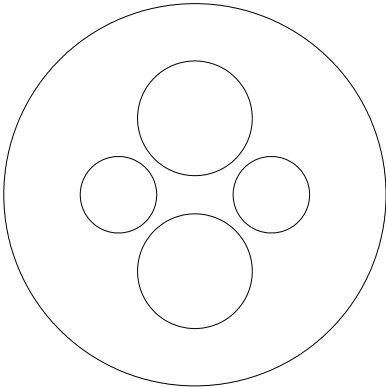
Round

Dims	Options	Conn's
A=Diameter	Diameter Type=Nominal	C1=GRC_Swage-Male
B=Collar	Hole Type=Nominal	C2=GRC_Swage-Male
C=Hole Diameter		C3=GRC_Swage-Male
D=Hole Angle		C4=GRC_Swage-Male
E=Fixing Radius		C5=GRC_Swage-Male
F=Collar		
G=Hole Diameter		
H=Hole Angle		
I=Fixing Radius		
J=Collar		
K=Hole Diameter		
L=Hole Angle		
M=Fixing Radius		
N=Collar		
O=Hole Diameter		
P=Hole Angle		
Q=Fixing Radius		
R=Collar		



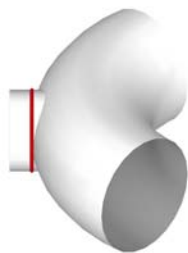
Seams

Damper:



Pattern: 857

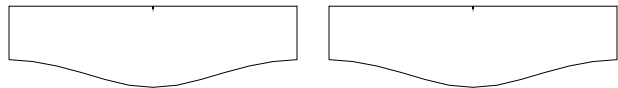
Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Centre Radius	Branch Diameter Type=Nominal	
C=Branch Diameter	Branch Parts=2	
D=Branch Length	Branch Allowance To Pipe=0.000	
E=Angle	Branch Seam Position=0.000	
F=Rotation	Rotation=Top	
G=Bend Angle	Branch Type=Round	
H=Inner Radius		

Seams
S1=None

Damper: None



Pattern: 858

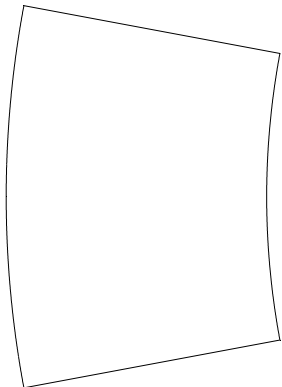
Round



Dims	Options	Conn's
A=Pipe Diameter	Diameter Type BE=Nominal	C1=GRC_Swage-Male
B=Pipe Diameter	Diameter Type SE=Nominal	C2=GRC_Swage-Male
C=Pipe Length	Cross Break=1	
D=Left Extension	Seam Position=0.000	
E=Right Extension	Estimated Diameter %age=Not Used	
	Hole Inset=Along Slope	
	Hole Inset=Hole Centre	

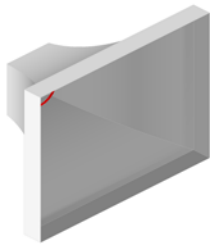
Seams
S1=None

Damper:



Pattern: 859

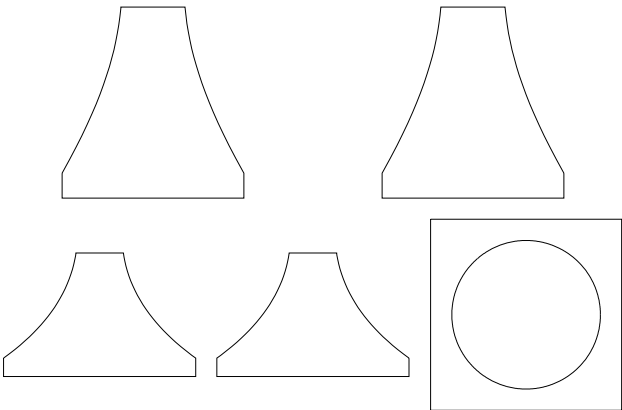
Rectangular



Dims	Options	Conn's
A=Btm Width		C1=GRC_Swage-Male
B=Btm Depth		
C=Top Width		
D=Top Depth		
E=Hole Diameter		
F=Height		
G=Offset Width		
H=Offset Depth		
I=Bottom Extension		
J=Collar		
K=Angle		

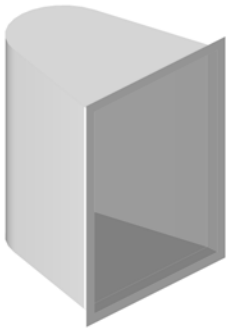
Seams

Damper:



Pattern: 860

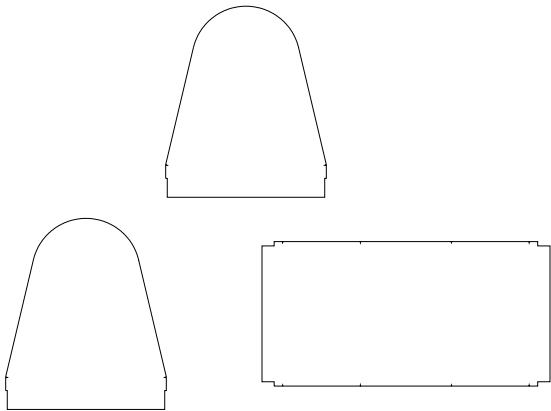
Rectangular



Dims	Options	Conn's
A=Width	Vee Depth Male=Auto	C1=TDC
B=Depth	Vee Depth Female=Auto	
C=Height	Vee Angle Male=30	
D=Top Radius	Vee Angle Female=30	
E=Bottom Extension		

Seams
S1=PIITS-S

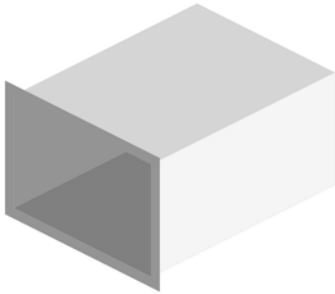
Damper:



Pattern: 861

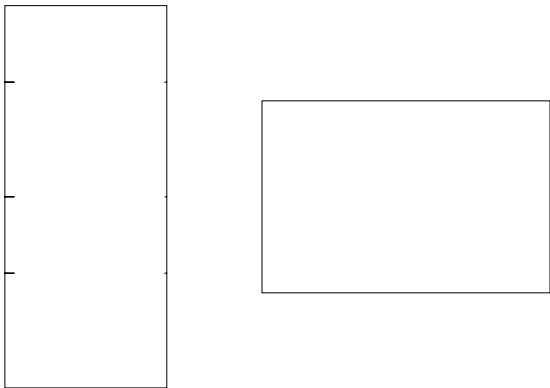
Rectangular/Standard

Dims		Options	Conn's
A=Width	B=Depth	Type=1 Part Straight	C1=TDC
C=Length		Notch Angle For Lid=45.000	
		Lid Adjust=0.000	
		Cost Supports=No	



Seams
S1=None
S2=None

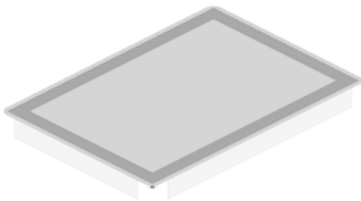
Damper:



Pattern: 862

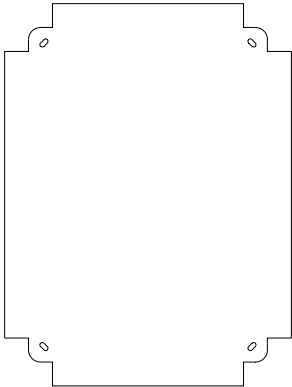
Rectangular

Dims		Options	Conn's
A=Width		Correct Hole Sizes=No	C1=TDC
B=Depth		Dynamic Hole Adjust=Auto	C2=None
C=Flange			
D=Turnover			
E=Corner Radius			
F=Hole Diameter			
G=Hole Length			
H=Hole Inset			



Seams

Damper:



Pattern: 863

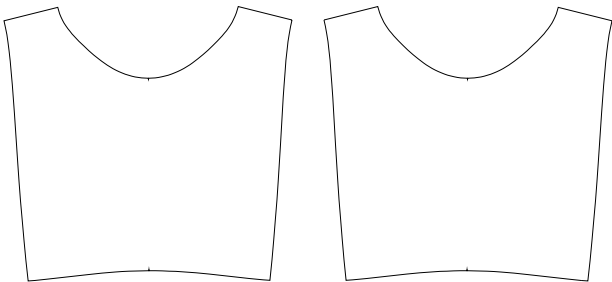
Round/Fabrication



Dims	Options	Conn's
A=Bottom Diameter	Bottom Diameter Type=Nominal	C1=GRC_Swage-Male
B=Top Diameter	Left Diameter Type=Nominal	C2=GRC_Swage-Male
C=Angle	Right Diameter Type=Nominal	C3=GRC_Swage-Male
D=Centre Length	Seam Position=Top	C4=GRC_Swage-Male
E=Btm Length	Marker Type=Notch	
F=Bottom Collar		
G=Left Collar		
H=Right Collar		

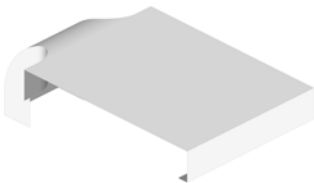
Seams
S1=None

Damper:



Pattern: 864

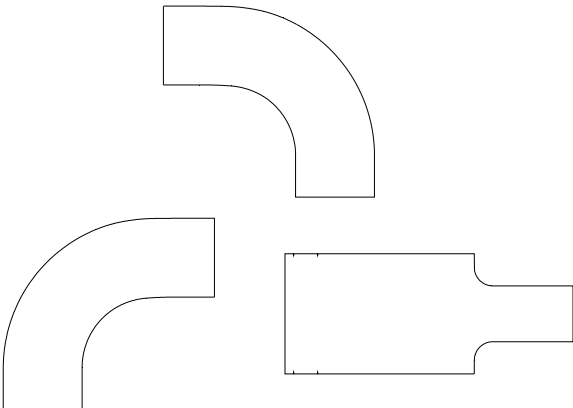
Rectangular



Dims	Options	Conn's
A=Width	Type=Inside	
B=Length		
C=Depth		
D=Top Width		
E=Radius In		
F=Radius Out		
G=Turnover		
H=Extension		

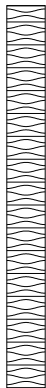
Seams
S1=PITTS-S

Damper:



Pattern: 865

Round



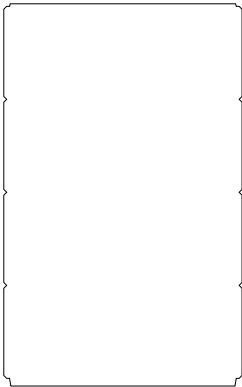
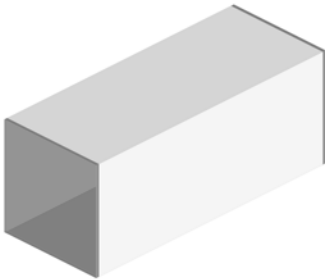
Dims		Options	Conn's
A=Diameter		Number Of Segments=4	C1=GRC_Swage-Male
B=Inner Radius		Diameter Type=Nominal	C2=GRC_Swage-Male
C=Angle		Type=Normal	C3=GRC_Swage-Male
D=Bottom Extension		Pipe Length=500.000	
E=Top Extension		Cut Length=0.000	
		Cut Length=0.000	
		Cut Length=0.000	
		New Develops=No	

Seams
S1=None

Damper:

Pattern: 866

Rectangular



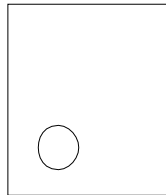
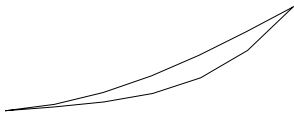
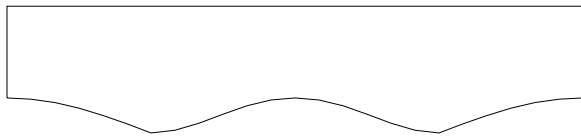
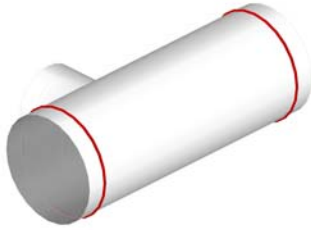
Dims		Options	Conn's
A=Width	B=Depth	Straight Type=1 Part Straight	C1=S&D
C=Length		Duct Length=(inch)	C2=S&D
		Female Allow=Shortest Side	
		1xU,1xI=Shortest Side	
		Allow Multiple Straights=Yes	
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Maximum Sheet Size=None	
		Allow Split Sides=No	
		Maximum Fold Length=60.000	
		Minimum Fold Length=6.000	
		Duct Adjust=0.000	
		STD Straight=No	
		Override=None	
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Beading=No	
		Lengths Include Connector Adjust=No	
		Override Cut Type=None	
		Insulation Parts=Same	
		Insulation UI=Shortest Side	
		Machine Cut If Dynamic Branches=No	

Seams
S1=Snaplock
S2=Snaplock

Damper:

Pattern: 867

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Branch Diameter Type=Nominal	C2=GRC_Swage-Male
C=Left Extension	Pipe Parts=1	C3=GRC_Swage-Male
D=Right Extension	Seam Position=0.000	
E=Branch Diameter	First Break=180.000	
F=Branch Length	Second Break=270.000	
G=Angle	Third Break=90.000	
H=Inset	Branch Parts=1	
I=Extension	Branch Seam Position=180.000	
J=Collar	Hole Adjust=0.000	
	Branch Allowance To Pipe=0.000	

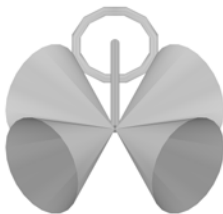
Seams

S1=None
S2=None
S3=None

Damper:

Pattern: 868

Pipework



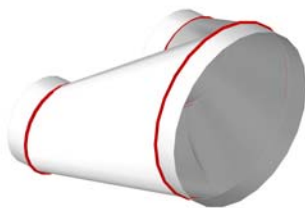
Dims	Options	Conn's
A=Diameter #1	Type=Normal	C1=None
B=Diameter #2	Type=Normal	C2=None
C=Diameter #3	Type=Normal	C3=None
D=Diameter #4	Type=Normal	C4=None
E=Length #1	Type=Normal	
F=Length #2	Hex Length=0.000	
G=Length #3	Hex Height=0.000	
H=Length #4	Number of Sides=0	
I=Shaft Length #1	Back Fillet=0.000	
J=Handle Diameter	Front Fillet=0.000	
K=Shaft Diameter #1	Handle Inline with Body=No	
L=Angle	Handle Type=Round	
M=Number Of Struts	Length Includes Extensions=No	
N=Strut Diameter	Rotation=0.000	
O=Collar #1	Draw Globe as Disc=No	
P=Collar #2	Rotate=No	
Q=Collar #3	Flexible=0.000	
R=Collar #4	Height=0.000	
S=Handle	Gaps=0.000	
T=Globe X Diameter	Length=0.000	
U=Globe Y Diameter	Offset=0.000	
V=Width	Length=0.000	
W=Depth	Rod Diameter=0.000	
X=Height	Offset=0.000	
Y=Shaft Diameter #2	Extension=0.000	
Z=Shaft Diameter #3	Depth=0.000	
a=Shaft Length #2	Triangular=No	
b=Shaft Length #3	Inlet=1	
c=Square Thickness	Outlet=2	
d=Square Size		
e=Square Corner		

Seams

Damper:

Pattern: 869

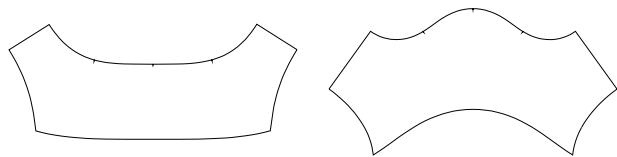
Round



Dims	Options	Conn's
A=Bottom Diameter	Bottom Diameter Type=Nominal	C1=GRC_Swage-Male
B=Left Diameter	Left Diameter Type=Nominal	C2=GRC_Swage-Male
C=Right Diameter	Right Diameter Type=Nominal	C3=GRC_Swage-Male
D=Height	Seam Position=Top	C4=GRC_Swage-Male
E=Left Offset	Marker Type=Notch	
F=Bottom Collar		
G=Left Collar		
H=Right Collar		
I=Distance		
J=Left Offset Depth		
K=Right Offset Depth		

Seams
S1=None

Damper:



Pattern: 871

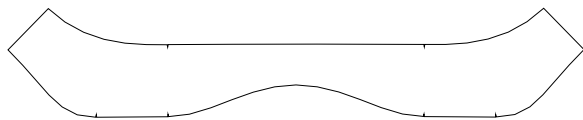
Round



Dims	Options	Conn's
A=Pipe Diameter	Branch Parts=1	C1=None
B=Branch Diameter	Branch Seam Position=Throat	C2=None
C=Branch Length	Branch Diameter Type=Nominal	C3=GRC_Swage-Male
D=Angle	Branch Allowance To Pipe=0.000	
E=Offset	Plate Border=0.000	
F=Collar	Plate Type=Rectangular	
	Plate Border (Width)=Auto	
	Inset=Front	

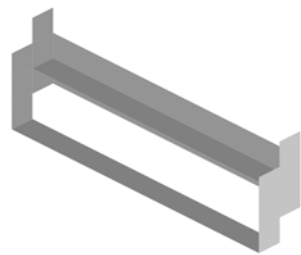
Seams
S1=None
S2=None

Damper: None



Pattern: 872

Electrical



Dims	Options	Conn's
A=Width	Type=Tray	C1=None
B=Depth	Base Depth=0.000	C2=None
C=Length	Use Spacing=No	
D=Offset	Double=No	
E=Left Extension		
F=Right Extension		
G=Wire Diameter		
H=Wire X Spacing		
I=Wire Y Spacing		

Seams

Damper:

Pattern: 873

Round



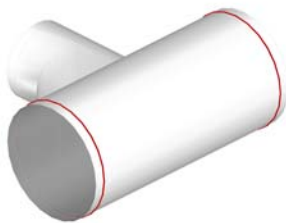
Dims	Options	Conn's
A=Diameter	Spacing=50.000	C1=GRC_Swage-Male
B=Length	Diameter Ratio=1.100	C2=GRC_Swage-Male
C=Item Centre Line Length	Max Length=0.000	
	Draw as Single Line=No	
	Number Of Round Sections=12	

Seams

Damper:

Pattern: 874

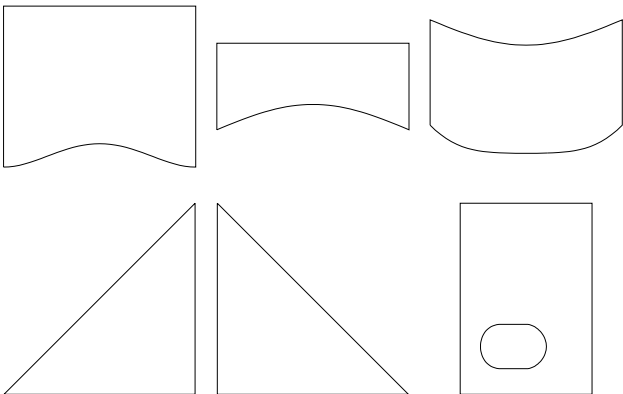
Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Branch Diameter Type=Nominal	C2=GRC_Swage-Male
C=Left Extension	Pipe Parts=1	C3=GRC_Swage-Male
D=Right Extension	Seam Position=0.000	
E=Branch Diameter	First Break=180.000	
F=Branch Length	Second Break=270.000	
G=Angle	Third Break=90.000	
H=Inset	Branch Parts=Yes	
I=Extension	Hole Adjust=0.000	
J=Collar	Branch Allowance To Pipe=0.000	

Seams
S1=None
S2=None
S3=None
S4=None

Damper:



Pattern: 875

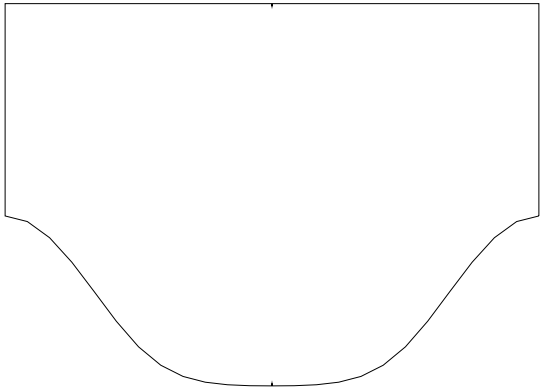
Round



Dims	Options	Conn's
A=Pipe Diameter	Branch Parts=1	C1=None
B=Branch Diameter #1	First Break=0.000	C2=None
C=Branch Length #1	Second Break=0.000	C3=GRC_Swage-Male
D=Angle #1	Third Break=0.000	
E=Offset #1	Pipe Diameter Type=Nominal	
F=Extension #1	Branch Diameter Type=Nominal	
	Branch Diameter Type=Nominal	
	Hole Adjust=0.000	
	Branch Allowance To Pipe=0.000	
	Branch Seam Position=0.000	
	Throat Cut Back (Degrees)=0.000	
	Plate Border (Circumference)=0.000	
	Plate Type=Rectangular	
	Estimated Diameter %age=Not Used	
	Cut Back Allowance (%)=0.000	
	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	
	End Castle Width =0.000	
	End Castle Angle=30.000	
	Draw Plate=No	
	Align Damper Holes=No	

Seams
S1=None
S2=None

Damper: None
None
None



Pattern: 876

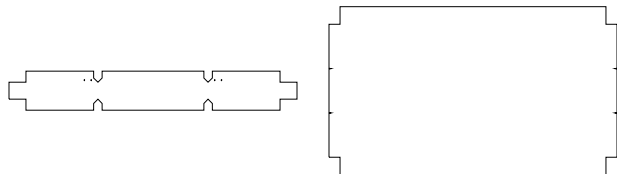
Rectangular



Dims	Options	Conn's
A=Width	3 Parts=No	
B=Depth		
C=Length		
D=Top		
E=Border		
F=Extension		
G=Fixing Hole Diameter		
H=Hole Inset		
I=Hole Spacing		

Seams

Damper:



Pattern: 877

Electrical



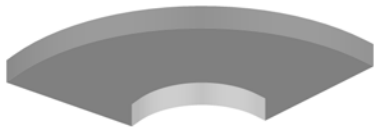
Dims	Options	Conn's
A=Width	Type=Tray	C1=None
B=Depth	Pattern=No	C2=None
C=Length	X Size=0.000	
D=Rail Width	Y Size=0.000	
E=Rung Width	Base Depth=0.000	
F=Rung Depth	Use Spacing=No	
G=Rung Height	Rotate=No	
H=Rung Spacing	Oversized Item=No	
I=Wire Diameter	Develop=No	
J=Wire X Spacing		
K=Wire Y Spacing		

Seams

Damper:

Pattern: 878

Electrical



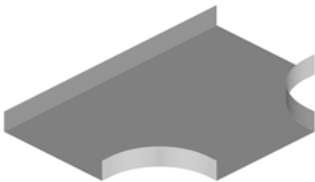
Dims	Options	Conn's
A=Width	Rungs=3	C1=None
B=Depth	Type=Tray	C2=None
C=Angle	Throat Type=Radius	C3=None
D=Inner Radius	Heel Type=Radius	
E=Extension	Base Depth=0.000	
F=Rail Width	Use Spacing=No	
G=Rung Width	Double=No	
H=Rung Depth	Pattern=No	
I=Rung Height	Inlet=1	
J=Rung Inset	Outlet=2	
K=Wire Diameter	Auto Mirror=Yes	
L=Wire X Spacing	Mid Rungs=2	
M=Wire Y Spacing	Left Rungs=2	
N=Bottom Extension	Right Rungs=2	
	Width=Inside	
	X Size=0.000	
	Y Size=0.000	

Seams

Damper:

Pattern: 879

Electrical



Dims	Options	Conn's
A=Width	Type=Tray	C1=None
B=Depth	Throat Type=Radius	C2=None
C=Branch Width	Pattern=No	C3=None
D=Inner Radius	X Size=0.000	
E=Right Extension	Y Size=0.000	
F=Rail Width	Inlet=1	
G=Rung Width	Outlet=2	
H=Rung Depth	Double=No	
I=Rung Offset	Draw Throat=No	
J=Rung Inset	Rungs Type=Fixed	
K=Wire Diameter	Mid Rungs=4	
L=Wire X Spacing	Left Rungs=2	
M=Wire Y Spacing	Right Rungs=2	
N=Bottom Extension	Bottom Rungs=2	
O=Left Extension	Oversized Item=No	
P=Branch Wire Spacing		

Seams

Damper:

Pattern: 880

Electrical

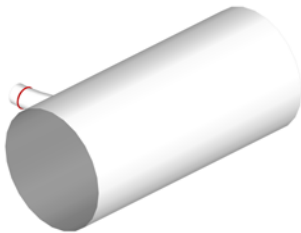


Dims	Options	Conn's
A=Width	Throat Type=Radius	C1=None
B=Depth	Type=Tray	C2=None
C=Radius	Pattern=No	C3=None
D=Extension	X Size=0.000	C4=None
E=Rail Width	Y Size=0.000	
F=Rung Width		
G=Rung Depth		
H=Rung Height		
I=Rung Inset		
J=Wire Diameter		
K=Wire X Spacing		
L=Wire Y Spacing		
		Seams

Damper:

Pattern: 881

Round



Dims	Options	Conn's
A=Pipe Diameter	Type=Supply	C1=GRC_Swage-Male
B=Branch Diameter	Angle Tolerance=0.000	C2=None
C=Branch Length	Inlet=2	
D=Angle	Outlet=1	
E=Collar	Number Of Segments=12	
		Seams

Damper:

Pattern: 882

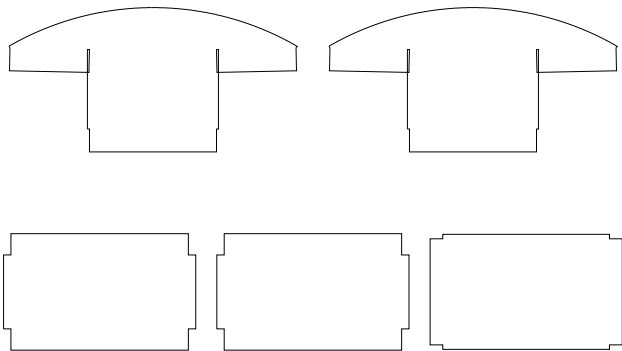
Rectangular



Dims	Options	Conn's
A=Width In		C1=TDC
B=Depth		C2=TDC
C=Width Out		C3=TDC
D=Angle Out		
E=Length		
F=Slope Angle		
G=Extension		

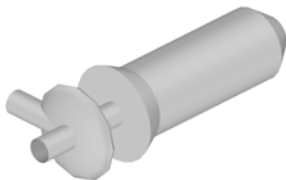
Seams
S1=PIITS-S

Damper:



Pattern: 883

Pipework



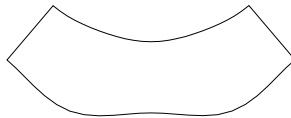
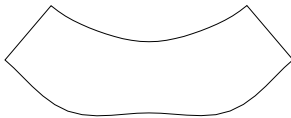
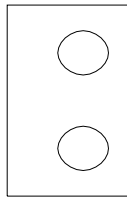
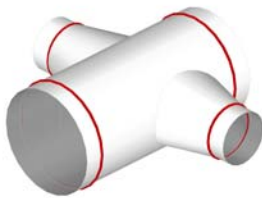
Dims	Options	Conn's
A=Diameter	Type=Vertical	C1=None
B=Diameter	Flare=Out	C2=None
C=Length	End=Flare	
D=Height	Height=0.000	
E=Height	Thickness=0.000	
F=Inset	Quantity=0	
G=Inset	X Rotation=0.000	
H=Centre Length	Y Rotation=0.000	
I=Offset	Slope Angle=0.000	
J=Offset		
K=Length		
L=Diameter		
M=Length		

Seams

Damper:

Pattern: 884

Round

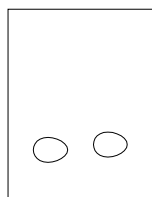
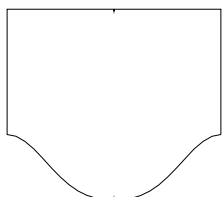
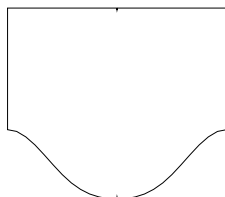
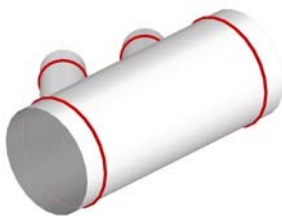


Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC... C12=Spi...
B=Pipe Length	Branch Parts=1	C2=GRC... C13=Spi...
C=Left Extension	Pipe Seam Position=0.000	C3=GRC... C14=Spi...
D=Right Extension	First Break=0.000	C4=GRC... C15=Spi...
E=Branch Diameter #1	Second Break=0.000	C5=Spir... C16=Spi...
F=Hole Width #1	Third Break=0.000	C6=Spir... C17=Spi...
G=Hole Depth #1	Pipe Diameter Type=Nominal	C7=Spir... C18=Spi...
H=Branch Length #1	Branch Diameter Type=Nominal	C8=Spir... C19=Spi...
I=Angle #1	Hole Adjust=0.000	C9=Spir... C20=Spi...
J=Inset #1	Branch Allowance To Pipe=0.000	C10=Spi... C21=Spi...
K=Offset #1	Branch Seam Position=0.000	C11=Spi... C22=Spi...
L=Rotation #1	Plate Border=0.000	Seams
M=Collar #1	Plate Border (Width)=Equal	S1=None
N=Hole Offset #1	Plate Type=Rectangular	S2=None
O=Branch Diameter #2	Inlet=1	
P=Hole Width #2	Outlet=2	
Q=Hole Depth #2		
R=Branch Length #2		
S=Angle #2		
T=Inset #2		
U=Offset #2		
V=Rotation #2		
W=Collar #2		
X=Hole Offset #2		
Y=Branch Diameter #3		
Z=Hole Width #3		
a=Hole Depth #3		
b=Branch Length #3		
c=Angle #3		
d=Inset #3		
e=Offset #3		

Damper:

Pattern: 885

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	First Break=0.000	C3=GRC_Swage-Male
D=Right Extension	Second Break=0.000	C4=GRC_Swage-Male
E=Branch Diameter	Third Break=0.000	
F=Branch Length	Seam Position=0.000	
G=Angle	Pipe Diameter Type=Nominal	
H=Twist Angle	Branch Diameter Type=Nominal	
I=Inset	Branch Diameter Type=Nominal	
J=Rotation	Hole Adjust=0.000	
K=Extension	Branch Allowance To Pipe=0.000	
L=Branch Diameter	Branch Seam Position=0.000	
M=Branch Length	Throat Cut Back (Degrees)=0.000	
N=Angle	Cut Back Allowance (%)=0.000	
O=Twist Angle	Plate Border=0.000	
P=Inset	Plate Type=Rectangular	
Q=Rotation	Plate Border (Width)=Auto	
R=Extension	Use Pipe Seam For Branches=No	

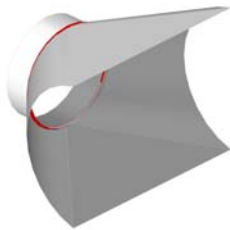
Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 886

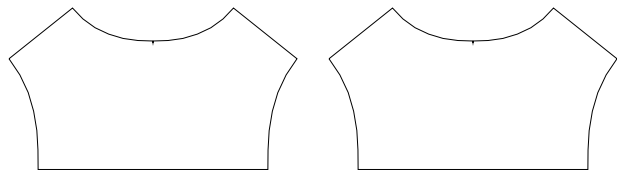
Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Branch Diameter	Branch Diameter Type=Nominal	C2=GRC_Swage-Male
C=Branch Length	Branch Diameter Type=Nominal	C3=GRC_Swage-Male
D=Angle	Hole Adjust=0.000	
E=Angle	Round Allowance To Pipe=0.000	
F=Collar	Flat Allowance To Pipe=0.000	
G=Offset	Seam Position=0.000	
	Branch Parts=2	
	Flat Right=No	

Seams
S1=None
S2=None

Damper:



Pattern: 887

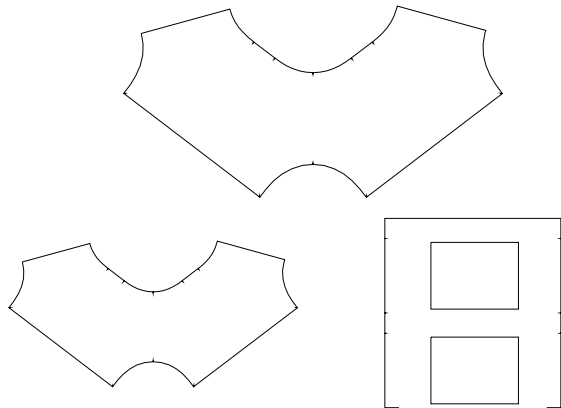
Flat Oval



Dims	Options	Conn's
A=Major Axis	Pipe Parts=1	C1=SE Oval
B=Minor Axis	Branch Parts=1	C2=SE Oval
C=Pipe Length	Pipe Seam Position=0.000	C3=SE Oval
D=Left Extension	Pipe Diameter Type=Nominal	C4=SE Oval
E=Right Extension	Branch Diameter Type=Nominal	
F=Width #1	Round Allowance To Pipe=0.000	
G=Depth #1	Flat Allowance To Pipe=0.000	
H=Branch Length #1	Hole Adjust=0.000	
I=Angle #1	Add Collars To Body=No	
J=Angle #1		
K=Inset #1		
L=Offset #1		
M=Rotation #1		
N=Collar #1		
O=Width #2		
P=Depth #2		
Q=Branch Length #2		
R=Angle #2		
S=Angle #2		
T=Inset #2		
U=Offset #2		
V=Rotation #2		
W=Collar #2		

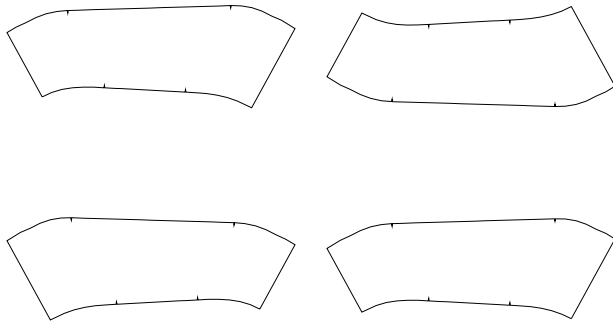
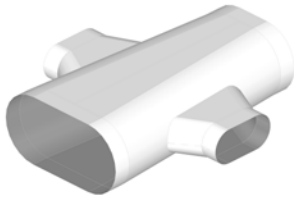
Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)
S3=1/2 Lap (F)

Damper:



Pattern: 888

Flat Oval



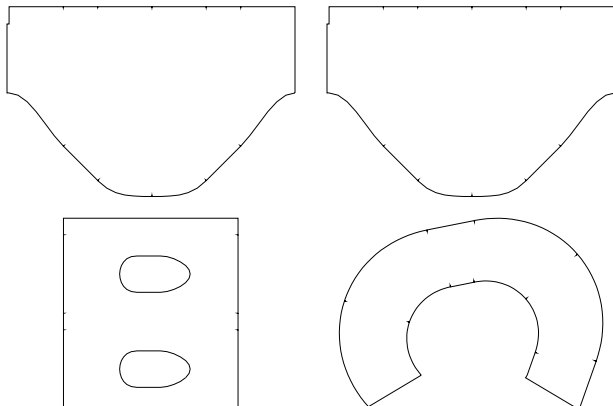
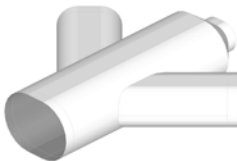
Dims	Options	Conn's
A=Width In	Pipe Parts=No Pipe	C1=SE Oval
B=Depth In	Diameter Type In=Nominal	C2=SE Oval
C=Width Out	Diameter Type Out=Nominal	C3=SE Oval
D=Depth Out	Branch Diameter Type=Nominal	C4=SE Oval
E=Length	Seam Position=Major Axis	
F=Offset Width	Offset Width=Left In	
G=Offset Depth	Offset Depth=Bottom Up	
H=Left Collar	Hole Adjust=0.000	
I=Right Collar	Branch Allowance To Pipe=0.000	
J=Branch Width #1	Branch Offset=Centres	
K=Branch Depth #1	Branch Inset=Throat	
L=Branch Length #1	Branch Length=Throat	
M=Inset #1	Branch Parts=2	
N=Offset #1	Develop Branch Collars=No	
O=Extension #1		
P=Hole Width #1		
Q=Hole Depth #1		
R=Branch Width #2		
S=Branch Depth #2		
T=Branch Length #2		
U=Inset #2		
V=Offset #2		
W=Extension #2		
X=Hole Width #2		
Y=Hole Depth #2		

Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)

Damper:

Pattern: 889

Round/Flat Oval



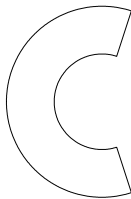
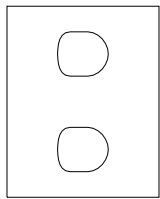
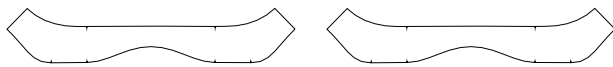
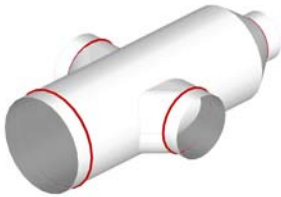
Dims	Options	Conn's
A=Width	Pipe Parts=1	C1=SE Oval
B=Depth	Branch Parts=1	C2=SE Oval
C=Length	Pipe Diameter Type=Nominal	C3=SE Oval
D=Left Extension	Branch Diameter Type=Nominal	C4=SE Oval
E=Right Extension	Seam Position=0.000	C5=SE Oval
F=Branch Width #1	Right Diameter Type=Nominal	
G=Branch Depth #1	Branch Allowance To Pipe=0.000	
H=Branch Length #1	Reducer Parts=1	
I=Angle #1	True Oval Straight=No	
J=Inset #1	Hole Adjust=0.000	
K=Offset #1		
L=(Hole) Rotation #1		
M=Extension #1		
N=Branch Width #2		
O=Branch Depth #2		
P=Branch Length #2		
Q=Angle #2		
R=Inset #2		
S=Offset #2		
T=Rotation #2		
U=Extension #2		
V=Right Width		
W=Right Depth		
X=Right Length		
Y=Offset Width		
Z=Offset Depth		

Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)
S3=1/2 Lap (F)

Damper:

Pattern: 890

Round



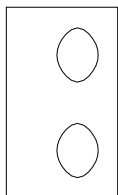
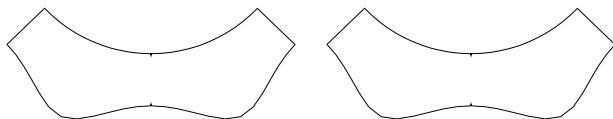
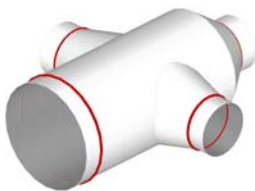
Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Right Diameter	Branch Parts=1	C2=GRC_Swage-Male
C=Pipe Length	Pipe Seam Position=0.000	C3=GRC_Swage-Male
D=Right Length	Branch Seam Position=Throat	C4=GRC_Swage-Male
E=Left Extension	Pipe Diameter Type=Nominal	C5=GRC_Swage-Male
F=Right Extension	Branch Diameter Type=Nominal	
G=Branch Diameter	Branch Diameter Type=Nominal	
H=Branch Length	Branch Allowance To Pipe=0.000	
I=Angle	Hole Adjust=0.000	
J=Inset	Straight Notch=No	
K=Offset	Plate Border=0.000	
L=Rotation	Plate Type=Rectangular	
M=Collar	Plate Border (Width)=Auto	
N=Branch Diameter	Right Diameter Type=Nominal	
O=Branch Length	Inset=Front	
P=Angle	Reducer Parts=1	
Q=Inset		
R=Offset		
S=Rotation		
T=Collar		

Seams
S1=None
S2=None
S3=None

Damper: None
None

Pattern: 891

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Right Diameter	Branch Parts=1	C2=GRC_Swage-Male
C=Pipe Length	Seam Position=0.000	C3=GRC_Swage-Male
D=Right Length	Pipe Diameter Type=Nominal	C4=GRC_Swage-Male
E=Left Extension	Branch Diameter Type=Nominal	C5=GRC_Swage-Male
F=Right Extension	Branch Diameter Type=Nominal	
G=Branch Diameter	Hole Adjust=0.000	
H=Branch Length	Branch Allowance To Pipe=0.000	
I=Angle	Branch Seam Position=0.000	
J=Inset	Plate Border=0.000	
K=Rotation	Plate Type=Rectangular	
L=Collar	Input=Angle	
M=Branch Diameter	Plate Border (Width)=Auto	
N=Branch Length	Right Diameter Type=Nominal	
O=Angle	Reducer Parts=1	
P=Inset		
Q=Rotation		
R=Collar		
S=Btm Width		
T=Btm Width		

Seams
S1=None
S2=None
S3=None
S4=None

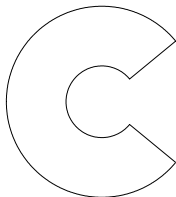
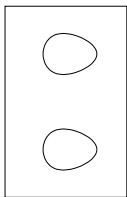
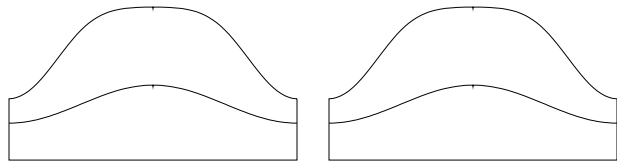
Damper: None
None
None
None

Pattern: 892

Round

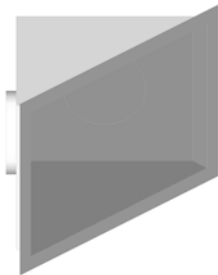


Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Right Diameter	Branch Parts=1	C2=GRC_Swage-Male
C=Pipe Length	First Break=0.000	C3=GRC_Swage-Male
D=Right Length	Second Break=0.000	C4=GRC_Swage-Male
E=Left Extension	Third Break=0.000	C5=GRC_Swage-Male
F=Right Extension	Seam Position=0.000	C6=GRC_Swage-Male
G=Branch Diameter	Pipe Diameter Type=Nominal	C7=GRC_Swage-Male
H=Branch Length	Branch Diameter Type=Nominal	
I=Angle	Branch Diameter Type=Nominal	
J=Inset	Hole Adjust=0.000	
K=Offset	Branch Allowance To Pipe=0.000	
L=Rotation	Throat Cut Back (Degrees)=0.000	
M=Extension	Right Diameter Type=Nominal	
N=Collar	Reducer Parts=1	
O=Branch Diameter	Branch Inset=Front	
P=Branch Length		
Q=Angle		
R=Inset		
S=Offset		
T=Rotation		
U=Extension		
V=Collar		

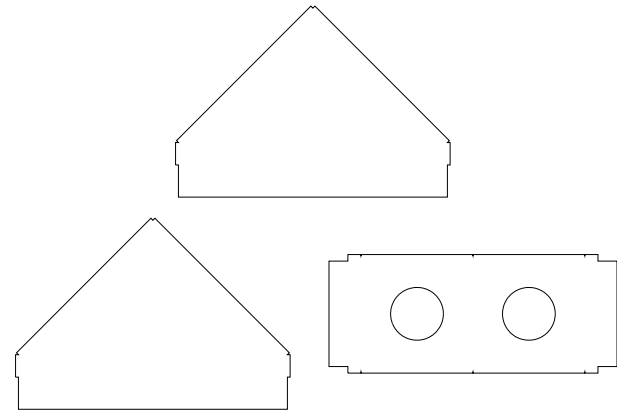


Pattern: 893

Rectangular



Dims	Options	Conn's
A=Width	Vee Depth Male=Auto	C1=TDC
B=Depth	Vee Depth Female=Auto	
C=Angle	Vee Notch Angle=30.000	
D=Extension	Use Vee Notch=No	
E=Hole Width		
F=Hole Depth		
G=Hole Radius		
H=Offset Width		
I=Offset Depth		
J=Hole Width		
K=Hole Depth		
L=Hole Radius		
M=Offset Width		
N=Offset Depth		
O=Step In Depth		
P=Step In Height		
Q=Depth		



Seams
S1=None
S2=None
S3=None

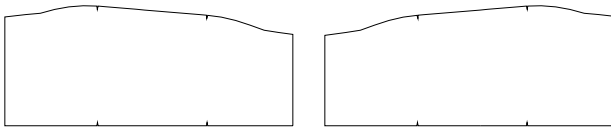
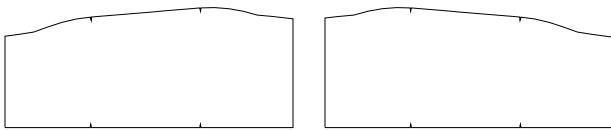
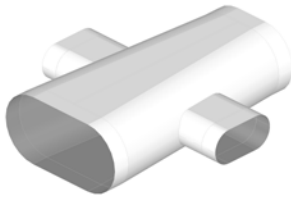
Damper:

Seams
S1=PIITS-S

Damper:

Pattern: 894

Flat Oval



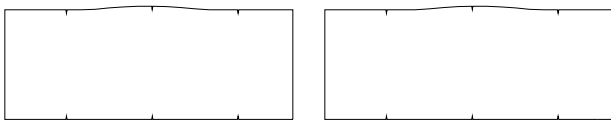
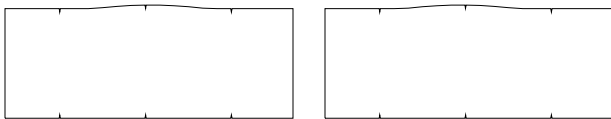
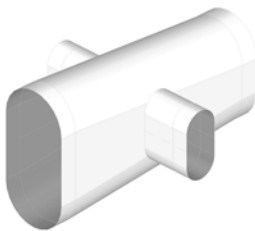
Dims	Options	Conn's
A=Major Axis	Pipe Parts=No Pipe	C1=SE Oval
B=Minor Axis	Diameter Type In=Nominal	C2=SE Oval
C=Major Axis	Diameter Type Out=Nominal	C3=SE Oval
D=Minor Axis	Branch Diameter Type=Nominal	C4=SE Oval
E=Length	Seam Position=Major Axis	
F=Offset Width	Offset Width=Left In	
G=Offset Depth	Offset Depth=Bottom Up	
H=Left Collar	Hole Adjust=0.000	
I=Right Collar	Branch Allowance To Pipe=0.000	
J=Branch Major Axis #1	Branch Offset=Centres	
K=Branch Minor Axis #1	Branch Inset=Throat	
L=Branch Length #1	Branch Length=Throat	
M=Angle #1	Branch Parts=2	
N=Inset #1	Develop Branch Collars=No	
O=Offset #1		
P=Extension #1		
Q=Branch Major Axis #2		
R=Branch Minor Axis #2		
S=Branch Length #2		
T=Angle #2		
U=Inset #2		
V=Offset #2		
W=Extension #2		

Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)

Damper:

Pattern: 895

Flat Oval



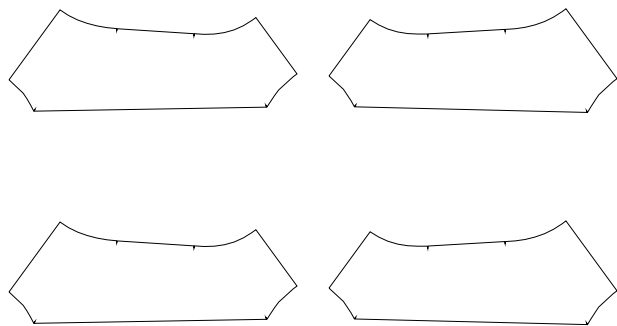
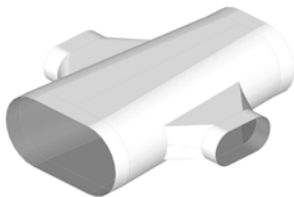
Dims	Options	Conn's
A=Minor Axis	Pipe Parts=No Pipe	C1=SE Oval
B=Major Axis	Diameter Type In=Nominal	C2=SE Oval
C=Minor Axis	Diameter Type Out=Nominal	C3=SE Oval
D=Major Axis	Branch Diameter Type=Nominal	C4=SE Oval
E=Length	Seam Position=Major Axis	
F=Offset Width	Offset Width=Left In	
G=Offset Depth	Offset Depth=Bottom Up	
H=Left Collar	Hole Adjust=0.000	
I=Right Collar	Branch Allowance To Pipe=0.000	
J=Branch Width #1	Branch Offset=Centres	
K=Branch Depth #1	Branch Inset=Throat	
L=Branch Length #1	Branch Length=Throat	
M=Angle #1	Branch Parts=2	
N=Inset #1	Develop Branch Collars=No	
O=Offset #1		
P=Extension #1		
Q=Branch Width #2		
R=Branch Depth #2		
S=Branch Length #2		
T=Angle #2		
U=Inset #2		
V=Offset #2		
W=Extension #2		

Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)

Damper:

Pattern: 896

Flat Oval



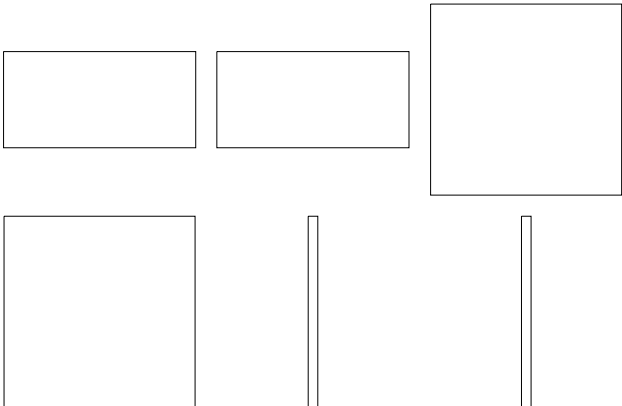
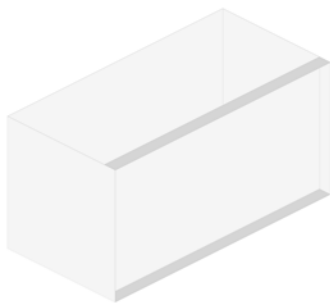
Dims	Options	Conn's
A=Major Axis	Pipe Parts=No Pipe	C1=SE Oval
B=Minor Axis	Diameter Type In=Nominal	C2=SE Oval
C=Major Axis	Diameter Type Out=Nominal	C3=SE Oval
D=Minor Axis	Branch Diameter Type=Nominal	C4=SE Oval
E=Length	Seam Position=Major Axis	
F=Offset Width	Offset Width=Left In	
G=Offset Depth	Offset Depth=Bottom Up	
H=Left Collar	Hole Adjust=0.000	
I=Right Collar	Branch Allowance To Pipe=0.000	
J=Branch Major Axis #1	Branch Offset=Centres	
K=Branch Minor Axis #1	Branch Inset=Throat	
L=Branch Length #1	Branch Length=Throat	
M=Inset #1	Branch Parts=2	
N=Offset #1	Develop Branch Collars=No	
O=Extension #1		
P=Hole Width #1		
Q=Hole Depth #1		
R=Branch Major Axis #2		
S=Branch Minor Axis #2		
T=Branch Length #2		
U=Inset #2		
V=Offset #2		
W=Extension #2		
X=Hole Width #2		
Y=Hole Depth #2		

Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)

Damper:

Pattern: 898

Rectangular/Standard



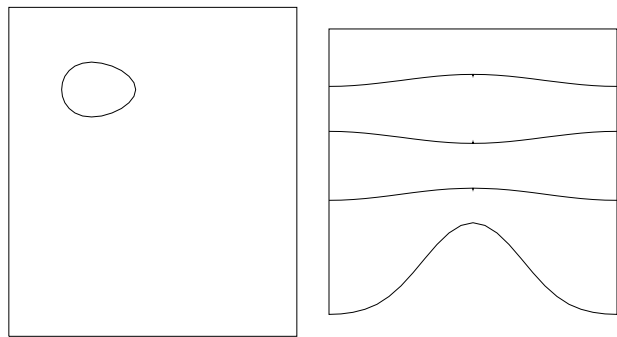
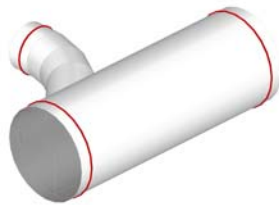
Dims	Options	Conn's
A=Width	Vertical=1	
B=Height	Horizontal=1	
C=Depth	Shelf Recess=0.000	
D=Kick Height	Kick Recess=0.000	
E=Centre Stile Width	Doors=None	

Seams

Damper:

Pattern: 899

Round



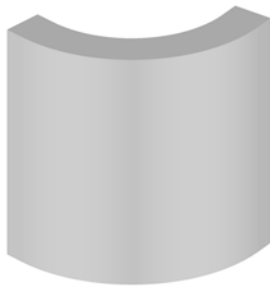
Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Pipe Seam Position=180.000	C2=GRC_Swage-Male
C=Left Extension	Pipe Parts=1	C3=GRC_Swage-Male
D=Right Extension	First Break=0.000	C4=GRC_Swage-Male
E=Diameter	Second Break=0.000	
F=Angle	Third Break=0.000	
G=Inset #1	Branch Diameter Type=Nominal	
H=Height	Branch Seam Position=0.000	
I=Top Extension	Cross Break=1	
	Number Of Segments=4	
	Nest Break Start Segment=0	
	Nest Break End Segment=0	
	Marker Type=Notch	
	Hole Adjust=0.000	
	Notch Angle For Seam=0	
	Stitch Gap=0.000	
	Number Of Stitches=4	
	Branch Allowance To Pipe=0.000	
	Angle Tolerance=0.000	

Seams
S1=None
S2=None

Damper:

Pattern: 900

Electrical



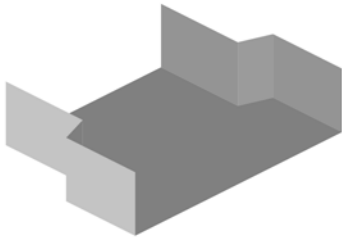
Dims	Options	Conn's
A=Width	Rungs=3	C1=None
B=Depth	Type=Tray	C2=None
C=Angle	Type=Inside Riser	
D=Nominal Radius	Angle=No	
E=Extension	Pattern=No	
F=Rail Width	Auto Mirror=Yes	
G=Rung Width	Mid Rungs=4	
H=Rung Depth	Top Rungs=2	
I=Rung Height	Bottom Rungs=2	
J=Rung Inset	Width=Inside	
K=Bottom Extension	Throat Type=Radius	
L=Wire Y Spacing		
M=Wire X Spacing		

Seams

Damper:

Pattern: 901

Electrical



Dims	Options	Conn's
A=Bottom Width	Offset Width=Central	C1=None
B=Bottom Depth	Type=Tray	C2=None
C=Top Width	Angle=Yes	
D=Top Depth	Pattern=No	
E=Angle	X Size=0.000	
F=Length	Y Size=0.000	
G=Extension	Base Depth=0.000	
H=Rail Width	Use Spacing=No	
I=Rung Width	Number Of Rungs=2	
J=Rung Depth	Oversized Item=No	
K=Rung Height	Offset Depth=Default	
L=Rung Inset		
M=Wire Diameter		
N=Wire X Spacing		
O=Wire Y Spacing		

Seams

Damper:

Pattern: 902

Rectangular/Round/Flat Oval/Standard

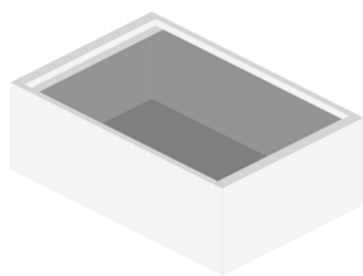
Dims	Options	Conn's
	Inlet=1	
	Outlet=1	
	Pipework=No	
	Show Boundaries=No	

Seams

Damper:

Pattern: 903

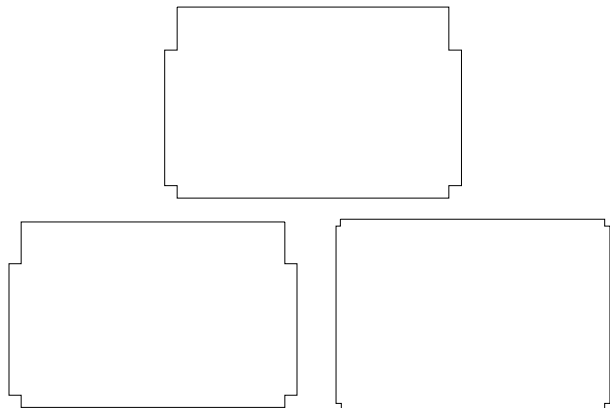
Rectangular



Dims	Options	Conn's
A=Width	Vee Notch Depth=0.000	
B=Depth	Vee Notch Angle=0	
C=Height		
D=Door Depth		
E=Top Thickness		
F=Side Thickness		
G=Door Overhang		
H=Turnover		

Seams

Damper:



Pattern: 905

Electrical



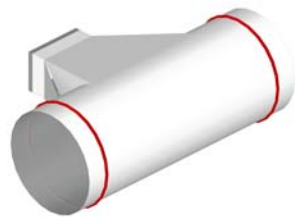
Dims	Options	Conn's
A=Width	Type=Tray	C1=None
B=Depth	Throat Type=Radius	C2=None
C=Branch Width	Type=Outside	C3=None
D=Inner Radius	Pattern=No	
E=Right Extension	X Size=0.000	
F=Rail Width	Y Size=0.000	
G=Rung Width	Inlet=1	
H=Rung Depth	Outlet=2	
I=Rung Offset	Double=No	
J=Rung Inset	Draw Throat=No	
K=Wire Diameter	Rungs Type=Fixed	
L=Wire X Spacing	Mid Rungs=4	
M=Wire Y Spacing	Left Rungs=2	
N=Bottom Extension	Right Rungs=2	
O=Left Extension	Bottom Rungs=2	
P=Branch Wire Spacing		

Seams

Damper:

Pattern: 906

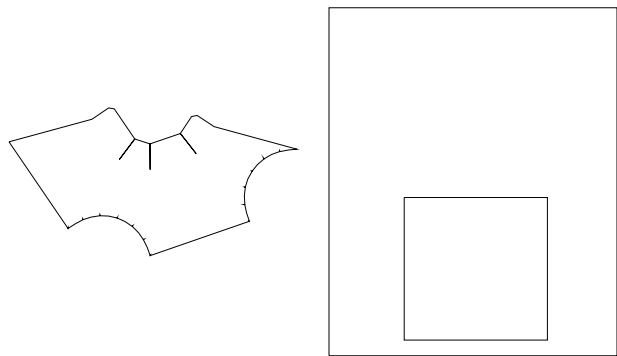
Round



Dims	Options	Conn's
A=Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Length	Branch Parts=1	C2=GRC_Swage-Male
C=Left Extension	Pipe Seam Position=0.000	C3=S&D
D=Right Extension	Pipe Diameter Type=Nominal	
E=Branch Width	Round Allowance To Pipe=0.000	
F=Branch Depth	Flat Allowance To Pipe=0.000	
G=Branch Length	Hole Adjust=0.000	
H=Angle	Add Collars To Body=No	
I=Angle		
J=Inset		
K=Offset		
L=Rotation		
M=Extension		

Seams
S1=None
S2=None
S3=None

Damper:



Pattern: 907

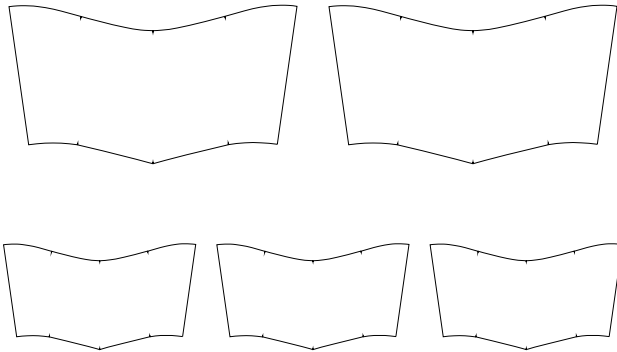
Round



Dims	Options	Conn's
A=Bottom Diameter	Bottom Diameter Type=Nominal	C1=GRC_Swage-Male
B=Top Diameter #1	Top Diameter Type=Nominal	C2=GRC_Swage-Male
C=Top Diameter #2	Seam Position=Front	C3=GRC_Swage-Male
D=Top Diameter #3	Cross Break=1	C4=GRC_Swage-Male
E=Top Diameter #4		C5=GRC_Swage-Male
F=Top Diameter #5		C6=GRC_Swage-Male
G=Height		C7=GRC_Swage-Male
H=Length #1		
I=Bottom Collar		
J=Collar		
K=Length #2		
L=Length #3		
M=Length #4		
N=Length #5		

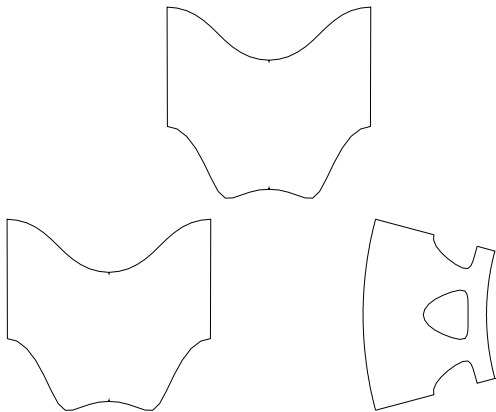
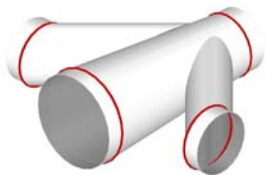
Seams
S1=None

Damper:



Pattern: 908

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Diameter	Branch Parts=1	C2=GRC_Swage-Male
C=Pipe Length	Seam Position=270.000	C3=GRC_Swage-Male
D=Left Collar	Seam Position=Throat	C4=GRC_Swage-Male
E=Right Collar	Diameter Type BE=Nominal	
F=Branch Diameter	Diameter Type SE=Nominal	
G=Branch Length	Branch Diameter Type=Nominal	
H=Angle	Branch Diameter Type=Nominal	
I=Inset	Hole Adjust=0.000	
J=Offset	Branch Allowance To Pipe=0.000	
K=Rotation		
L=Collar		
M=Branch Diameter		
N=Branch Length		
O=Angle		
P=Inset		
Q=Offset		
R=Rotation		
S=Collar		

Seams
S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 909

Electrical



Dims	Options	Conn's
A=Width	Type=Tray	C1=None
B=Depth	Base Depth=0.000	C2=None
C=Length	Use Spacing=No	
D=Offset	Oversized Item=No	
E=Left Extension		
F=Right Extension		
G=Wire Diameter		
H=Wire X Spacing		
I=Wire Y Spacing		

Seams

Damper:

Pattern: 910

Rectangular/Standard



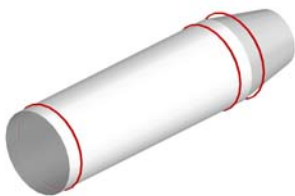
Dims	Options	Conn's
A=Depth	Type=Full	C1=TDC
B=Width	Rotation=Vertical	C2=TDC
C=Height	Closed=Yes	
D=Flange	Hole Type=Circle/Ellipse	
E=Flange	Draw as Single Line=No	
F=Radius	Full=No	
G=Radius	Connectors=Yes	
H=Web	Hole Rotation=0	
I=Left Horizontal Angle	Export=No	
J=Right Horizontal Angle		
K=Left Vertical Angle		
L=Right Vertical Angle		
M=Turnover #1		
N=Turnover #2		
O=Hole Inset		
P=Hole Offset		
Q=Hole Width		
R=Hole Depth		
S=Hole Spacing		
T=Number Of Holes		
U=Plate Width #1		
V=Plate Depth #1		
W=Plate Thickness #1		
X=Plate Inset #1		
Y=Plate Offset #1		
Z=Plate Width #2		
a=Plate Depth #2		
b=Plate Thickness #2		
c=Plate Inset #2		
d=Plate Offset #2		

Seams

Damper:

Pattern: 911

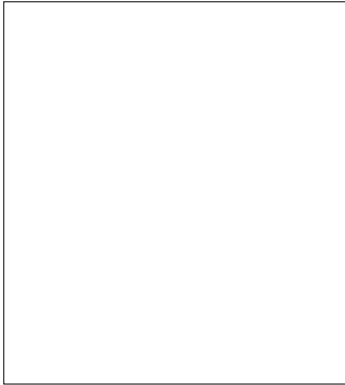
Round/Flat Oval



Dims	Options	Conn's
A=Pipe Width	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Depth	Reducer Diameter Type=Nominal	C2=GRC_Swage-Male
C=Pipe Length	Pipe Parts=1	C3=GRC_Swage-Male
D=Reducer Width	Pipe Seam Position=0.000	
E=Reducer Depth	Offset Width=Left In	
F=Reducer Length	Offset Depth=Bottom Up	
G=Offset Width	Diameter Reduction=0.000	
H=Offset Depth		
I=Left Extension		
J=Right Extension		

Seams
S1=1/2 Lap (F)

Damper:



Pattern: 912

Round



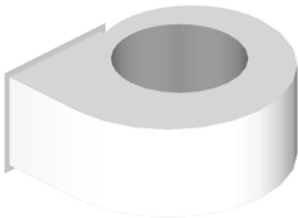
Dims	Options	Conn's
A=Diameter	Inlet=1	
B=Height	Outlet=1	
C=Top Length	Library=Round	
D=Btm Length	Fix Double Wall=No	
	Branches Inset Centrally=No	

Seams

Damper:

Pattern: 913

Rectangular/Round



Dims	Options	Conn's
A=Width	Mirror=No	C1=TDC
B=Depth	Base Depth=Yes	C2=GRC_Swage-Male
C=Length	Cost Supports=No	
D=Height		
E=X Distance		
F=Y Distance		
G=Diameter		
H=Rotation		
I=Base Height		
J=Base Width		
K=Base Depth		
L=Extension		

Seams

Damper:

Pattern: 914

Rectangular



Dims	Options	Conn's
A=Width	Install Type=Plain	C1=TDC
B=Depth	Sex Type=Male	C2=TDC
C=Length	Control Type=Plain	
D=Inset	Type=Single	
E=Inset	Draw Type=None	
F=Sides	Temperature Type=None	
G=Top	Draw Type=None	
H=Bottom	Lines=No	
I=Extension	X-Offset=0.000	
J=Right Extension	Y-Offset=0.000	
K=Sides	Position=Left	
L=Bottom	Orientation=Vertically Down	
M=Top	Detail=Low	
	Type=Auto	
	Cost Supports=No	
	Lines Type=Quantity	
	Lines=3.000	

Seams

Damper:

Pattern: 915

Rectangular

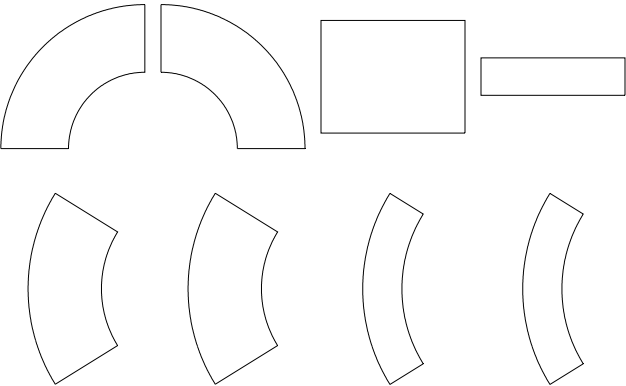


Dims	Options	Conn's
A=Diameter		
B=Inner Radius		
C=Angle		

Seams

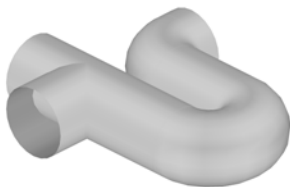
S1=PIITS-S

Damper:



Pattern: 916

Pipework



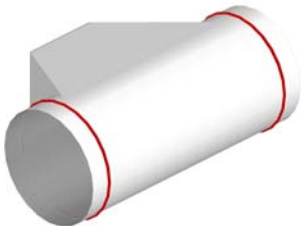
Dims	Options	Conn's
A=Diameter	Type=Straight Branch	C1=None
B=Depth	Rotation=0.000	C2=None
C=Height	Inlet=1	
D=Y-Offset	Outlet=2	
E=X-Offset	Angle Tolerance=0.000	
F=Inner Radius		
G=Inner Radius		
H=Angle Out		
I=Base Angle		
J=C2 Inner Diameter		

Seams

Damper:

Pattern: 917

Round

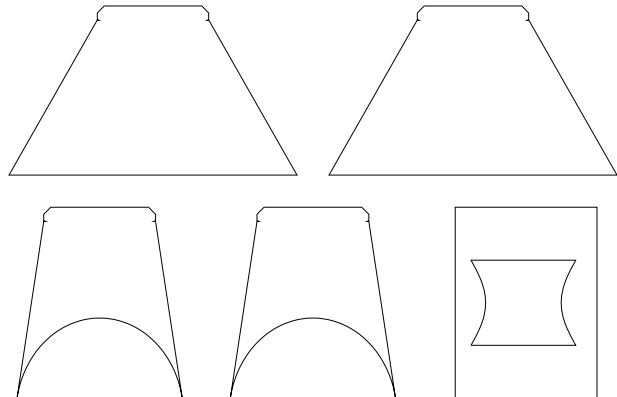


Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Round Allowance To Pipe=0.000	C2=GRC_Swage-Male
C=Left Extension	Flat Allowance To Pipe=0.000	C3=S&D
D=Right Extension	Hole Adjust=0.000	
E=Branch Width	Pipe Parts=1	
F=Branch Depth	First Break=0.000	
G=Branch Length	Second Break=0.000	
H=Side Angle	Third Break=0.000	
I=Front Angle	Pipe Seam Position=270.000	
J=Inset	Castle Width=0.000	
K=Offset	Castle Angle=30.000	
L=Rotation		
M=Extension		

Seams

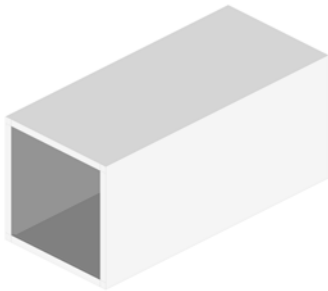
S1=None
S2=None

Damper:



Pattern: 918

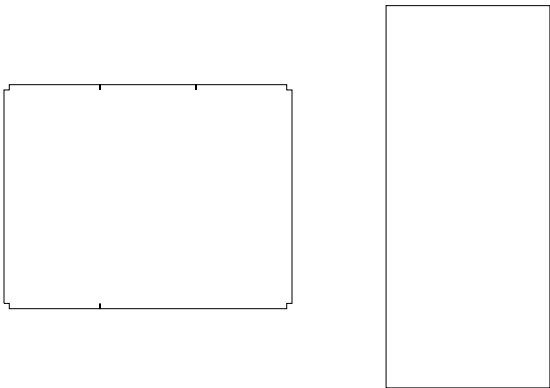
Rectangular



Dims	Options	Conn's
A=Width	Turnover=In	C1=S&D
B=Depth	Turnover=Top	C2=S&D
C=Length	Vee Notch Depth=Auto	
D=Turnover #1	Vee Notch Angle=0.000	
E=Turnover #2	Marker Depth=0.000	
	Marker Angle=0.000	
	Type=Rectangular	
	Left Diameter Type=Nominal	
	Right Diameter Type=Nominal	
	Maximum Stretchout=10000.000	

Seams

Damper:



Pattern: 919

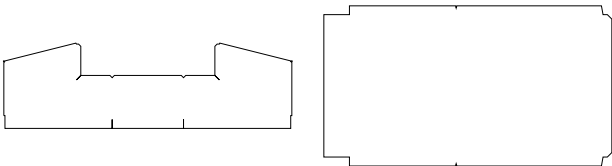
Rectangular



Dims	Options	Conn's
A=Width	Vee Notch Depth=Auto	C1=TDC
B=Depth	Vee Notch Angle=0.000	C2=S&D
C=Length	Marker Depth=0.000	
D=Hole Length	Marker Angle=0.000	
E=Hole Width	Parts=2	
F=Turnover		
G=Left Length		

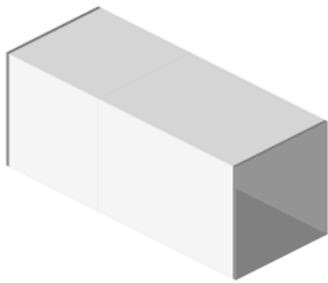
Seams
S1=PIITS-S

Damper:



Pattern: 920

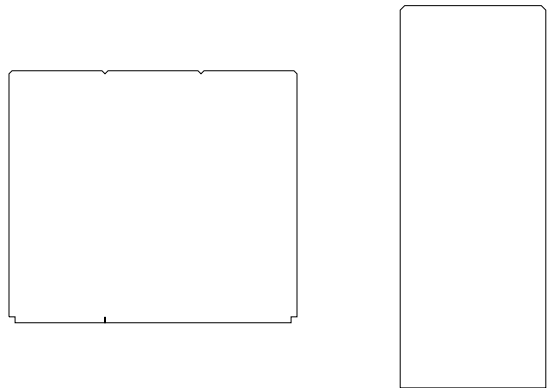
Rectangular



Dims	Options	Conn's
A=Width	Turnover=In	C1=S&D
B=Depth	Vee Notch Depth=Auto	C2=S&D
C=Depth	Vee Notch Angle=0.000	
D=Length	Marker Depth=0.000	
E=Extension	Marker Angle=0.000	
F=Turnover #1	Type=Rectangular	
G=Turnover #2	Diameter Type=Nominal	
	Maximum Stretchout=10000.000	

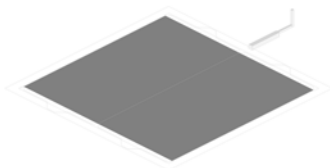
Seams

Damper:



Pattern: 921

Rectangular/Standard



Dims	Options	Conn's
A=Width	Type=Rectangular	C1=None
B=Depth	Vee Notch Depth=0.000	
C=Insulation	Vee Notch Angle=0.000	
D=Duct Adjust		
E=Maximum Width		
F=Corner		
G=Centre		

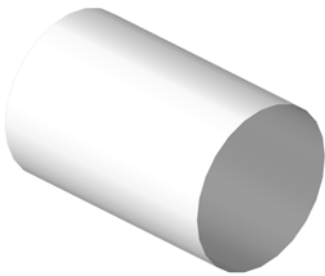
Seams

Damper:



Pattern: 922

Round



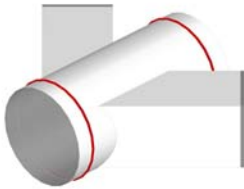
Dims	Options	Conn's
A=Diameter	Parts To Cut=All	C1=GRC_Swage-Male
B=Inner Diameter		C2=GRC_Swage-Male
C=Y Pitch		C3=GRC_Swage-Male
D=Number Of Segments		
E=Quantity		

Seams
S1=None

Damper:

Pattern: 923

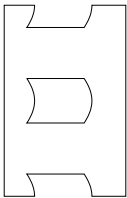
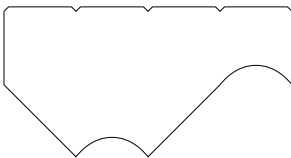
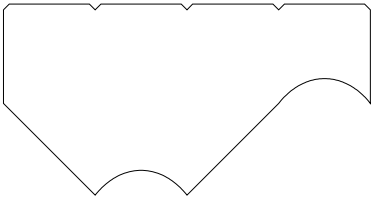
Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Round Allowance To Pipe=0.000	C2=GRC_Swage-Male
C=Left Extension	Flat Allowance To Pipe=0.000	C3=S&D
D=Right Extension	Pipe Parts=1	C4=S&D
E=Branch Width	Branch Parts=1	
F=Branch Depth	First Break=0.000	
G=Branch Length	Second Break=0.000	
H=Angle	Third Break=0.000	
I=Inset	Pipe Seam Position=270.000	
J=Offset	Hole Adjust=0.000	
K=Rotation	Plate Border=0.000	
L=Extension	Castle Width=0.000	
M=Branch Width	Castle Angle=30.000	
N=Branch Depth	Plate Border (Width)=Auto	
O=Branch Length		
P=Angle		
Q=Inset		
R=Offset		
S=Rotation		
T=Extension		

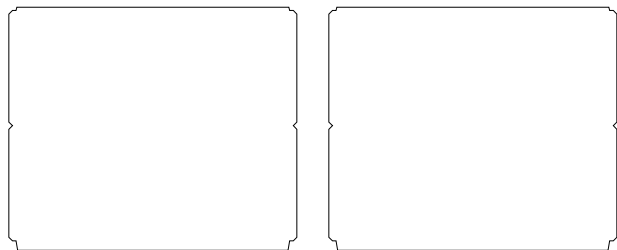
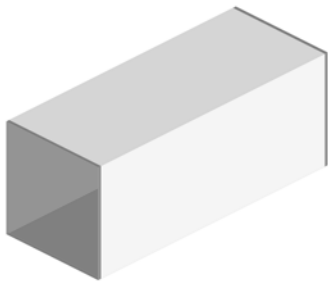
Seams
S1=None
S2=None
S3=None

Damper: None
None
None
None



Pattern: 924

Rectangular



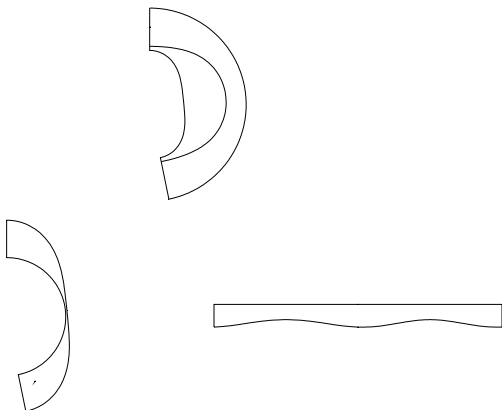
Dims		Options	Conn's
A=Width	B=Depth	Straight Type=1 Part Straight	C1=S&D
C=Length		Duct Length=(inch)	C2=S&D
		Female Allow=Shortest Side	
		1xU,1xI=Shortest Side	
		Allow Multiple Straights=Yes	
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Maximum Sheet Size=None	
		Allow Split Sides=No	
		Maximum Fold Length=None	
		Minimum Fold Length=None	
		Duct Adjust=0.000	
		STD Straight=No	
		Override=None	
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Beading=No	
		Insulation Parts=Same	
		Insulation UI=Shortest Side	

Seams
S1=None
S2=None

Damper:

Pattern: 925

Flat Oval



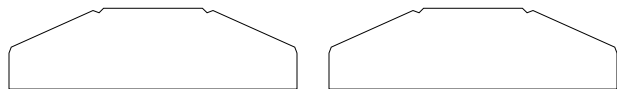
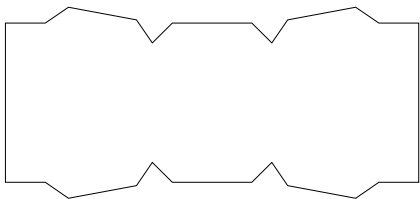
Dims		Options	Conn's
A=Bottom Diameter		Seam Position=180.000	C1=GRC_Swage-Male
B=Height		Cross Break=1	C2=GRC_Swage-Male
C=Offset		Pipe Diameter Type=Nominal	
D=Height		Branch Diameter Type=Nominal	
E=Left Height		Hole Adjust=0.000	
F=Right Height		Stitch Gap=0.000	
G=Branch Height #1		Number Of Stitches=0	
H=Branch Diameter #1			
I=Branch Length #1			
J=Rotation #2			
K=Branch Diameter #2			
L=Branch Length #2			
M=Centre Point #2			
N=Angle #2			
O=Split Vertical			
P=Top Diameter			

Seams

Damper:

Pattern: 926

Rectangular



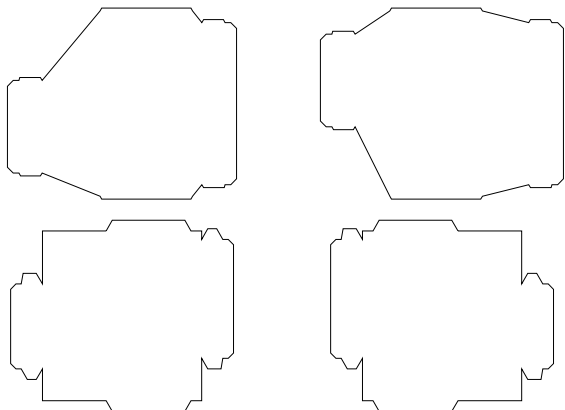
Dims	Options	Conn's
A=Left Width	Item Connector Len1=0.000	C1=S&D
B=Left Depth	Item Connector Len2=0.000	
C=Length	3 Parts=Yes	
D=Right Width	Connector=No	
E=Right Depth	Seam Extension=No	
F=Offset Width	Vee Depth Male=Auto	
G=Offset Depth	Vee Depth Female=Auto	
H=Left Extension	Vee Angle Male=90.000	
I=Right Extension	Vee Angle Female=90.000	
J=Step In Depth	Use Vee Notch=No	
K=Depth	Chamfer Seam Allowances=Yes	
	Input=Angle	
	Rotation=0	
	Cost Supports=No	

Seams
S1=PIITS-S
S2=PIITS-S

Damper:

Pattern: 927

Rectangular



Dims	Options	Conn's
A=Width	Notch Angle For Seam=30.000	C1=S&D
B=Depth		C2=S&D
C=Length		
D=Inlet Width		
E=Inlet Depth		
F=Inlet Length		
G=Inlet Offset Width		
H=Inlet Offset Depth		
I=Outlet Width		
J=Outlet Depth		
K=Outlet Length		
L=Outlet Offset Width		
M=Outlet Offset Depth		

Seams
S1=PIITS-S
S2=PIITS-S

Damper:

Pattern: 928

Round/Standard

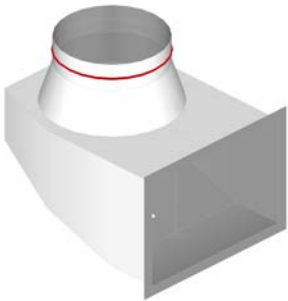
Dims	Options	Conn's
	Inlet=1	
	Outlet=1	
	Library=Duct	
	Faces=No	

Seams

Damper:

Pattern: 929

Rectangular

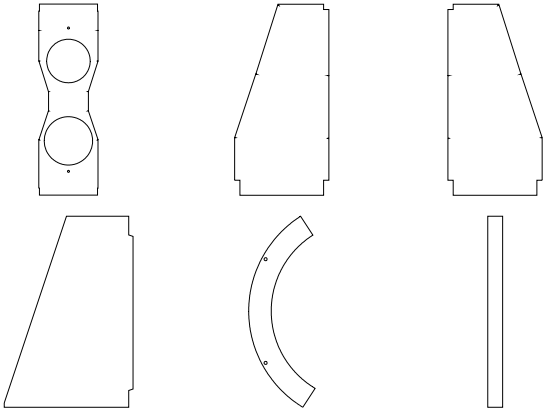


Dims	Options	Conn's
A=Width	Front Top and Back Parts=1	C1=TDC
B=Depth	Pipe Parts=Yes	C2=GRC_Swage-Male
C=Outlet	Hole Adjust=0.000	
D=Diameter	Air Guide=Yes	
E=Height	Air Guide Adjust=0.000	
F=Back	Access Door=Round	
G=Top Width	Pipe Parts=	
H=Sides	Air Guide=	
I=Top Depth	Vee Depth Male=Auto	
J=Pipe Length	Vee Depth Female=Auto	
K=Extension	Vee Angle Male=30	
L=Hole Diameter	Vee Angle Female=30	
M=Tie Rod Position #1	Front Hole Offset=Centre	
N=Tie Rod Hole Diameter	Back Hole Offset=Centre	
O=Tie Rod Position #2		
P=Front Hole Offset		
Q=Back Hole Offset		

Seams

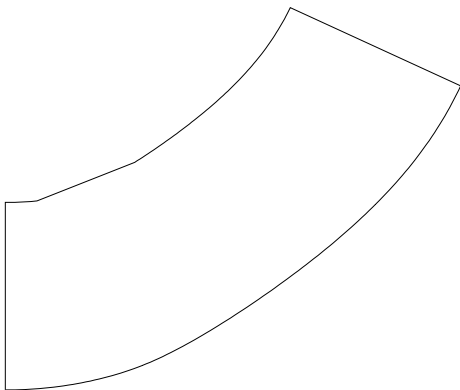
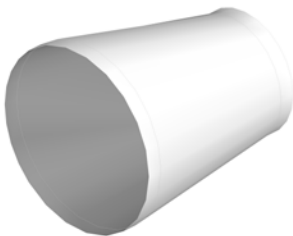
S1=PITTS-S
S2=PITTS-S

Damper:



Pattern: 930

Round



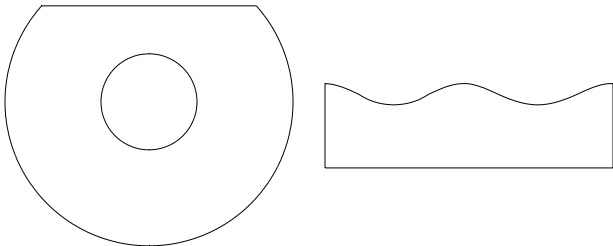
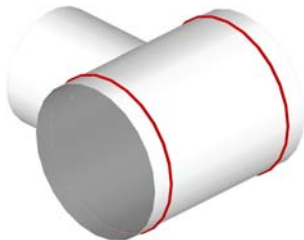
Dims	Options	Conn's
A=Diameter	Seam Position=0.000	C1=GRC_Swage-Male
B=Diameter	2 Parts=No	C2=GRC_Swage-Male
C=Length	Vee Notch Angle=20.000	
D=Y-Offset	Vee Notch Depth (C1)=0.000	
E=X-Offset	Vee Notch Depth (C2)=0.000	
F=Slice Depth	Seam For Weathering=No	
G=Slice Angle	Slice Left=No	
H=Left Collar	Slice Right=Yes	
I=Right Collar		

Seams
S1=None

Damper:

Pattern: 931

Round



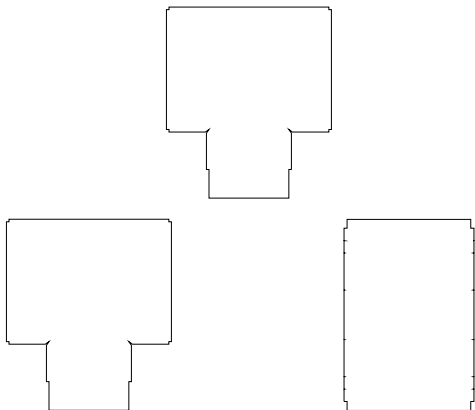
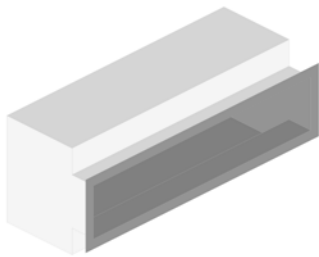
Dims	Options	Conn's
A=Branch Diameter	Branch Seam Position=0.000	C1=GRC_Swage-Male
B=Branch Length	Branch Parts=1	C2=GRC_Swage-Male
C=Hole Diameter	Branch Allowance To Pipe=0.000	
D=Slice Depth	Pipe Seam Position=0.000	
E=Slice Angle	Pipe Parts=None	
F=Pipe Diameter	Hole Adjust=20.000	
G=Pipe Length	Vee Notch Angle=20.000	
H=Inset	Vee Notch Depth=0.000	
I=Left Extension	Lid Parts=1	
J=Right Extension		

Seams
S1=None
S2=None
S3=None

Damper:

Pattern: 932

Rectangular



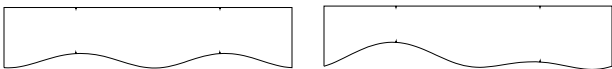
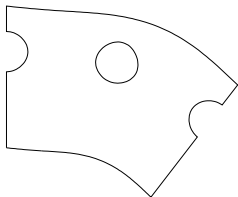
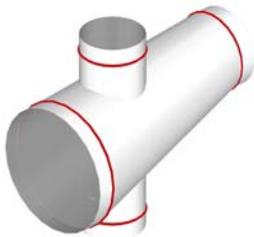
Dims	Options	Conn's
A=Top Width	Vee Angle Female=20	C1=TDC
B=Btm Width	Vee Angle Male=20	
C=Top Height	Vee Depth Female=Auto	
D=Bottom Height	Vee Depth Male=Auto	
E=Length	Chamfer Notches On Outer Corners=No	
F=Offset	3 Part Wrap=No	
	Connector Allowance=4 Sides	
	Cost Supports=No	

Seams
S1=PITTS-S
S2=PITTS-S

Damper:

Pattern: 933

Round



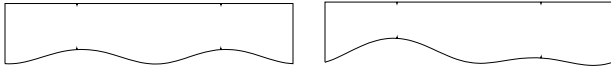
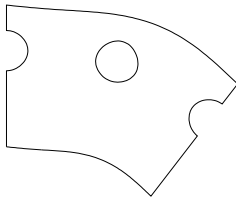
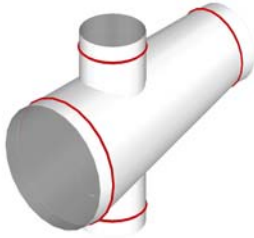
Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Diameter	Seam Position=0.000	C2=GRC_Swage-Male
C=Pipe Length	Hole Adjust=0.000	C3=GRC_Swage-Male
D=Left Extension	Diameter Type=Nominal	C4=GRC_Swage-Male
E=Right Extension	Branch Type=Round	
F=Offset Width	Branch Parts=1	
G=Offset Depth	Branch Seam Position=0.000	
H=Branch Diameter #1	Branch Allowance To Pipe=0.000	
I=Branch Length #1	Branch Diameter Type=Nominal	
J=Angle #1	Branch Type=Round	
K=Inset #1	Branch Parts=1	
L=Offset #1	Branch Seam Position=0.000	
M=Extension #1	Branch Allowance To Pipe=0.000	
N=Branch Diameter #2	Branch Diameter Type=Nominal	
O=Branch Length #2	Develop Collars=No	
P=Angle #2	Develop Branch Collars=No	
Q=Inset #2		
R=Offset #2		
S=Extension #2		

Seams
S1=None
S2=None

Damper:

Pattern: 934

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Diameter	Seam Position=0.000	C2=GRC_Swage-Male
C=Pipe Length	Hole Adjust=0.000	C3=GRC_Swage-Male
D=Left Extension	Diameter Type=Nominal	C4=GRC_Swage-Male
E=Right Extension	Branch Type=Round	
F=Offset Width	Branch Parts=1	
G=Offset Depth	Branch Seam Position=0.000	
H=Branch Diameter #1	Branch Allowance To Pipe=0.000	
I=Branch Length #1	Branch Diameter Type=Nominal	
J=Angle #1	Branch Type=Round	
K=Inset #1	Branch Parts=1	
L=Offset #1	Branch Seam Position=0.000	
M=Extension #1	Branch Allowance To Pipe=0.000	
N=Branch Diameter #2	Branch Diameter Type=Nominal	
O=Branch Length #2	Develop Collars=No	
P=Angle #2	Develop Branch Collars=No	
Q=Inset #2		
R=Offset #2		
S=Extension #2		

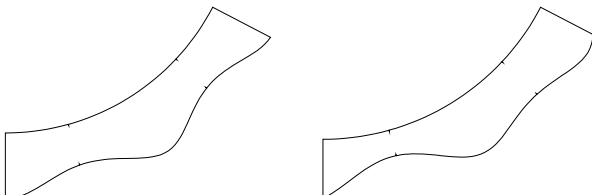
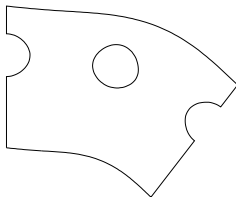
Seams

S1=None
S2=None

Damper:

Pattern: 935

Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Diameter	Seam Position=0.000	C2=GRC_Swage-Male
C=Pipe Length	Hole Adjust=0.000	C3=GRC_Swage-Male
D=Left Extension	Diameter Type=Nominal	C4=GRC_Swage-Male
E=Right Extension	Branch Type=Conical Branch	
F=Offset Width	Branch Parts=1	
G=Offset Depth	Branch Seam Position=0.000	
H=Branch Diameter #1	Branch Allowance To Pipe=0.000	
I=Branch Length #1	Branch Diameter Type=Nominal	
J=Angle #1	Branch Type=Conical Branch	
K=Slope Angle #1	Branch Parts=1	
L=Inset #1	Branch Seam Position=0.000	
M=Offset #1	Branch Allowance To Pipe=0.000	
N=Extension #1	Branch Diameter Type=Nominal	
O=Branch Rotation #1	Develop Collars=No	
P=Branch Diameter #2	Develop Branch Collars=No	
Q=Branch Length #2		
R=Angle #2		
S=Slope Angle #2		
T=Inset #2		
U=Offset #2		
V=Extension #2		
W=Branch Rotation #2		

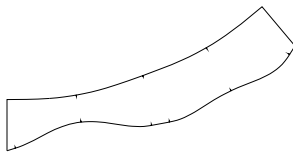
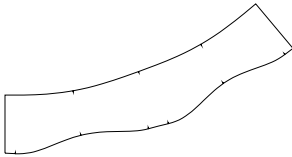
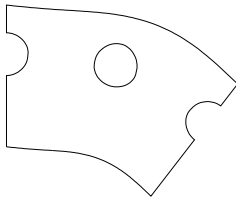
Seams

S1=None
S2=None

Damper:

Pattern: 936

Round



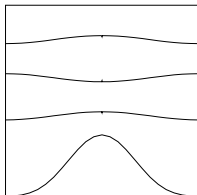
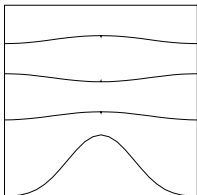
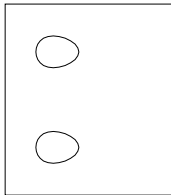
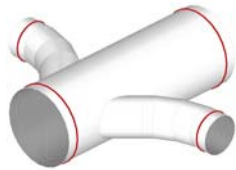
Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Diameter	Seam Position=0.000	C2=GRC_Swage-Male
C=Pipe Length	Hole Adjust=0.000	C3=GRC_Swage-Male
D=Left Extension	Diameter Type=Nominal	C4=GRC_Swage-Male
E=Right Extension	Branch Type=Double Shoe	
F=Offset Width	Branch Parts=1	
G=Offset Depth	Branch Seam Position=0.000	
H=Branch Diameter #1	Branch Allowance To Pipe=0.000	
I=Branch Length #1	Branch Diameter Type=Nominal	
J=Angle #1	Branch Type=Double Shoe	
K=Slope Angle #1	Branch Parts=1	
L=Inset #1	Branch Seam Position=0.000	
M=Offset #1	Branch Allowance To Pipe=0.000	
N=Extension #1	Branch Diameter Type=Nominal	
O=Branch Diameter #2	Develop Collars=No	
P=Branch Length #2	Develop Branch Collars=No	
Q=Angle #2		
R=Slope Angle #2		
S=Inset #2		
T=Offset #2		
U=Extension #2		

Seams
S1=None
S2=None

Damper:

Pattern: 938

Round



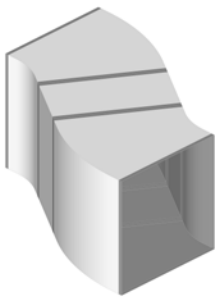
Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=GRC_Swage-Male
B=Pipe Length	Pipe Seam Position=180.000	C2=GRC_Swage-Male
C=Left Extension	Pipe Parts=1	C3=GRC_Swage-Male
D=Right Extension	First Break=0.000	C4=GRC_Swage-Male
E=Branch Diameter #1	Second Break=0.000	C5=GRC_Swage-Male
F=Angle #1	Third Break=0.000	
G=Inset #1	Branch Diameter Type=Nominal	
H=Height #1	Branch Seam Position=0.000	
I=Extension #1	Cross Break=1	
J=Branch Diameter #2	Number Of Segments=4	
K=Angle #2	Nest Break Start Segment=0	
L=Inset #2	Nest Break End Segment=0	
M=Height #2	Marker Type=Notch	
N=Extension #2	Hole Adjust=0.000	
	Notch Angle For Seam=0	
	Stitch Gap=0.000	
	Number Of Stitches=4	
	Branch Allowance To Pipe=0.000	
	Angle Tolerance=0.000	

Seams
S1=None
S2=None

Damper:

Pattern: 939

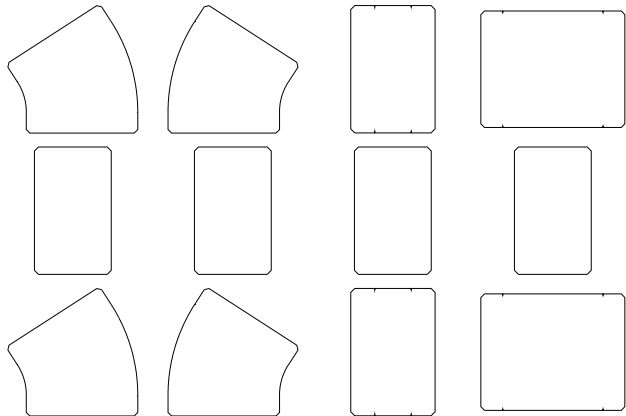
Rectangular



Dims	Options	Conn's
A=Width	Vee Depth Male=Auto	C1=S&D
B=Depth	Vee Depth Female=Auto	C2=S&D
C=Length	Vee Angle Male=30	C3=S&D
D=Extension In	Vee Angle Female=30	C4=S&D
E=Extension Out	Offset Width=Left In	
F=Offset Width	Restricted Flow=Warning	
G=Radius		
H=Connector Inset		

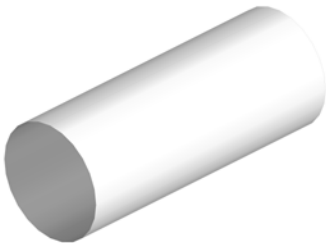
Seams
S1=None
S2=None

Damper:



Pattern: 940

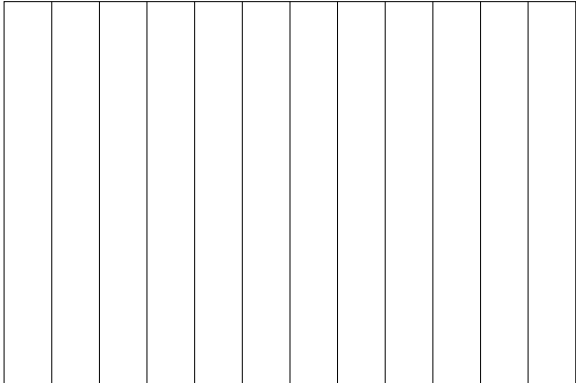
Round/Ductboard



Dims	Options	Conn's
A=Diameter	Diameter Type=Nominal	C1=GRC_Swage-Fe...
B=Length	Number Of Segments=12	C2=GRC_Swage-Fe...
C=Left Extension	Diameter Adjust=3.000	
D=Right Extension	Half End=No	

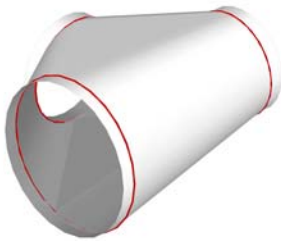
Seams
S1=None

Damper: None
None



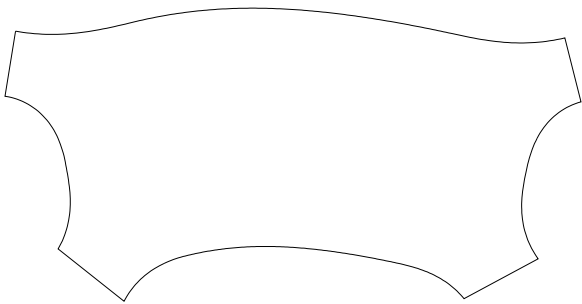
Pattern: 941

Round



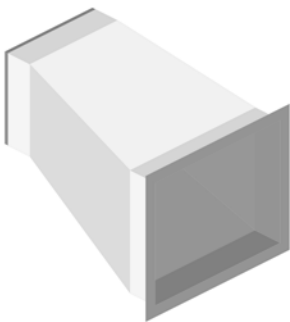
Dims	Options	Conn's
A=Left Diameter	Left Diameter Type=Nominal	C1=GRC_Swage-Male
B=Right Diameter	Right Diameter Type=Nominal	C2=GRC_Swage-Male
C=Pipe Length	Branch Diameter Type=Nominal	C3=GRC_Swage-Male
D=Y-Offset	Marker Notches=No	
E=X-Offset		
F=Left Collar		
G=Right Collar		
H=Branch Diameter		
I=Branch Length		
J=Offset		
K=Collar		
L=Angle		
		<div>Seams</div>
		S1=None

Damper:



Pattern: 942

Rectangular/Ductboard



Dims	Options	Conn's
A=Width In	2 Parts=No	C1=TDC
B=Depth In	3 Parts=No	C2=S&D
C=Width Out	Vee Depth Male=Auto	
D=Depth Out	Vee Depth Female=Auto	
E=Length	Vee Notch Angle=20.000	
F=Extension In	Taper Notch If Straight Edge (Female)=No	
G=Extension Out	Female Allow=Shortest Slope	
H=Offset Width	2-Sided Part Allowance=Auto	
I=Offset Depth	Estimated Width Out %age=Not Used	
J=Angle	Estimated Depth Out %age=Not Used	
		<div>Seams</div>
		S1=None

Damper:

Input=Length

Vee Notch Depth If Straight Edge (Female)...

Maximum Angle=180.000

Splitter Turnover=0.000

Splitter Extension=0.000

Splitter Adjust=0.000

Connector Fold Notch=Use Default

Vee Notch Depth=Auto

Vee Notch Angle=30.000

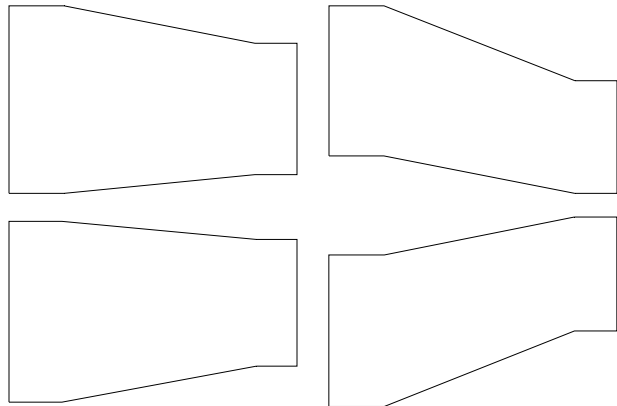
Splitter Hole Diameter=0.000

Number Of Holes=0.000

Splitters=Half

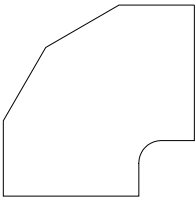
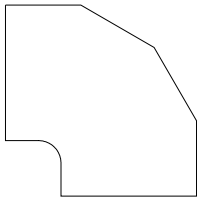
Hole Inset=0.000

Fixing Holes on Turnover=No



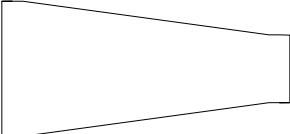
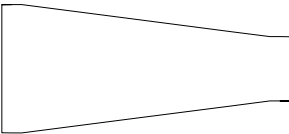
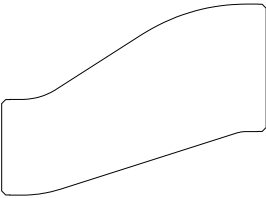
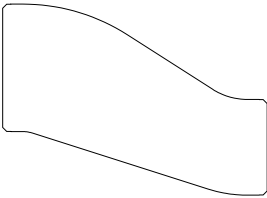
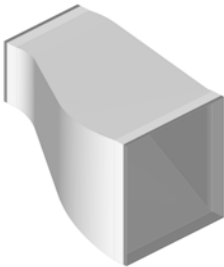
Pattern: 943

Rectangular/Ductboard



Pattern: 944

Rectangular/Ductboard



Dims	Options	Conn's
A=Top Width	Throat Type=Radius	C1=TDC
B=Depth	Length Adjust For Part 4=0.000	C2=TDC
C=Angle	Length Adjust For Part 3=0.000	
D=Top Inner Extension	Vee Depth Male=Auto	
E=Bottom Extension	Vee Depth Female=Auto	
F=Inner Radius	Vee Angle Male=30	
	Vee Angle Female=30	
	Auto Oversize=Normal	
	Seam Number For Throat=	
	Leg Lengths=No	
	Allow Central Tie Rods=Yes	
	Riser Bend=No	
	Mark Splitter Sides=No	
	Insulation Parts=Same	
	Outer Mitre=300.000	

Seams
S1=None

Damper:

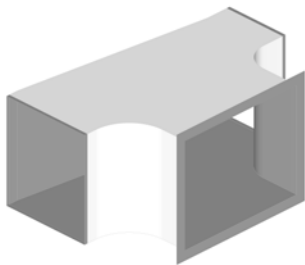
Dims	Options	Conn's
A=Width In	Vee Depth Male=Auto	C1=S&D
B=Depth In	Vee Depth Female=Auto	C2=S&D
C=Width Out	Vee Angle Male=30	
D=Depth Out	Vee Angle Female=30	
E=Length	Offset Width=Left In	
F=Extension In	Offset Depth=Top Down	
G=Extension Out	Restricted Flow=Warning	
H=Offset Width	Seam Cut Back=0.000	
I=Offset Depth	Allow Central Tie Rods=No	
J=Left Radius	Wraps V Notch If Zero Radius=No	
K=Right Radius	New 3D And Develops=No	
	Separate Extension In=No	

Seams
S1=None

Damper:

Pattern: 945

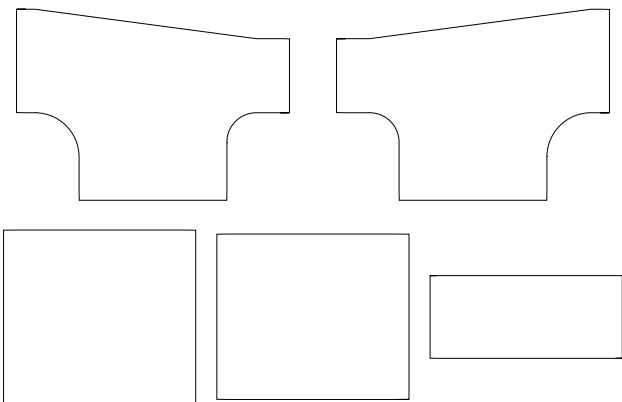
Rectangular/Ductboard



Dims	Options	Conn's
A=Btm Width	Throat Type=Radius	C1=TDC
B=Depth	Vee Depth Male=Auto	C2=S&D
C=Left Width	Vee Depth Female=Auto	C3=S&D
D=Right Width	Vee Notch Angle=30.000	
E=Right Radius	Estimated Width Out %age=Not Used	
F=Left Radius	Hole Diameter=0.500	
G=Btm Right Extension	Hole Spacing=2.000	
H=Btm Left Extension	Splitters=No	
I=Right Extension	Inlet=1	
J=Left Extension	Outlet=2	
K=Splitter Distance	Insulation Parts=Same	
L=Left Width		
M=Right Width		

Seams

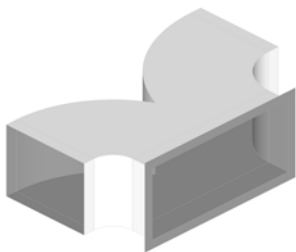
S1=None



Damper:

Pattern: 946

Rectangular/Ductboard

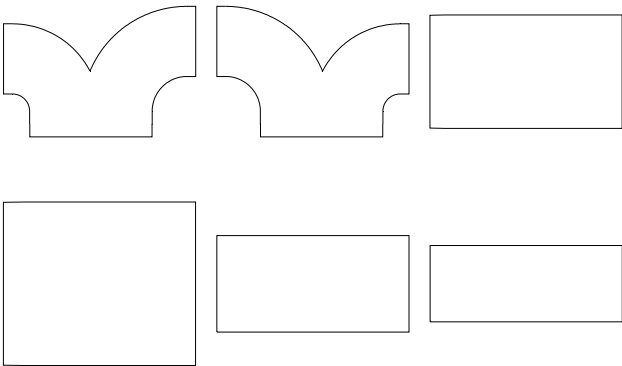


Dims	Options	Conn's
A=Btm Width	Right Throat Type=Radius	C1=TDC
B=Depth	Left Throat Type=Radius	C2=None
C=Right Width	Right Heel Type=Radius	C3=None
D=Left Width	Left Heel Type=Radius	
E=Height	2 Part Wrapper=No	
F=Right Radius	Outlet=2	
G=Left Radius	Insulation Parts=Same	
H=Right Angle		
I=Left Angle		
J=Btm Right Extension		
K=Btm Left Extension		
L=Right Extension		
M=Left Extension		
N=Top Extension		

Seams

S1=None

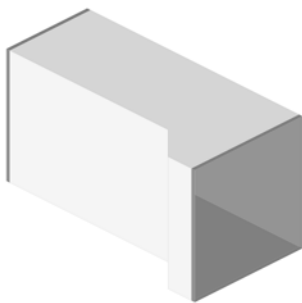
S2=None



Damper:

Pattern: 947

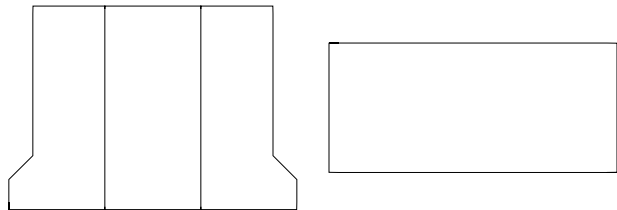
Rectangular/Ductboard



Dims	Options	Conn's
A=Top Width	Branch Parts=Auto	C1=S&D
B=Depth		C2=S&D
C=Height		
D=Btm Width		
E=Bottom Extension		

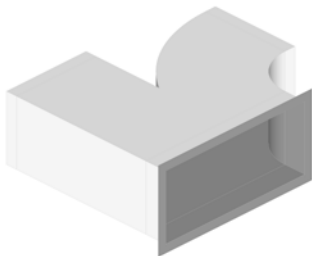
Seams

Damper:



Pattern: 950

Rectangular/Ductboard

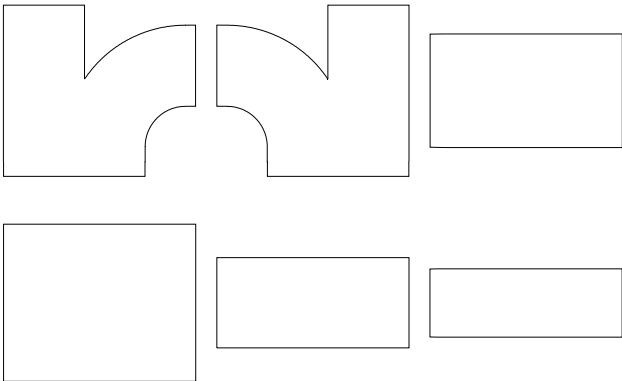


Dims	Options	Conn's
A=Btm Width	Right Throat Type=Radius	C1=TDC
B=Depth	Right Heel Type=Radius	C2=None
C=Top Width	Junction Notch=Use Vee Notch	C3=None
D=Right Width	2 Part Wrapper=No	
E=Height	Top Right=Straight	
F=Right Height	Outlet=2	
G=Right Radius	Insulation Parts=Same	
H=Right Angle		
I=Bottom Extension		
J=Right Extension		
K=Top Extension		

Seams

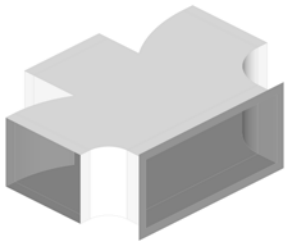
S1=None
S2=None

Damper:



Pattern: 951

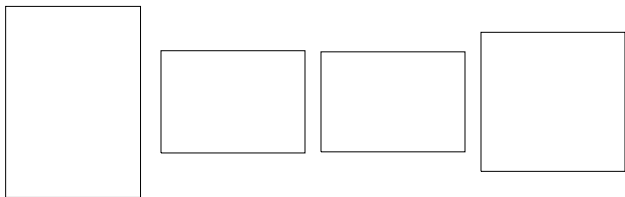
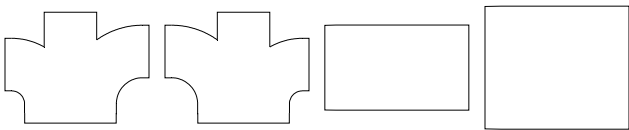
Rectangular/Ductboard



Dims	Options	Conn's
A=Btm Width	Right Throat Type=Radius	C1=TDC
B=Depth	Left Throat Type=Radius	C2=None
C=Top Width	Right Heel Type=Radius	C3=None
D=Right Width	Left Heel Type=Radius	C4=None
E=Left Width	Junction Notch=Use Vee Notch	
F=Height	Vee Notch Angle=0.000	
G=Right Height	2 Part Wrapper=No	
H=Left Height	Top Right=Straight	
I=Right Radius	Top Left=Straight	
J=Left Radius	Outlet=2	
K=Right Angle	Insulation Parts=Same	
L=Left Angle		
M=Btm Right Extension		
N=Btm Left Extension		
O=Right Extension		
P=Left Extension		
Q=Top Extension		

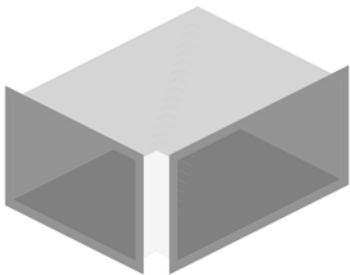
Seams
S1=None
S2=None

Damper:



Pattern: 952

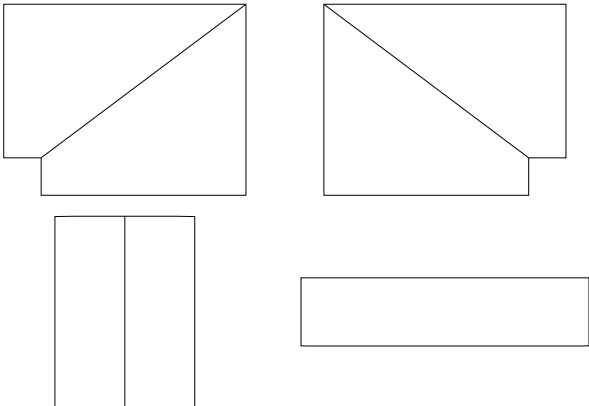
Rectangular/Ductboard



Dims	Options	Conn's
A=Top Width	Length Adjust For Part 4=0.000	C1=TDC
B=Depth	Length Adjust For Part 3=0.000	C2=TDC
C=Btm Width	Vee Depth Male=Auto	
D=Angle	Vee Depth Female=Auto	
E=Top Inner Extension	Vee Angle Male=30	
F=Bottom Extension	Vee Angle Female=30	
	3 Parts=No	
	Seam Number For Throat=	
	2 Part Wrapper=No	
	Leg Lengths=No	
	Allow Central Tie Rods=Yes	
	Riser Bend=No	
	Mark Splitter Sides=No	
	Insulation Parts=Same	
	Draw Custom Insulation=No	

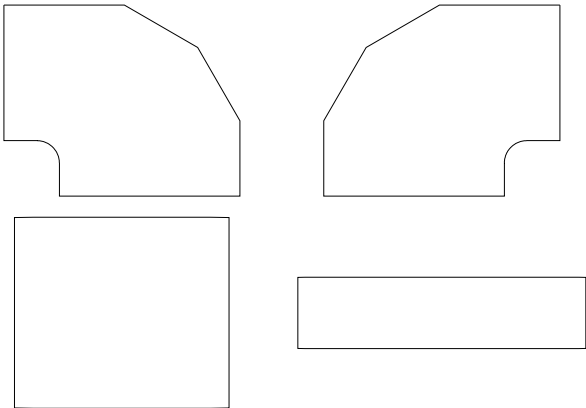
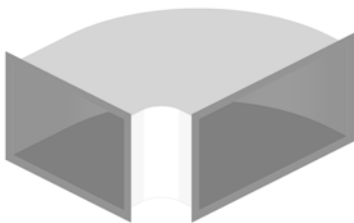
Seams
S1=None

Damper:



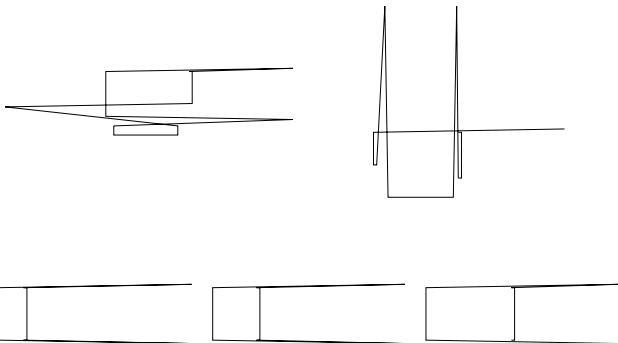
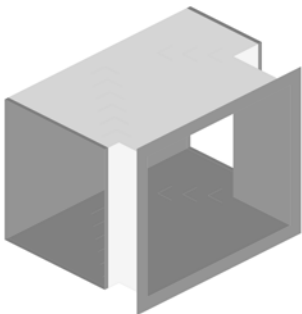
Pattern: 953

Rectangular/Ductboard



Pattern: 954

Rectangular/Ductboard



Dims	Options	Conn's
A=Top Width	Throat Type=Radius	C1=TDC
B=Depth	Length Adjust For Part 4=0.000	C2=TDC
C=Btm Width	Length Adjust For Part 3=0.000	
D=Angle	Vee Depth Male=Auto	
E=Top Inner Extension	Vee Depth Female=Auto	
F=Bottom Extension	Vee Angle Male=30	
G=Inner Radius	Vee Angle Female=30	
	Auto Oversize=Normal	
	Seam Number For Throat=	
	Leg Lengths=No	
	Allow Central Tie Rods=Yes	
	Riser Bend=No	
	Mark Splitter Sides=No	
	Insulation Parts=Same	
	Outer Mitre=300.000	

Seams
S1=None

Damper:

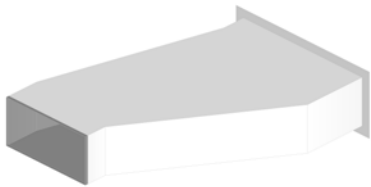
Dims	Options	Conn's
A=Btm Width	3 Parts=No	C1=TDC
B=Depth	Vee Depth Male=Auto	C2=S&D
C=Left Width	Vee Depth Female=Auto	C3=S&D
D=Right Width	Vee Notch Angle=30.000	
E=Bottom Extension	Estimated Width Out %age=Not Used	
F=Right Extension	Hole Diameter=0.500	
G=Left Extension	Hole Spacing=2.000	
H=Splitter Distance	Splitters=No	
I=Left Width	Inlet=1	
J=Right Width	Outlet=2	
	Insulation Parts=Same	

Seams
S1=PIITS-S

Damper:

Pattern: 955

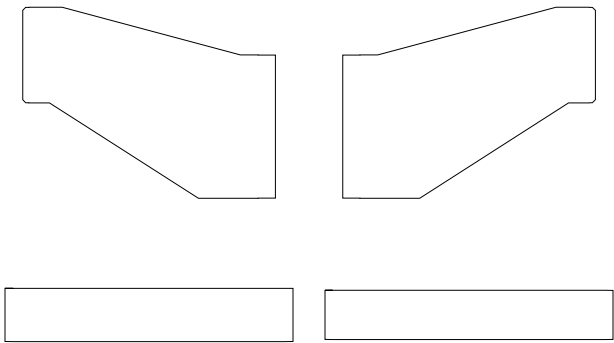
Rectangular/Ductboard



Dims	Options	Conn's
A=Left Width	Estimated Width Out %age=Not Used	C1=S&D
B=Depth	Seam Cut Back=0.000	C2=TDC
C=Right Width	Allow Central Tie Rods=No	
D=Length	Insulation Parts=Same	
E=Left Extension	Split Mitre=No	
F=Right Extension		
G=Offset Width		
H=Angle		
I=Left Extension		
J=Right Extension		
K=Right Width		

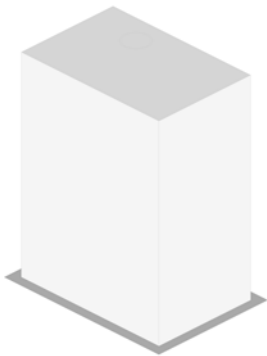
Seams
S1=None

Damper: None
None



Pattern: 956

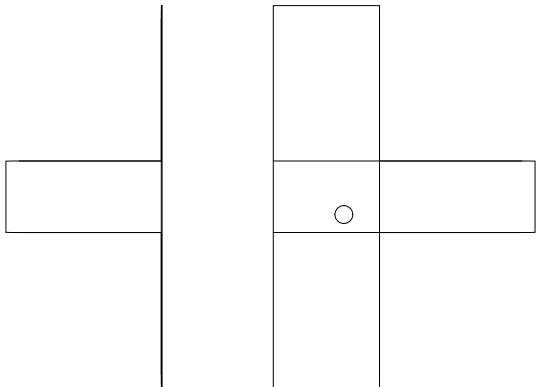
Rectangular/Ductboard



Dims	Options	Conn's
A=Width	Collar Allowance=0.000	C1=TDC
B=Depth	Diameter Type=Nominal	C2=GRC_Swage-Male
C=Length	Hole Adjust=0.000	
D=Hole Width #1	Position From=Centre	
E=Hole Depth #1	Use Vee Notch=No	
F=Hole Radius #1	Vee Notch Angle=0.000	
G=Hole Inset #1	Collar Allowance=0.000	
H=Hole Offset #1	Collar Allowance=0.000	
I=Hole Collar #1	Collar Allowance=0.000	
J=Hole Axis Rotn #1	Collar Allowance=0.000	
	Collar Allowance=0.000	

Seams
S1=None
S2=None

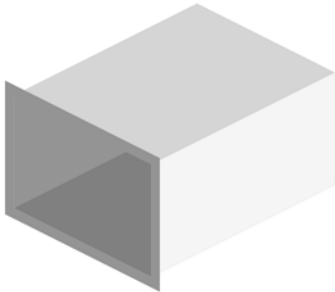
Damper: None



Pattern: 957

Rectangular/Ductboard

Dims		Options	Conn's
A=Width	B=Depth	Type=1 Part Straight	C1=TDC
C=Length			



Seams

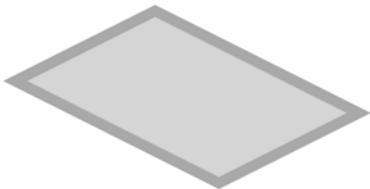
Damper:



Pattern: 958

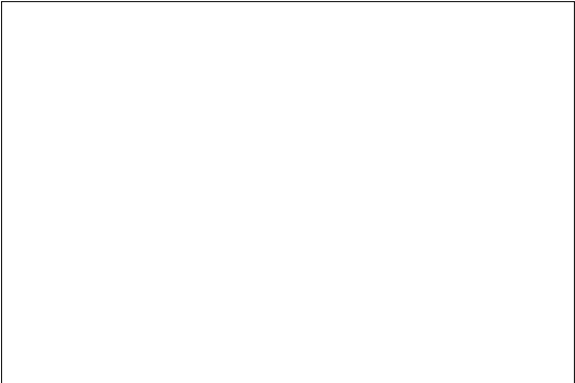
Rectangular/Ductboard

Dims		Options	Conn's
A=Width	B=Depth		C1=TDC
			C2=None



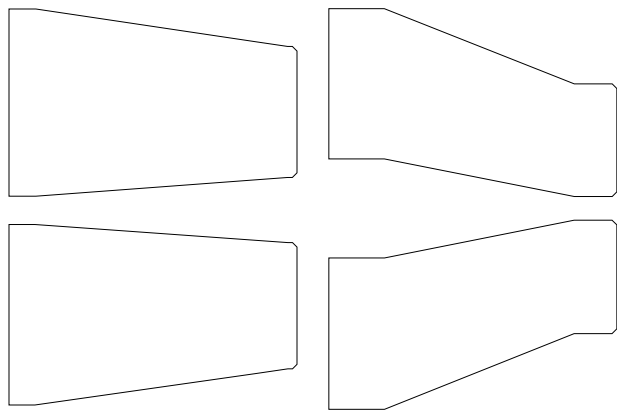
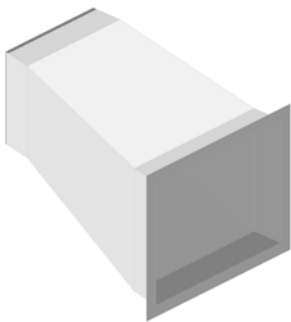
Seams

Damper:



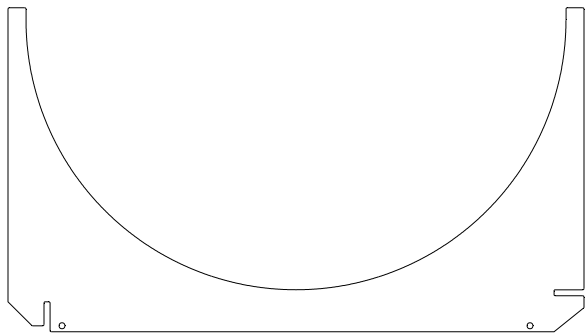
Pattern: 959

Rectangular



Pattern: 960

Standard



Dims	Options	Conn's
A=Width In	2 Parts=No	C1=TDC
B=Depth In	3 Parts=No	C2=S&D
C=Width Out	Vee Depth Male=Auto	
D=Depth Out	Vee Depth Female=Auto	
E=Length	Vee Notch Angle=20.000	
F=Extension In	Taper Notch If Straight Edge (Female)=No	
G=Extension Out	Female Allow=Shortest Slope	
H=Offset Width	2-Sided Part Allowance=Auto	
I=Offset Depth	Estimated Width Out %age=Not Used	
J=Angle	Estimated Depth Out %age=Not Used	
	Offset Width=Left In	
	Offset Depth=Bottom Up	Seams
	Taper Notch If Straight Edge (Male)=No	S1=None
	Use Taper Notch For 2 Parts=Yes	
	Connector Fold Notch=Use Default	
	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
	Input=Length	Damper:
	Vee Notch Depth If Straight Edge (Female)...	
	Maximum Angle=180.000	
	Splitter Turnover=0.000	
	Splitter Extension=0.000	
	Splitter Adjust=0.000	
	Connector Fold Notch=Use Default	
	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
	Splitter Hole Diameter=0.000	
	Number Of Holes=0.000	
	Splitters=Half	
	Hole Inset=0.000	
	Fixing Holes on Turnover=No	

Dims	Options	Conn's
A=R	Number Of Holes=2	
B=R1		
C=D		
D=X1		
E=X2		
F=X3		
G=X4		
H=X5		
I=Y1		
J=Y2		
K=Y3		
L=Y4		
M=Slot Length		
N=Slot Width		

Seams

Damper:

Pattern: 961

Standard



Dims	Options	Conn's
A=A	Chamfer=No	
B=B	Number Of Holes=2	
C=R		
D=X1		
E=X2		
F=X4		
G=Y1		
H=Y3		
I=Y4		
J=D		
K=R2		
L=R3		
M=Hole Offset		
N=Hole Inset		

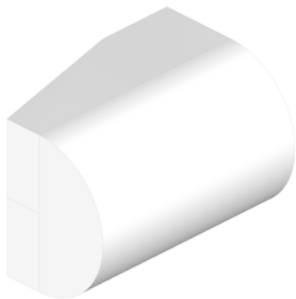
Seams

Damper:



Pattern: 962

Rectangular/Round

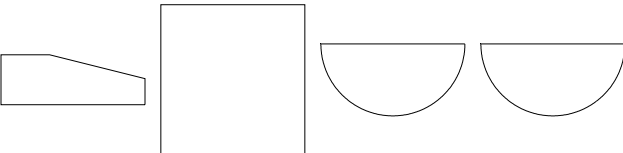
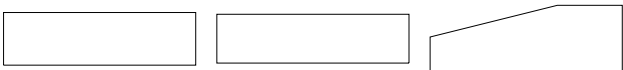


Dims	Options	Conn's
A=Diameter	Vee Depth Male=0.000	C1=S&D
B=Left Height	Vee Angle Male=30.000	
C=Right Height	Vee Depth Female=0.000	
D=Length	Vee Angle Female=30.000	
E=Right Length	Notch Out=No	
	Use Ends Seam 3=No	
	Split Radius=No	
	Close Middle=No	

Seams

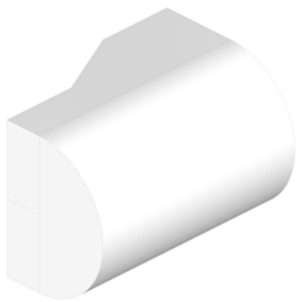
S1=PIITS-S
S2=PIITS-S
S3=PIITS-S

Damper:



Pattern: 963

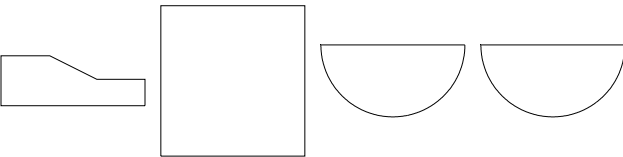
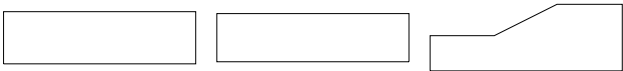
Rectangular/Round



Dims	Options	Conn's
A=Diameter	Vee Depth Male=0.000	C1=S&D
B=Left Height	Vee Angle Male=30.000	
C=Right Height	Vee Depth Female=0.000	
D=Length	Vee Angle Female=30.000	
E=Left Length	Notch Out=No	
F=Right Length	Use Ends Seam 3=No	
	Split Radius=No	
	Close Middle=No	

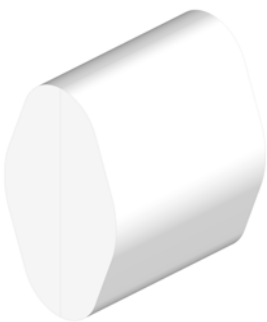
Seams
S1=PIITS-S
S2=PIITS-S
S3=PIITS-S

Damper:



Pattern: 964

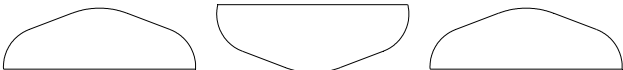
Rectangular/Round



Dims	Options	Conn's
A=Width	Vee Depth Male=0.000	C1=S&D
B=Depth	Vee Angle Male=30.000	
C=Length	Vee Depth Female=0.000	
D=Left Radius	Vee Angle Female=30.000	
E=Top Radius	Notch Out=No	

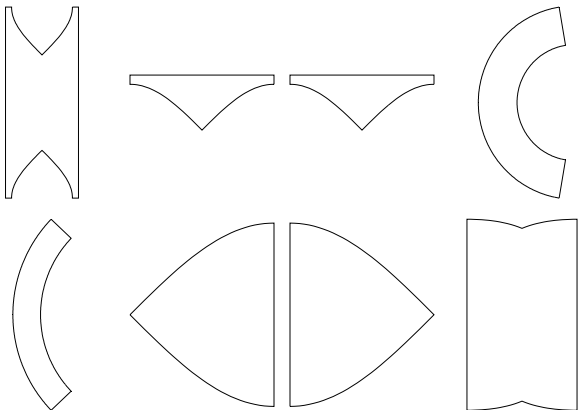
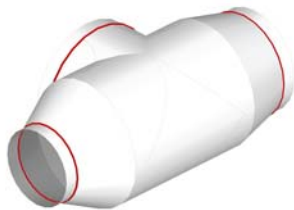
Seams
S1=PIITS-S
S2=PIITS-S

Damper:



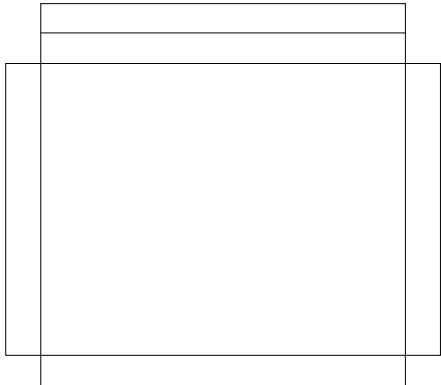
Pattern: 965

Round



Pattern: 966

Rectangular/Standard



Dims	Options	Conn's
A=Top Diameter	Pipe Parts=2	C1=GRC_Swage-Male
B=Top Extension	Branch Parts=2	C2=GRC_Swage-Male
C=Left Diameter	First Break=0.000	C3=GRC_Swage-Male
D=Left Length	Second Break=0.000	C4=GRC_Swage-Male
E=Left Offset	Third Break=0.000	C5=GRC_Swage-Male
F=Left Inset	Top Diameter Type=Nominal	
G=Left Extension	Left Diameter Type=Nominal	
H=Right Diameter	Right Diameter Type=Nominal	
I=Right Length	Hole Adjust=0.000	
J=Right Offset	Branch Allowance To Pipe=0.000	
K=Right Inset	Branch Seam Position=0.000	
L=Right Extension	Throat Cut Back (Degrees)=0.000	
M=Left Collar	Cut Back Allowance (%)=0.000	
N=Right Collar	Inlet=1	
	Outlet=2	
	End Castle Width =0.000	
	End Castle Angle=30.000	
	Reducer Parts=2	
	Splitter Adjust=0.000	
	Splitters=Auto	
	Lengths Include Extensions=No	
	Splitters=4	
	Splitter Radius=Auto	

Seams
S1=None
S2=None
S3=None

Damper:

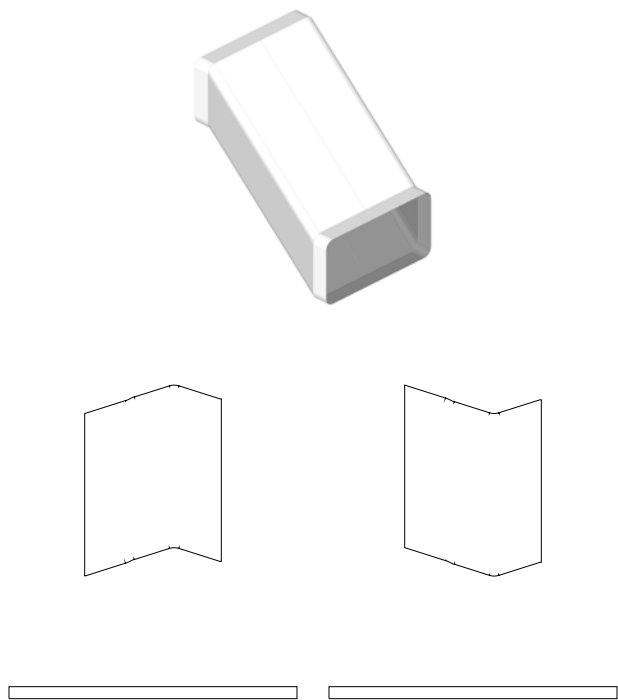
Dims	Options	Conn's
A=Width	Top Folds=2	C1=None
B=Depth	Bottom Folds=1	
C=Top Extension #1	Left Folds=1	
D=Top Fold Angle #1	Right Folds=1	
E=Top Extension #2	Attach=	
F=Top Fold Angle #2	Attacher Side=Top	
G=Bottom Extension #1	Attacher Extension=1	
H=Bottom Fold Angle #1	Mirror Left/Top=Auto	
I=Left Extension #1	Rotate Left/Top=Auto	
J=Left Fold Angle #1	Mirror Right/Bottom=Auto	
K=Right Extension #1	Rotate Right/Bottom=Auto	
L=Right Fold Angle #1	Notch Corners=No	
M=Attach #1		
N=Attach #2		
O=Attach #3		
P=Top Inset		
Q=Bend Radius		

Seams

Damper:

Pattern: 967

Flat Oval



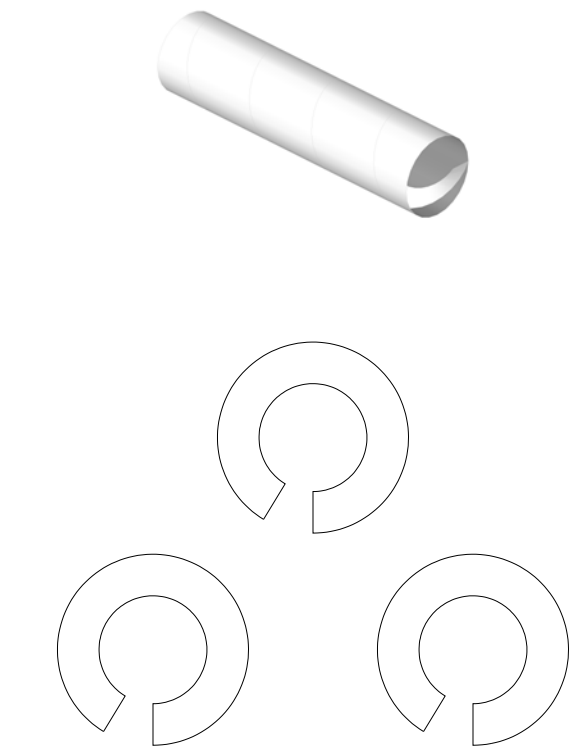
Dims	Options	Conn's
A=Left Width	Cross Break=2	C1=SE Oval
B=Left Depth	Diameter Type BE=Nominal	C2=SE Oval
C=Right Width	Diameter Type SE=Nominal	
D=Right Depth	Same Seams On Each Part=No	
E=Length	Seam Position=Major Axis	
F=Offset Width		
G=Offset Depth		
H=Left Collar		
I=Right Collar		
J=Corner Radius		

Seams
S1=1/2 Lap (F)

Damper:

Pattern: 968

Round



Dims	Options	Conn's
A=Diameter	Clockwise=Yes	C1=GRC_Swage-Male
B=Inner Diameter		C2=GRC_Swage-Male
C=Y Pitch		C3=GRC_Swage-Male
D=Height		

Seams
S1=None

Damper:

Pattern: 969

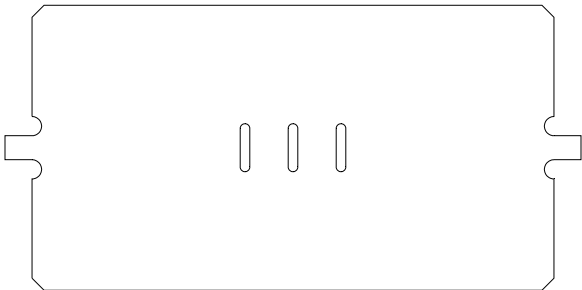
Standard



Dims	Options	Conn's
A=Width	Add Allowance To Body=Yes	C1=None
B=Depth		
C=Notch Diameter		
D=Insulation		
E=Duct Adjust		
F=Maximum Width		
G=Corner		
H=Centre		
I=Slot Width		
J=Slot Length		
K=Slot Spacing		

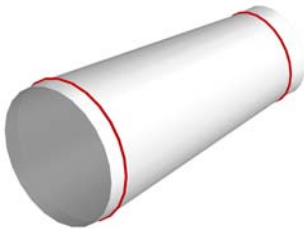
Seams

Damper:



Pattern: 970

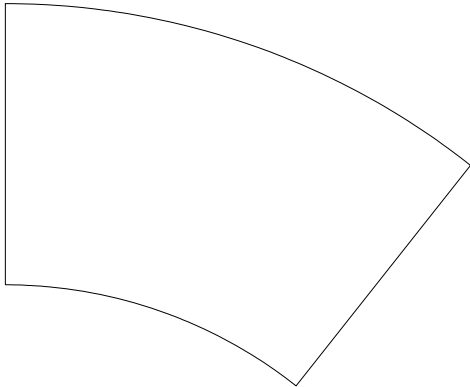
Round



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=GRC_Swage-Male
B=Pipe Diameter	Seam Position=0.000	C2=GRC_Swage-Male
C=Pipe Length	Hole Adjust=0.000	
D=Left Extension	Diameter Type=Nominal	
E=Right Extension	Length Includes Extensions=No	
F=Offset Width	Correct Branch Inset/Length For Angle=No	
G=Offset Depth		

Seams
S1=None

Damper:



Pattern: 971

Rectangular



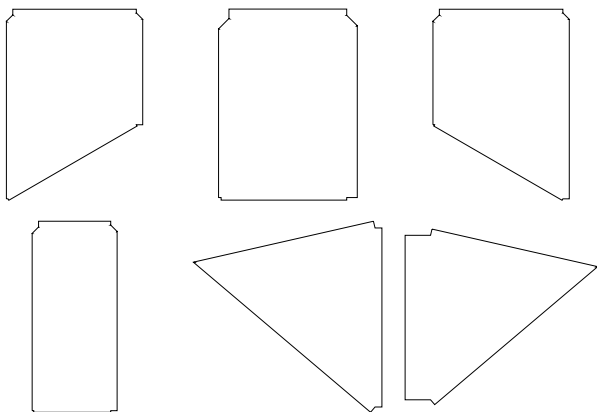
Dims		Options	Conn's
A=Width		Height=Up Slope	
B=Height		Notch=Vee Notch	
C=Depth		Input=Slope Angle	
D=Slope Angle			
E=Rise X On 12			
F=Up Slope Flange			
G=Down Slope Flange			
H=Left Flange			
I=Right Flange			
J=Cant Angle			
K=Cant Height			
L=Cant Depth			
M=Top Flange Down			
N=Top Flange In			

Seams

S1=PITTS-S

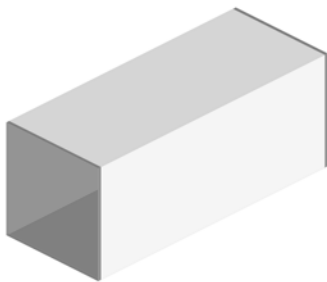
S2=PITTS-S

Damper:



Pattern: 972

Rectangular/Standard

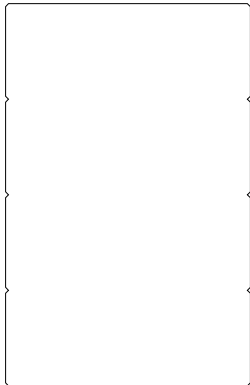


Dims		Options	Conn's
A=Width	B=Depth	Straight Type=1 Part Straight	C1=S&D
C=Length		Female Allow=Shortest Side	C2=S&D
		1xU,1xI=Shortest Side	C3=None
		Connector Fold Notch=Use Default	C4=None
		Vee Notch Depth=Auto	C5=None
		Vee Notch Angle=30.000	C6=None
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Beading=No	
		Vertical=No	
		Adjust=0.000	
		Right Offset=6.000	
		Left Offset=6.000	
		Insulation Parts=Same	
		Insulation UI=Shortest Side	

Seams

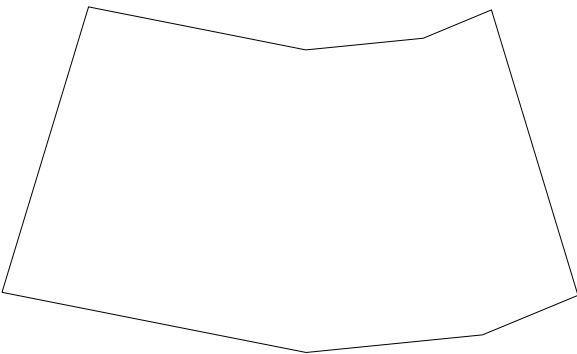
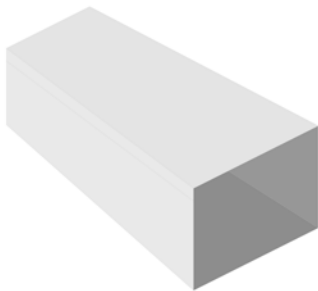
S1=None

Damper:



Pattern: 973

Rectangular



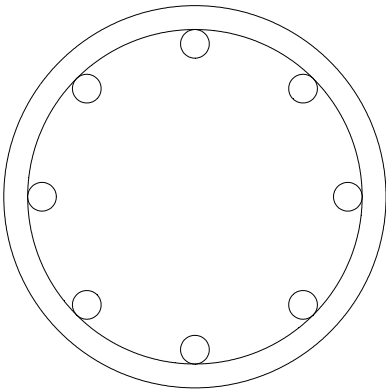
Dims	Options	Conn's
A=Width In	Type=Auto	C1=None
B=Depth In	Offset Width=Left In	C2=None
C=Width Out	Offset Depth=Bottom Up	
D=Depth Out	Vee Notch Depth=Auto	
E=Length	Vee Notch Angle=30.000	
F=Offset Width	Input=Length	
G=Offset Depth	Maximum Angle=180.000	
H=Angle	Splitters=Half	
I=Seam Inset	Splitter Turnover=0.000	
	Splitter Extension=0.000	
	Splitter Adjust=0.000	
	Splitter Hole Diameter=0.000	
	Number Of Holes=0.000	
	Hole Inset=0.000	
	Fixing Holes on Turnover=No	
	Seam Cut Back=0.000	

Seams
S1=None

Damper:

Pattern: 974

Standard



Dims	Options	Conn's
A=Outside Diameter	Parts=1	
B=Inside Diameter	Clip Holes=No	
C=Hole Diameter		
D=Number Of Holes		
E=Stitch Gap		

Seams
S1=None

Damper:

Pattern: 976

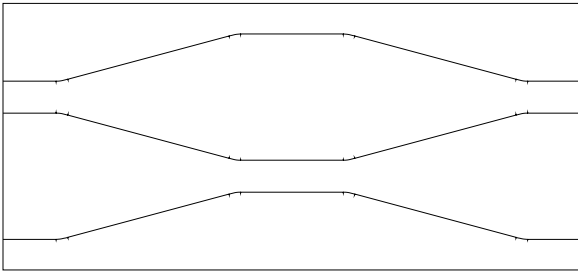
Flat Oval



Dims	Options	Conn's
A=Width	Number Of Segments=4	C1=SE Oval
B=Depth	Diameter Type=Nominal	C2=SE Oval
C=Inner Radius	Seam Position=Throat	C3=SE Oval
D=Angle	Single Segments=No	
E=Bottom Extension	Nest Break Start Segment=0	
F=Top Extension	Nest Break End Segment=0	
G=Corner Radius	Cross Break=1	
	Notch Angle For Seam=0	
	Leg Lengths=No	
	Length Includes Extensions=No	
	Splitters=0	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Splitter Shape=Angled	
	Splitter Type=Partial	

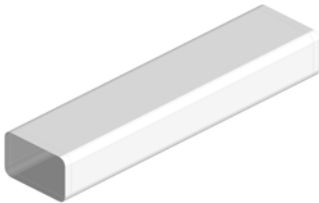
Seams
S1=1/2 Lap (F)
S2=1/2 Lap (F)

Damper:



Pattern: 977

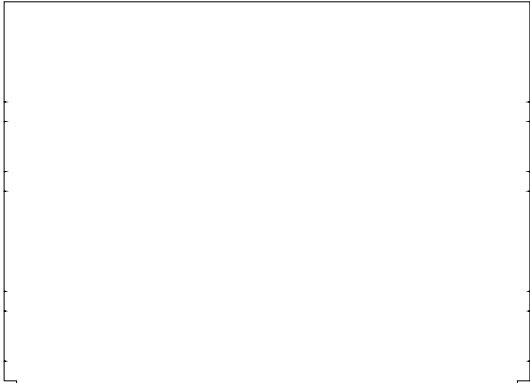
Flat Oval



Dims	Options	Conn's
A=Width	Pipe Parts=1	C1=Raw
B=Depth	Seam Position=Corner	C2=Raw
C=Length	Diameter Type=Nominal	
D=Left Extension	Duct Length=(inch)	
E=Right Extension		
F=Corner Radius		

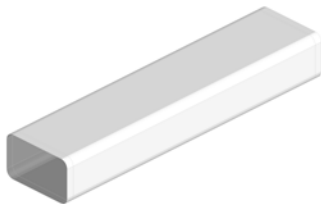
Seams
S1=1/2 Lap (F)

Damper:



Pattern: 978

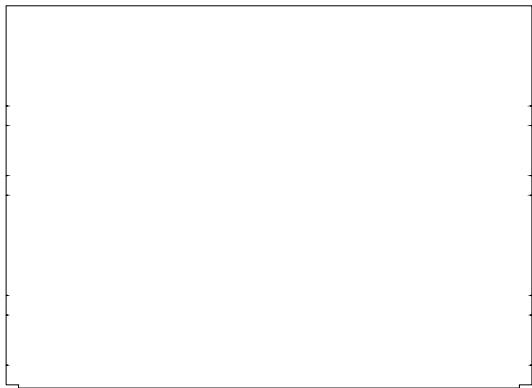
Flat Oval



Dims	Options	Conn's
A=Width	Pipe Parts=1	C1=Raw
B=Depth	Seam Position=Corner	C2=Raw
C=Length	Diameter Type=Nominal	
D=Left Extension	Duct Length=(inch)	
E=Right Extension		
F=Corner Radius		

Seams
S1=1/2 Lap (F)

Damper:



Pattern: 979

Electrical



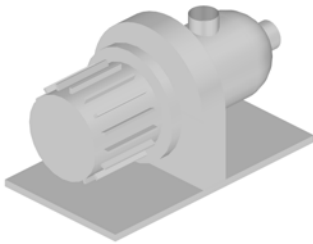
Dims	Options	Conn's
A=Width	Type=Left	C1=None
B=Depth	Pattern=None	C2=None
C=Left Extension	Insulation Parts=Same	
D=Right Extension	Inlet=1	
E=Offset Width	Outlet=2	
F=Wire Y Spacing		
G=Wire X Spacing		

Seams

Damper:

Pattern: 980

Pipework



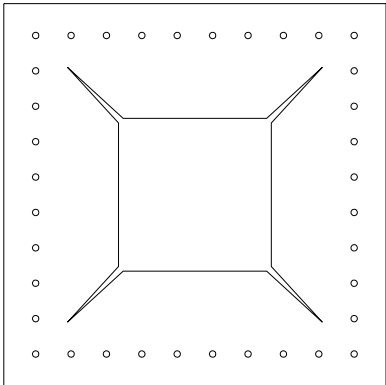
Dims	Options	Conn's
A=Body Diameter #1	Body Horizontal=Yes	C1=None
B=Body Diameter #2	End Mitred=No	C2=None
C=Body Length	Front Pipe=Yes	C3=None
D=End Length	Centre Support=Circle	
E=Pipe Diameter #1	Square Motor=No	
F=Pipe Length #1	Pipe 1 Flange=No	
G=Pipe Inset #1	Pipe 2 Flange=No	
H=Pipe Diameter #2	Motor Flange=Yes	
I=Pipe Length #2	Number Of Fins=16.000	
J=Shaft Diameter	Fins Shape=Square	
K=Shaft Length	Flat Base=No	
L=Support Diameter	Electric Box=No	Seams
M=Support Length	Fins Flat=No	
N=Support Extension		
O=Motor Diameter		
P=Motor Length		
Q=Motor Flange Diameter		
R=Motor Flange Length		Damper:
S=Fin Height		
T=Base Width		
U=Base Height		
V=Base Depth		

Pattern: 981

Rectangular



Dims	Options	Conn's
A=Width #1	Vee Notch Angle=5.000	C1=S&D
B=Depth #1	Specify Holes=By Number Of	C2=S&D
C=Width #2	Holes Across=10	
D=Depth #2	Holes Down=10	
E=Flange Length	Holes Positioning=On Centre	
F=Flange Angle		
G=Hole Diameter		
H=Holes Inset		
I=Holes Offset		

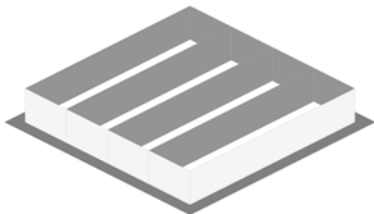


Seams

Damper:

Pattern: 983

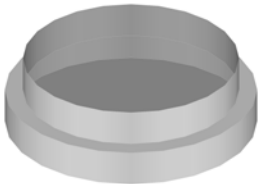
Rectangular



Dims	Options	Conn's
A=Width	Type=Supply	C1=TDC
B=Depth	Position From=Edge	C2=Spiral Raw
C=Height	Lines=3	
D=Plate Border (Width)	Rotation=0.000	
E=Plate Border (Depth)	Arrows/Lines=None	
	Arrows/Lines Sides=0	
	Lines/Circles Spacing=1.000	
	Arrows Direction=Auto	
	Circles=No	
	Arrows Type=1	
	Shape=Rectangular	
	Diffuser Type=None	Seams
	Number of Blades=20	
	Blade Shape=Curved	
	Grid Lines=20	
	Connector 4=Left	
	Connector 5=Left	
	Connector 6=Left	Damper:
	Connector 7=Left	
	Sides Angled=No	
	Connector 8=None	

Pattern: 984

Electrical



Dims	Options	Conn's
A=Diameter	Sex Type=Male	C1=None
B=Collar		C2=None
C=Length		
D=Offset		
E=Oval Depth		
		Seams
		S1=None
		Damper:

Pattern: 985

Standard/Structure



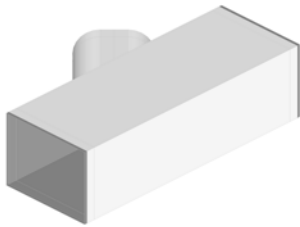
Dims	Options	Conn's
A=Total Length	Strut Shape=Rectangular	C1=None
B=Beam Length #1	Number Of V-Sections=2	C2=None
C=Beam Length #2	Up Struts=No	C3=None
D=Beam Width	Down Struts=No	C4=None
E=Upper Inset	Joint Position=Centre	
F=Lower Inset	Strut Information=Yes	
G=Beam Height	Input=Beam Lengths	
H=Strut Height		
I=Strut Width		
J=Strut Depth		
K=Strut Space		
L=Joint Width		
M=Joint Height		
N=Joint Depth		
O=Joint Corner		

Seams

Damper:

Pattern: 986

Rectangular



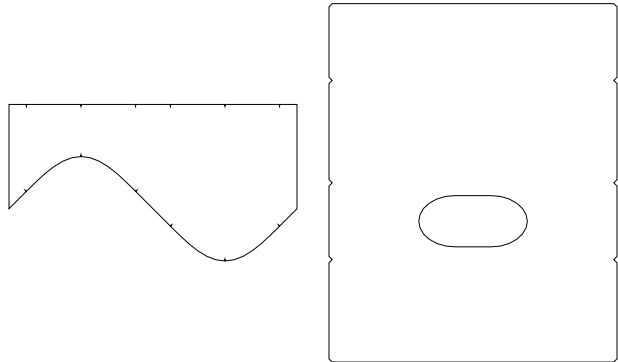
Dims	Options	Conn's
A=Width	Pipe Parts=Yes	C1=S&D
B=Depth	Branch Parts=Yes	C2=S&D
C=Length	Branch Diameter Type=Nominal	C3=SE Oval
D=Left Extension	Straight Type=1 Part Straight	
E=Right Extension	Female Allow=Shortest Side	
F=Branch Width	1xU,1xI=Shortest Side	
G=Branch Depth	Connector Fold Notch=Use Default	
H=Branch Length	Vee Notch Depth=Auto	
I=Angle	Vee Notch Angle=30.000	
J=Inset	Connector Fold Notch=Use Default	
K=Offset	Vee Notch Depth=Auto	
L=Extension	Vee Notch Angle=30.000	
	Beading=No	
	Branch Rotation=0	
	Branch Rotation=90	
	Branch Allowance To Pipe=0.000	

Seams

S1=None

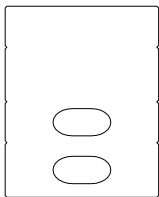
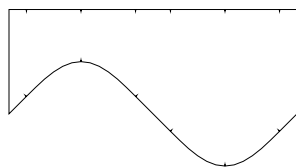
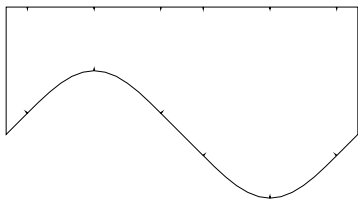
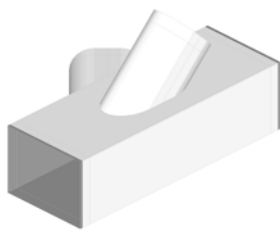
S2=None

Damper: None



Pattern: 987

Rectangular



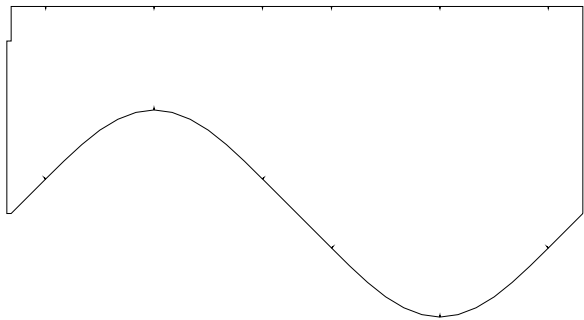
Dims	Options	Conn's
A=Width	Pipe Parts=Yes	C1=S&D
B=Depth	Branch Parts=Yes	C2=S&D
C=Length	Branch Diameter Type=Nominal	C3=SE Oval
D=Left Extension	Straight Type=1 Part Straight	C4=SE Oval
E=Right Extension	Female Allow=Shortest Side	
F=Branch Width	1xU,1xl=Shortest Side	
G=Branch Depth	Connector Fold Notch=Use Default	
H=Branch Length	Vee Notch Depth=Auto	
I=Angle	Vee Notch Angle=30.000	
J=Inset	Connector Fold Notch=Use Default	
K=Offset	Vee Notch Depth=Auto	
L=Extension	Vee Notch Angle=30.000	
M=Branch Width	Beading=No	
N=Branch Depth	Branch Rotation=0	
O=Branch Length	Branch Rotation=90	
P=Angle	Branch Allowance To Pipe=0.000	
Q=Inset		
R=Offset		
S=Extension		

Seams
S1=None
S2=None
S3=None

Damper: None
None

Pattern: 988

Flat Oval



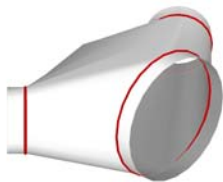
Dims	Options	Conn's
A=Branch Width	Pipe Parts=Yes	C1=SE Oval
B=Branch Depth	Branch Parts=Yes	C2=None
C=Branch Length	Branch Diameter Type=Nominal	
D=Angle	Straight Type=1 Part Straight	
E=Extension	Female Allow=Shortest Side	
	1xU,1xl=Shortest Side	
	Connector Fold Notch=Use Default	
	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
	Connector Fold Notch=Use Default	
	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
	Beading=No	
	Branch Rotation=0	
	Branch Rotation=90	
	Branch Allowance To Pipe=0.000	

Seams
S1=1/2 Lap (F)

Damper: None

Pattern: 989

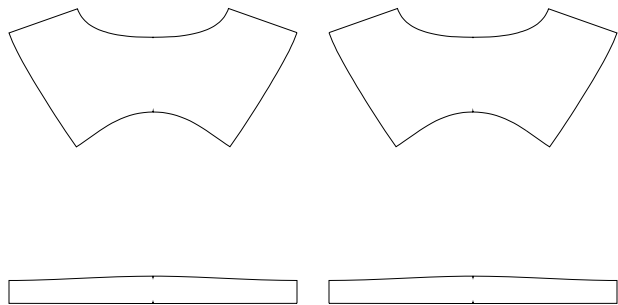
Round



Dims	Options	Conn's
A=Bottom Diameter	Bottom Diameter Type=Nominal	C1=GRC_Swage-Male
B=Left Diameter	Left Diameter Type=Nominal	C2=GRC_Swage-Male
C=Right Diameter	Right Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Angle	Seam Position=Top	C4=GRC_Swage-Male
E=Right Angle	Marker Type=Notch	
F=Left Height		
G=Right Height		
H=Left Offset		
I=Right Offset		
J=Height		
K=Bottom Collar		
L=Left Collar		
M=Right Collar		

Seams

S1=None



Damper:

Pattern: 994

Standard/Equipment

Dims	Options	Conn's
A=Length	Length=Central	C1=None
B=Front Angle	Width Scale=1.000	C2=None
C=Back Angle	Height Scale=1.000	
D=Width	Back Angle Axis=Horizontal	
E=Height	Front Angle Axis=Horizontal	
F=Node X Offset	Edges Angle=30	
G=Node Y Offset	Mirror Shape=No	
H=Number Of Points	Reverse External Faces=No	
	Reverse Internal Faces=No	
	Open Front=No	
	Open Back=No	
	Cut Type=Equipment	
	Reverse Front Faces=No	
	Reverse Back Faces=No	
	Rotate=Yes	
	Develop=Both Cheeks	
	Vee Depth Male=Auto	
	Vee Angle Male=0	
	Develop Ends=Seam 1	
	Centralise Islands=Yes	
	CAD Nodes=Straight	
	Notches In Arcs=No	
	Open Islands=Leave Open	
	Wrap Parts=1	
	Seam Position=0	
	Seam Position=0	
	Seam Position=0	
	Seam Position=0	
	Vee Depth Female=Auto	
	Vee Angle Female=0	

Seams

S1=None

S2=None

Damper:

Pattern: 995

Round/Flat Oval



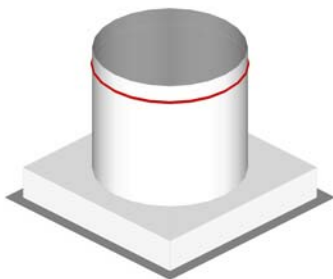
Dims	Options	Conn's
A=Diameter	Sex Type=Male	C1=GRC_Swage-Male
B=Collar		C2=GRC_Swage-Male
C=Length		
D=Offset		
E=Oval Depth		

Seams
S1=1/2 Lap (F)

Damper:

Pattern: 996

Rectangular/Round



Dims	Options	Conn's
A=Width	Type=Supply	C1=TDC
B=Depth	Position From=Edge	C2=GRC_Swage-Male
C=Height	Type=Round	C3=None
D=Diameter	Rotation=0.000	C4=Spiral Raw
E=Collar	Collar=No	C5=Spiral Raw
F=Plate Border (Width)	Arrows/Lines=None	C6=Spiral Raw
G=Plate Border (Depth)	Arrows/Lines Sides=0	C7=Spiral Raw
	Lines/Circles Spacing=1.000	C8=Spiral Raw
	Arrows Direction=Auto	
	Circles=No	
	Arrows Type=1	
	Shape=Rectangular	
	Diffuser Type=None	
	Number of Blades=20	
	Blade Shape=Curved	
	Grid Lines=20	
	Connector 4=Left	
	Connector 5=Left	
	Connector 6=Left	
	Connector 7=Left	
	Sides Angled=No	
	Connector 8=None	
	Cost Supports=No	

Seams

Damper:

Pattern: 999

Free Entry

Dims	Options	Conn's
	Length=0.000	
	Angle=0.000	

Seams

Damper:

Pattern: 1000

Round

Dims	Options	Conn's
A=Diameter		C1=GRC_Swage-Male
B=Inner Diameter		C2=GRC_Swage-Male
C=Y Pitch		
D=Number Of Segments		
E=Quantity		

Seams

Damper:

Pattern: 1049

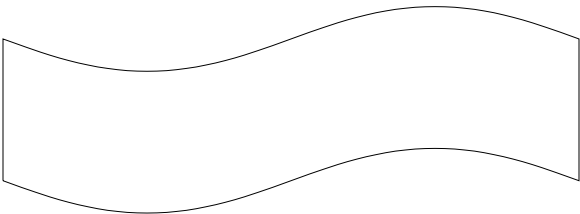
Round



Dims	Options	Conn's
A=Diameter	Cross Break=1	C1=None
B=Length	Seam Position=0.000	C2=None
C=Angle	Vertical=No	
D=Body Diameter	Pipework=No	
	Adjust=0.000	
	Include=Yes	
	Develop X Size For Diameter=No	

Seams
S1=None

Damper:



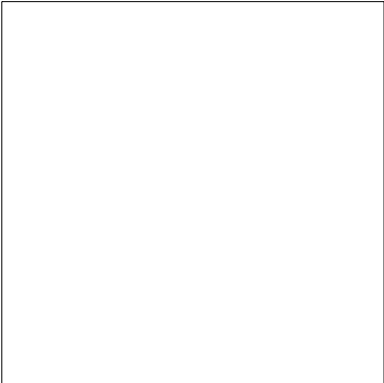
Pattern: 1101

Rectangular/Round/Flat Oval/Standard

Dims	Options	Conn's
	Inlet=1	
	Outlet=1	
	Pipework=No	
	Show Boundaries=No	
	Faces=No	

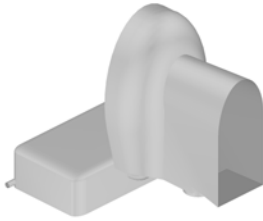
Seams

Damper:



Pattern: 1102

Pipework



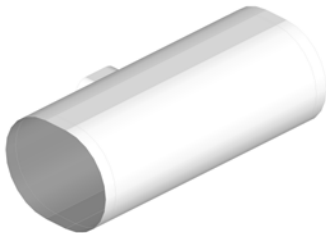
Dims	Options	Conn's
A=Base Depth #1	Input Side=Left	C1=None
B=Base Depth #2	Box Type=Rounded	C2=None
C=Front Width #1	Insertion Point=Box Back Centre	
D=Front Width #2	Output=Back	
E=Front Width #3	Inlet=2	
F=Front Depth #1	Outlet=2	
G=Front Height #1		
H=Front Height #2		
I=Front Height #3		
J=Back Width #1		
K=Back Width #2		
L=Back Width #3		
M=Back Height		
N=Back Space		
O=Front Angle		
P=Back Angle		
Q=Pipe Radius		
R=Pipe Diameter		
S=Pipe Height		
T=Box Width		
U=Box Height		
V=Box Depth		
W=Input Diameter		
X=Input Length		
Y=Input Inset		
Z=Input Offset		
a=Output Diameter		
b=Output Length		
c=Output Height		

Seams

Damper:

Pattern: 1104

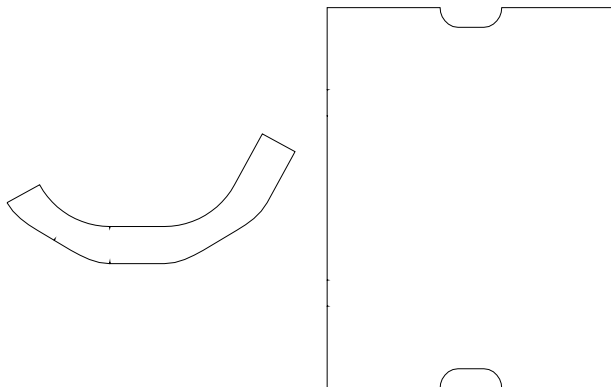
Flat Oval



Dims	Options	Conn's
A=Width	Pipe Parts=1	C1=SE Oval
B=Depth	Pipe Seam Position=Depth	C2=SE Oval
C=Pipe Length	Pipe Diameter Type=Nominal	C3=SE Oval
D=Left Extension	Hole Adjust=0.000	C4=None
E=Right Extension	Branch Allowance To Pipe=0.000	C5=None
F=Branch Width #1	Plate Border=0.000	C6=None
G=Branch Depth #1	Plate Type=Rectangular	
H=Branch Length #1	Branch Only=No	
I=Inset #1	Branch Seam Position=Corner	
J=Offset #1	Number Of Branches=1	
K=Rotation #1	Branch Diameter Type=Nominal	
L=Angle #1	Branch Parts=1	
M=Collar #1	Branch Diameter Type=Nominal	
	Branch Parts=1	
	Branch Diameter Type=Nominal	
	Branch Parts=1	
	Branch Diameter Type=Nominal	
	Branch Parts=1	
	Left Reducer Seam Position=Corner	
	Left Reducer Parts=1	
	Right Reducer Seam Position=Corner	
	Right Reducer Parts=1	
	Inlet=1	
	Outlet=2	

Seams

S1=1/2 Lap (F)
S2=1/2 Lap (F)
S3=None
S4=None
S5=None
Damper:



Pattern: 1105

Rectangular/Standard

Dims	Options	Conn's
Show Elements=All		

Seams

Damper:

Pattern: 1106

Pipework



Dims	Options	Conn's
A=Plynth Width #1	Detail=Low	C1=None
B=Plynth Depth #1	Insertion Point=Bowl Back Centre	C2=None
C=Plynth Width #2	Hot Side=Bottom	C3=None
D=Plynth Depth #2	Cold Side=Bottom	
E=Plynth Height	Output Side=Bottom	
F=Bowl Width	Number Of Taps=2	
G=Bowl Height	Plynth=Yes	
H=Bowl Depth	Soap=No	
I=Hot Diameter #1		
J=Hot Length #1		
K=Hot Offset #1		
L=Hot Inset #1		
M=Cold Diameter #2		
N=Cold Length #2		
O=Cold Offset #2		
P=Cold Inset #2		
Q=Output Diameter #3		
R=Output Length #3		
S=Output Offset #3		
T=Output Inset #3		
U=Tap Diameter		
V=Tap Height		
W=Tap Length		

Seams

Damper:

Pattern: 1107

Structure



Dims	Options	Conn's
A=Width	Orientation=Vertical	C1=S&D
B=Left Height	Grip Point=Outer Wall	C2=S&D
C=Right Height	Grip Point=Lower Centre	C3=None
D=Right Height	Door=Yes	C4=None
E=Length	Frame=Yes	C5=None
F=Left Angle	Windows / Panels=1	C6=None
G=Right Angle	Handle Side=Left	C7=None
	Handle Lock=Yes	
	Ajar=No	
	Cut In Wall=Outer	
	Cut In Height=Centre	
	Connectors=Cavity Centre	
	Origin=Centre	

Seams

Damper:

Pattern: 1108

Round



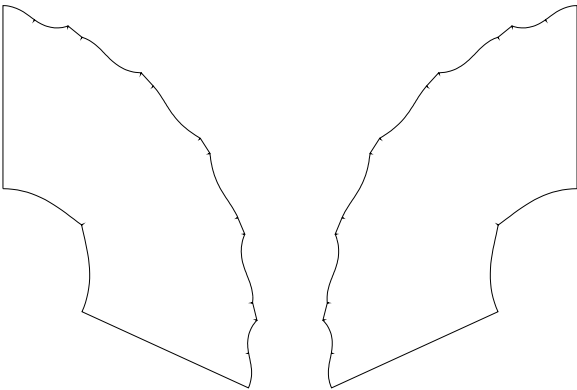
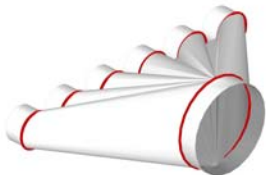
Dims	Options	Conn's
A=Diameter	Bend Radius=4.000	C1=GRC_Swage-Male
B=Length	Factor Type=Multiples Of Diameter	C2=GRC_Swage-Male
C=Lead Length	Max Length=0.000	
	Number Of Round Sections=12	
	Length=Auto	
	Length Adjust=0.000	
	Number Of Segments=Auto	
	Straight Annotation=Up	
	Bend Annotation=Front	
	Allowance=Default	

Seams

Damper:

Pattern: 1109

Round



Dims	Options	Conn's
A=Bottom Diameter	Add Collars To Body=No	C1=GRC_Swage-Male
B=Left Diameter	Flat Left=No	C2=GRC_Swage-Male
C=Right Diameter	Notch Angle For Seam=0.000	C3=GRC_Swage-Male
D=Top Diameter #1	Slope Angle=0.000	C4=GRC_Swage-Male
E=Top Diameter #2	Number Of Branches=6	C5=GRC_Swage-Male
F=Top Diameter #3		C6=GRC_Swage-Male
G=Top Diameter #4		C7=GRC_Swage-Male
H=Height		
I=Spacing		
J=Left Angle #1		
K=Right Angle #6		
L=Bottom Collar		
M=Left Collar		
N=Right Collar		
O=Top Collar #1		
P=Top Collar #2		
Q=Top Collar #3		
R=Top Collar #4		

Seams

S1=None

S2=None

Damper:

Pattern: 1110

Pipework



Dims	Options	Conn's
A=Width #1	Corners=Rounded	C1=None
B=Depth #1	Top Edges=Radius	
C=Length #1	Top Corner Inset=Auto	
D=Left Radius #1	Top Corner Offset=Auto	
E=Right Radius #1	Bottom Corners=Rounded	
F=Top Radius #1	Bottom Edges=Radius	
G=Bottom Radius #1	Bottom Corner Inset=Auto	
H=Front Radius #1	Bottom Corner Offset=Auto	
I=Back Radius #1	Inlet=1	
J=X Rotation #1	Outlet=1	
K=Y Rotation #1	Type=Pipework	
L=Z Rotation #1	Circular Diameter Type=Outside	

Seams

Damper:

Pattern: 1111

Pipework



Dims		Options	Conn's
A=Pipe Diameter		Bolts=Yes	C1=None
B=Thickness		Width=0.787	C2=None
C=Top Diameter #1		Depth=0.079	C3=None
D=Top Length #1		Depth=0.394	C4=None
E=Length #1		Diameter Type=Outside	C5=None
F=Length #2		Fix Relative=No	
		Rotate=No	
		Cross=No	
		Handle=No	

Seams

Damper:

Pattern: 1112

Round



Dims		Options	Conn's
A=Diameter	B=Collar	Sex Type=Male	C1=GRC_Swage-Male
C=Length	D=Offset		C2=GRC_Swage-Male

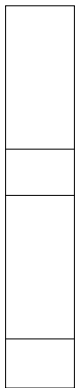
Seams
S1=None

Damper:



Pattern: 1113

Flat Oval



Dims	Options	Conn's
A=Diameter	Sex Type=Male	C1=SE Oval
B=Collar	Marker Notches=No	C2=SE Oval
C=Length		
D=Offset		
E=Oval Depth		

Seams
S1=1/2 Lap (F)

Damper:

Pattern: 1114

Pipework



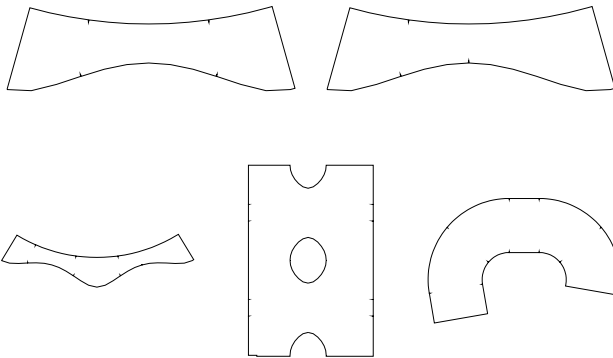
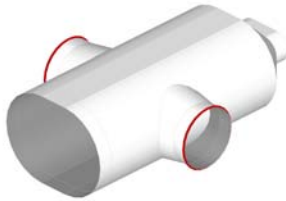
Dims	Options	Conn's
A=Width	Detail=High	C1=None
B=Height	Insertion Point=Centre	C2=None
C=Depth	Input=Back	
D=Input Diameter #1	Output=Bottom	
E=Input Length #1		
F=Input Offset #1		
G=Output Diameter #2		
H=Output Length #2		
I=Output Offset #2		

Seams

Damper:

Pattern: 1115

Flat Oval



Dims	Options	Conn's
A=Major Axis	Pipe Parts=1	C1=SE Oval
B=Minor Axis	Pipe Seam Position=0.000	C2=SE Oval
C=Pipe Length	Pipe Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Extension	Hole Adjust=0.000	C4=GRC_Swage-Male
E=Right Extension	Branch Allowance To Pipe=0.000	C5=SE Oval
F=Branch Width #1	Branch Diameter Type=Nominal	
G=Branch Depth #1	Branch Parts=2	
H=Branch Length #1	Branch Diameter Type=Nominal	
I=Btm Width #1	Branch Parts=1	
J=Slope Angle #1	Plate Border=0.000	
K=Inset #1	Plate Type=Rectangular	
L=Offset #1	Branch Seam Position=0.000	
M=Rotation #1	Branch Only=No	
N=Collar #1	Input=Angle	
O=Tilt Angle #1	Reducer Seam Position=Corner	
P=Branch Width #2	Reducer Parts=1	
Q=Branch Depth #2		
R=Branch Length #2		
S=Btm Width #2		
T=Slope Angle #2		
U=Inset #2		
V=Offset #2		
W=Rotation #2		
X=Collar #2		
Y=Tilt Angle #2		
Z=Reducer Width		
a=Reducer Depth		
b=Reducer Length		

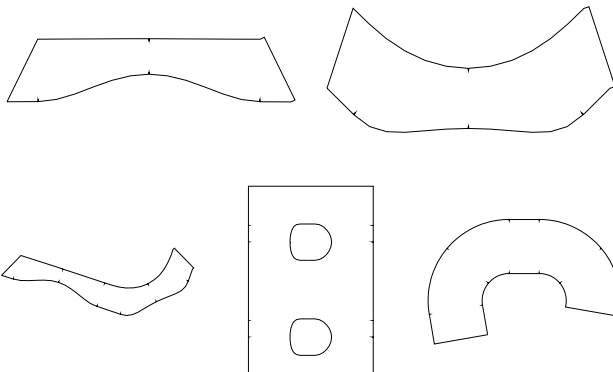
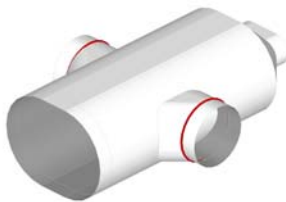
Seams

S1=1/2 Lap (F)
S2=1/2 Lap (F)
S3=1/2 Lap (F)

Damper:

Pattern: 1116

Flat Oval



Dims	Options	Conn's
A=Major Axis	Pipe Parts=1	C1=SE Oval
B=Minor Axis	Pipe Seam Position=0.000	C2=SE Oval
C=Pipe Length	Pipe Diameter Type=Nominal	C3=GRC_Swage-Male
D=Left Extension	Hole Adjust=0.000	C4=GRC_Swage-Male
E=Right Extension	Branch Allowance To Pipe=0.000	C5=SE Oval
F=Major Axis #1	Branch Diameter Type=Nominal	
G=Minor Axis #1	Branch Parts=2	
H=Branch Length #1	Branch Diameter Type=Nominal	
I=Angle #1	Branch Parts=1	
J=Inset #1	Plate Border=0.000	
K=Offset #1	Plate Type=Rectangular	
L=Rotation #1	Branch Seam Position=0.000	
M=Collar #1	Branch Only=No	
N=Major Axis #2	Reducer Seam Position=Corner	
O=Minor Axis #2	Reducer Parts=1	
P=Branch Length #2		
Q=Angle #2		
R=Inset #2		
S=Offset #2		
T=Rotation #2		
U=Collar #2		
V=Reducer Width		
W=Reducer Depth		
X=Reducer Length		

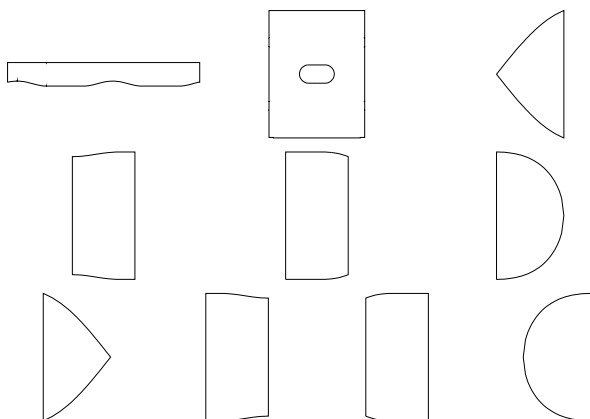
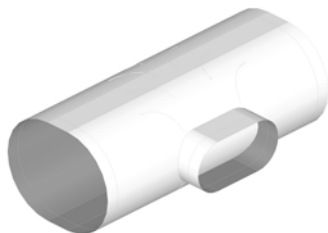
Seams

S1=1/2 Lap (F)
S2=1/2 Lap (F)
S3=1/2 Lap (F)

Damper:

Pattern: 1117

Flat Oval



Dims	Options	Conn's
A=Width	Pipe Parts=1	C1=SE Oval
B=Depth	Pipe Seam Position=Depth	C2=SE Oval
C=Pipe Length	Pipe Diameter Type=Nominal	C3=SE Oval
D=Left Extension	Hole Adjust=0.000	
E=Right Extension	Branch Allowance To Pipe=0.000	
F=Branch Width	Plate Border=0.000	
G=Branch Depth	Plate Type=Rectangular	
H=Branch Length	Branch Only=No	
I=Inset	Branch Seam Position=Corner	
J=Offset	Number Of Branches=1	
K=Collar	Branch Diameter Type=Nominal	
	Branch Parts=1	
	Branch Diameter Type=Nominal	
	Branch Parts=1	
	Branch Diameter Type=Nominal	
	Branch Parts=1	
	Branch Diameter Type=Nominal	
	Branch Parts=1	
	Splitters=4	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Left Reducer Seam Position=Corner	
	Left Reducer Parts=1	
	Right Reducer Seam Position=Corner	
	Right Reducer Parts=1	
	Inlet=1	
	Outlet=2	

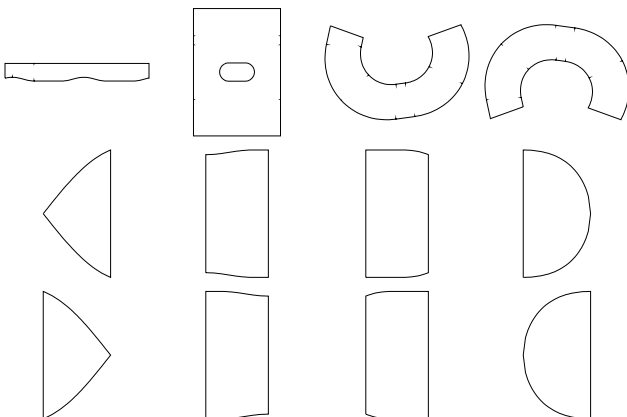
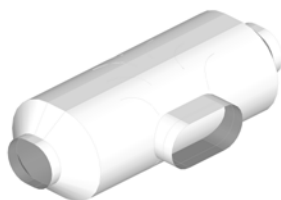
Seams

S1=1/2 Lap (F)
S2=1/2 Lap (F)

Damper:

Pattern: 1118

Flat Oval



Dims	Options	Conn's
A=Width	Pipe Parts=1	C1=SE Oval
B=Depth	Pipe Seam Position=Depth	C2=SE Oval
C=Pipe Length	Pipe Diameter Type=Nominal	C3=SE Oval
D=Left Extension	Hole Adjust=0.000	C4=SE Oval
E=Right Extension	Branch Allowance To Pipe=0.000	C5=SE Oval
F=Branch Width	Plate Border=0.000	
G=Branch Depth	Plate Type=Rectangular	
H=Branch Length	Branch Only=No	
I=Inset	Branch Seam Position=Corner	
J=Offset	Number Of Branches=1	
K=Collar	Branch Diameter Type=Nominal	
L=Left Reducer Width	Branch Parts=1	
M=Left Reducer Depth	Branch Diameter Type=Nominal	
N=Left Reducer Length	Branch Parts=1	
O=Right Reducer Width	Branch Diameter Type=Nominal	
P=Right Reducer Depth	Branch Parts=1	
Q=Right Reducer Length	Branch Diameter Type=Nominal	
	Branch Parts=1	
	Splitters=4	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Left Reducer Seam Position=Corner	
	Left Reducer Parts=1	
	Right Reducer Seam Position=Corner	
	Right Reducer Parts=1	
	Inlet=1	
	Outlet=2	

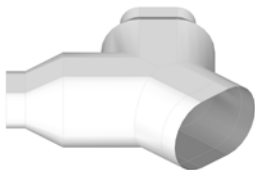
Seams

S1=1/2 Lap (F)
S2=1/2 Lap (F)

Damper:

Pattern: 1119

Flat Oval

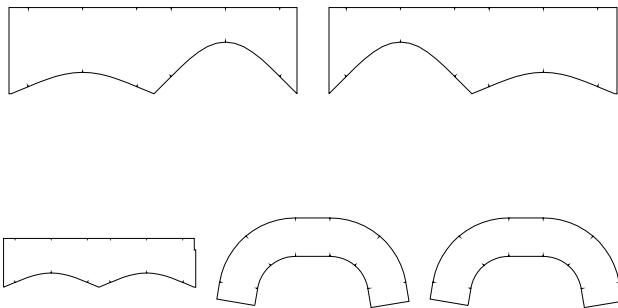


Dims	Options	Conn's
A=Width	Diameter Type=Nominal	C1=SE Oval
B=Depth	Splitters=0	C2=SE Oval
C=Length In	Splitter Radius=Auto	C3=SE Oval
D=Length Out	Splitter Adjust=0.000	C4=SE Oval
E=Angle		C5=SE Oval
F=Bottom Extension		C6=SE Oval
G=Left Extension		
H=Right Extension		
I=Left Reducer Major Axis		
J=Left Reducer Minor Axis		
K=Left Reducer Length		
L=Right Reducer Major Axis		
M=Right Reducer Minor ...		
N=Right Reducer Length		

Seams

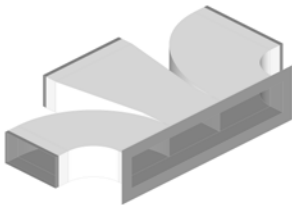
S1=1/2 Lap (F)

Damper:



Pattern: 1120

Rectangular/Ductboard

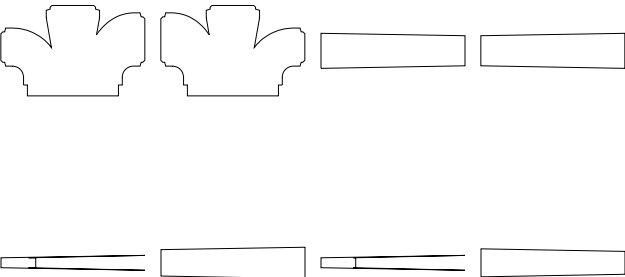


Dims	Options	Conn's
A=Btm Width	Type=3-Way	C1=TDC
B=Depth	Same Widths=No	C2=S&D
C=Left Bottom Width	Left Throat=Radius	C3=S&D
D=Right Bottom Width	Right Throat=Radius	C4=S&D
E=Left Width		
F=Top Width		
G=Right Width		
H=Top Length #1		
I=Top Length #2		
J=Bottom Extension		
K=Left Extension		
L=Top Extension		
M=Right Extension		
N=Left Radius		
O=Top Radius		
P=Right Radius		

Seams

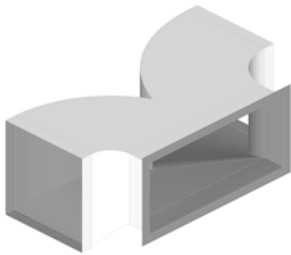
S1=PIITS-S

Damper:



Pattern: 1121

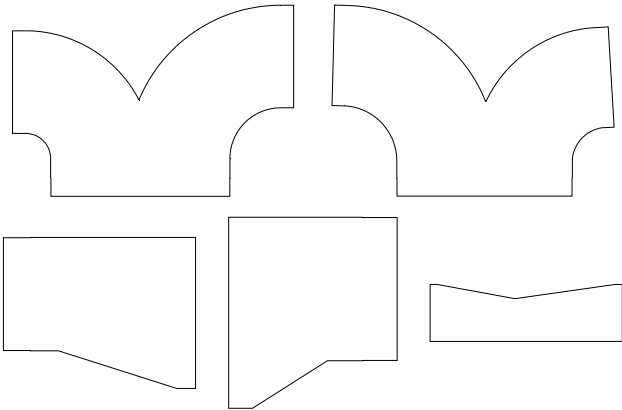
Rectangular/Ductboard



Dims	Options	Conn's
A=Btm Width	Right Throat Type=Radius	C1=TDC
B=Btm Depth	Left Throat Type=Radius	C2=None
C=Right Width	Vee Depth Male=Auto	C3=None
D=Right Depth	Vee Depth Female=Auto	
E=Left Width	Vee Angle Male=30	
F=Left Depth	Vee Angle Female=30	
G=Right Offset	Junction Notch=Use Vee Notch	
H=Left Offset	Vee Notch Angle=20.000	
I=Height	2 Part Wrapper=No	
J=Right Radius	Right Folds=End Point	
K=Left Radius	Left Folds=End Point	
L=Right Angle	Inlet=1	
M=Left Angle	Outlet=2	
N=Btm Right Extension	Separate Mid Cheeks=No	
O=Btm Left Extension		
P=Right Extension		
Q=Left Extension		

Seams
S1=None
S2=None

Damper:



Pattern: 1122

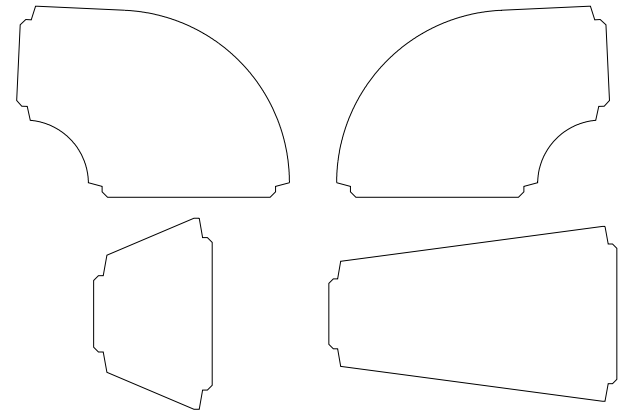
Rectangular/Ductboard



Dims	Options	Conn's
A=Btm Width	Throat Type=Radius	C1=S&D
B=Btm Depth	Vee Depth Male=Auto	C2=S&D
C=Top Width	Vee Depth Female=Auto	
D=Top Depth	Vee Angle Male=30	
E=Angle	Vee Angle Female=30	
F=Top Extension	Offset=Top Down	
G=Bottom Extension	Bending=Left	
H=Inner Radius	Allow Central Tie Rods=Yes	
I=Offset	Straight Edge Wrappers=No	
	Splitters=0	
	Splitter Slit Angle=10.000	
	Intersect Splitter Holes=No	

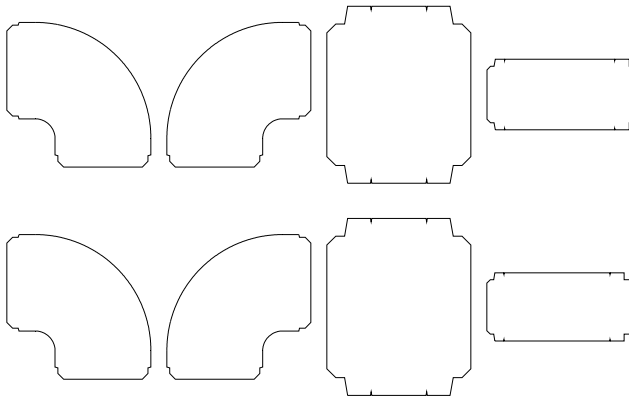
Seams
S1=PIITS-S

Damper:



Pattern: 1124

Rectangular



Dims	Options	Conn's
A=Btm Width	Same Widths=Yes	C1=S&D
B=Btm Depth	Left Rotation=Left	C2=S&D
C=Left Top Width	Right Rotation=Right	C3=S&D
D=Right Top Width	Left Throat Type=Radius	
E=Btm Left Extension	Right Throat Type=Radius	
F=Btm Right Extension	Inner Wrap Length Adjust=0.000	
G=Left Extension	Outer Wrap Length Adjust=0.000	
H=Left Inner Radius	Vee Depth Male=Auto	
I=Left Angle	Vee Depth Female=Auto	
J=Right Extension	Vee Angle Male=30	
K=Right Inner Radius	Vee Angle Female=30	
L=Right Angle	Join Vee Angle Male=0	
M=Gap Width	Join Vee Angle Female=0	
N=C2 Depth	Auto Oversize=Normal	
O=C3 Depth	Seam Number For Throat=	
	Folding Lines=No	
	Rotate=Yes	

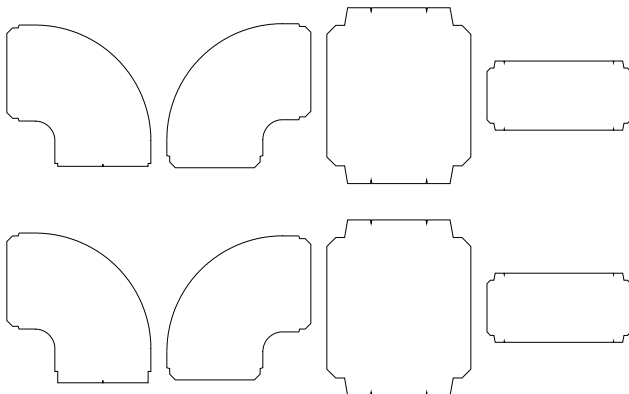
Seams

S1=PIITS-S
S2=PIITS-S

Damper:

Pattern: 1125

Rectangular



Dims	Options	Conn's
A=Btm Width	Same Depths=Yes	C1=S&D
B=Btm Depth	Back Rotation=Left	C2=S&D
C=Back Top Width	Front Rotation=Right	C3=S&D
D=Front Top Width	Back Throat Type=Radius	
E=Btm Back Extension	Front Throat Type=Radius	
F=Btm Front Extension	Inner Wrap Length Adjust=0.000	
G=Back Extension	Outer Wrap Length Adjust=0.000	
H=Back Inner Radius	Vee Depth Male=Auto	
I=Back Angle	Vee Depth Female=Auto	
J=Front Extension	Vee Angle Male=30	
K=Front Inner Radius	Vee Angle Female=30	
L=Front Angle	Join Vee Angle Male=0	
M=Gap Depth	Join Vee Angle Female=0	
N=C2 Depth	Auto Oversize=Normal	
O=C3 Depth	Seam Number For Throat=	
	Folding Lines=No	
	Rotate=Yes	

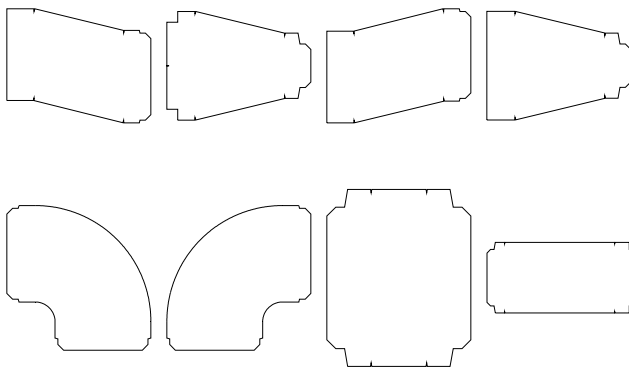
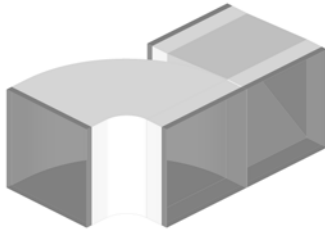
Seams

S1=PIITS-S
S2=PIITS-S

Damper:

Pattern: 1126

Rectangular



Dims	Options	Conn's
A=Btm Width	Same Widths=Yes	Vee Notch Angle=3... C1=S&D
B=Depth	= Bend Options ==...	Vee Notch Depth If... C2=S&D
C=Bend Top Width	Bend Rotation=Left	Taper Notch If Strai... C3=S&D
D=Taper Width Out	Throat Type=Radius	Taper Notch If Strai...
E=Taper Depth Out	Inner Wrap Length ...	Use Taper Notch F...
F=Bottom Extension	Outer Wrap Length...	Seam Cut Back=0.0...
G=Bend Extension	Vee Depth Male=A...	Outside Insulation=...
H=Bend Inner Radius	Vee Depth Female...	
I=Bend Angle	Vee Angle Male=30	
J=Taper Extension Out	Vee Angle Female=...	
K=Taper Length	Join Vee Angle Mal...	
L=Taper Angle	Join Vee Angle Fem...	
M=Taper Offset Width	Auto Oversize=Nor...	
N=Taper Offset Depth	Seam Number For ...	
O=Gap Width	Folding Lines=No	
P=C2 Depth	= Taper Options ==...	
Q=C3 Depth	Input=Length	
	2 Parts=No	
	3 Parts=No	
	Vee Depth Male=A...	
	Vee Depth Female...	
	Vee Notch Angle=20	
	Female Allow=Shor...	
	2-Sided Part Allowa...	
	Offset Width=Left In	
	Offset Depth=Bott...	
	Connector Fold Not...	
	Vee Notch Depth=...	
	Vee Notch Angle=3...	
	Connector Fold Not...	
	Vee Notch Depth=...	

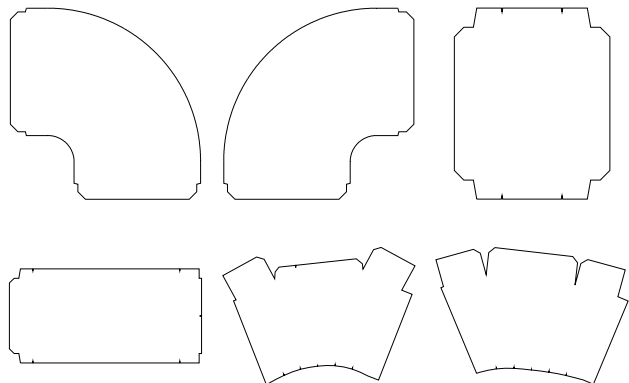
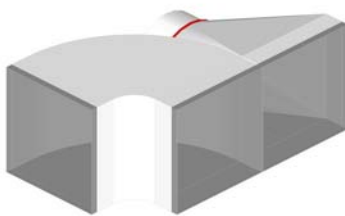
Seams

S1=PIITS-S
S2=PIITS-S
S3=PIITS-S

Damper:

Pattern: 1127

Rectangular



Dims	Options	Conn's
A=Btm Width	Same Widths=Yes	C1=S&D
B=Depth	= Bend Options === Bend Options =	C2=S&D
C=Bend Top Width	Bend Rotation=Left	C3=GRC_Swage-Male
D=Square-To-Round Dia...	Throat Type=Radius	
E=Bottom Extension	Inner Wrap Length Adjust=0.000	
F=Bend Extension	Outer Wrap Length Adjust=0.000	
G=Bend Inner Radius	Vee Depth Male=Auto	
H=Bend Angle	Vee Depth Female=Auto	
I=Square-To-Round Collar	Vee Angle Male=30	
J=Square-To-Round Length	Vee Angle Female=30	
K=Square-To-Round Slop...	Join Vee Angle Male=0	
L=Square-To-Round Offse...	Join Vee Angle Female=0	
M=Square-To-Round Offs...	Auto Oversize=Normal	
N=Gap Width	Seam Number For Throat=	
O=C2 Depth	Folding Lines=No	
	= Square To Round Options === Square To...	
	Cross Break=2	
	Length Break=1	
	Diameter Type=Nominal	
	Seam Position=Width	
	Marker Type=Notch	
	Estimated Diameter %age=Not Used	
	Input=Length	
	Offset Width=Left In	
	Offset Depth=Bottom Up	
	Inlet=1	
	Outlet=3	
	Fold Notch Depth=Full Allowance	
	Use Join Seam=Yes	

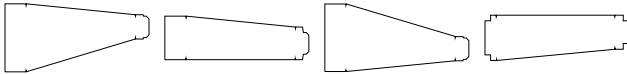
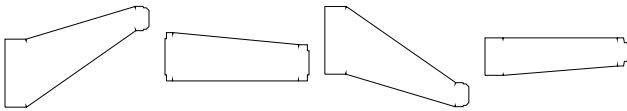
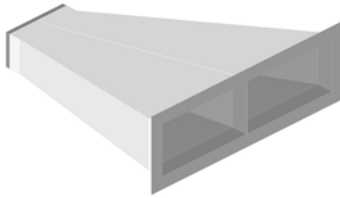
Seams

S1=PIITS-S
S2=PIITS-S
S3=PIITS-S
S4=PIITS-S

Damper: None

Pattern: 1128

Rectangular



Dims	Options	Conn's
A=Btm Width	Same Widths=Yes	C1=TDC
B=Btm Depth	Vertical Center=No	C2=S&D
C=Top Width	Input=Length	
D=Top Depth	2 Parts=No	
E=Bottom Extension	3 Parts=No	
F=Top Extension	Vee Depth Male=Auto	
G=Length	Vee Depth Female=Auto	
H=Taper Angle #1	Vee Notch Angle=20.000	
I=Taper Angle #2	Female Allow=Shortest Slope	
J=Taper Offset Width #1	2-Sided Part Allowance=Auto	
K=Taper Offset Depth	Offset Width=Left In	
L=Gap Width	Offset Depth=Bottom Up	
	Connector Fold Notch=Use Default	
	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
	Connector Fold Notch=Use Default	
	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
	Vee Notch Depth If Straight Edge (Female)...	
	Taper Notch If Straight Edge (Male)=No	
	Taper Notch If Straight Edge (Female)=No	
	Use Taper Notch For 2 Parts=Yes	
	Seam Cut Back=0.000	
	Join Vee Angle Male=0	
	Join Vee Angle Female=0	
	Width To Depth Ratio=Always Two Parts	

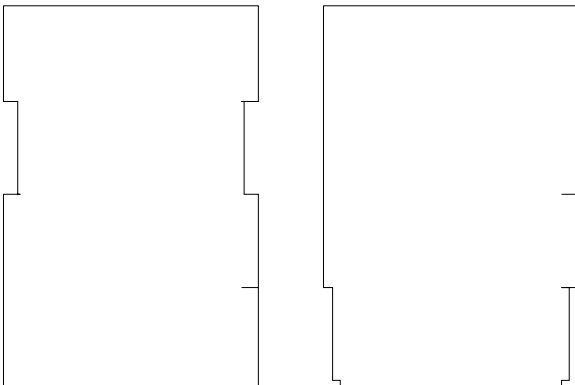
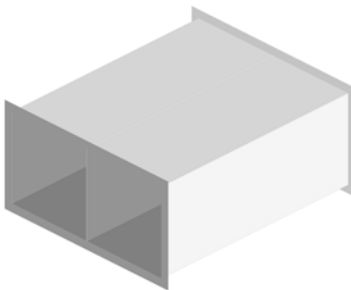
Seams

S1=PIITS-S
S2=PIITS-S
S3=PIITS-S

Damper:

Pattern: 1129

Rectangular



Dims	Options	Conn's
A=Width	Same Widths=Yes	C1=TDC
B=Depth	Straight Type=1 Part Straight	C2=TDC
C=Length	Female Allow=Shortest Side	
D=Gap Width	1xU,1xI=Shortest Side	
	Connector Fold Notch=Use Default	
	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
	Connector Fold Notch=Use Default	
	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
	Allow Split Sides=No	
	Maximum Fold Length=60.000	
	Minimum Fold Length=6.000	
	STD Straight=No	
	Oversize Check=Yes	
	Beading=No	
	Join Vee Angle Male=0	
	Join Vee Angle Female=0	
	Width To Depth Ratio=Always Two Parts	
	Damper Type=None	
	Damper Direction=Vertical	
	Handle Type=Manual	
	Handle Side=Top	

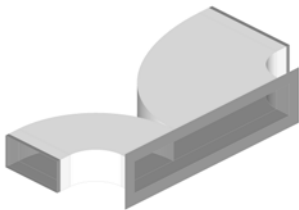
Seams

S1=Snaplock
S2=Snaplock
S3=Snaplock

Damper:

Pattern: 1130

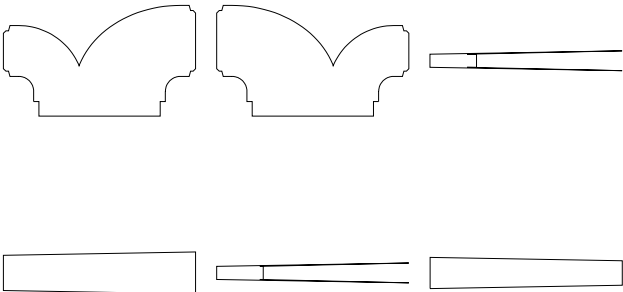
Rectangular/Ductboard



Dims	Options	Conn's
A=Btm Width	Type=2-Way	C1=TDC
B=Depth	Same Widths=No	C2=S&D
C=Left Bottom Width	Left Throat=Radius	C3=S&D
D=Left Width	Right Throat=Radius	C4=S&D
E=Right Width		
F=Bottom Extension		
G=Left Extension		
H=Right Extension		
I=Left Radius		
J=Right Radius		

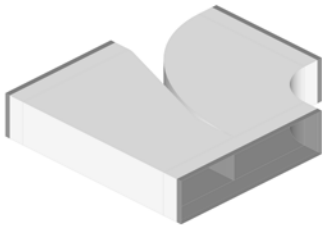
Seams
S1=PIITS-S

Damper:



Pattern: 1131

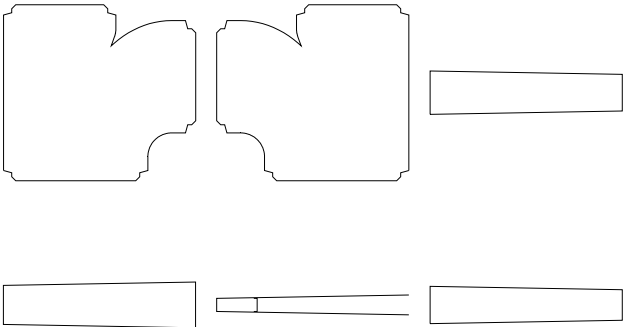
Rectangular/Ductboard



Dims	Options	Conn's
A=Btm Width	Type=2-Way Asymmetrical	C1=S&D
B=Depth	Same Widths=No	C2=S&D
C=Right Bottom Width	Left Throat=Radius	C3=S&D
D=Top Width	Right Throat=Radius	C4=S&D
E=Right Width		
F=Top Length #1		
G=Top Length #2		
H=Bottom Extension		
I=Top Extension		
J=Right Extension		
K=Top Radius		
L=Right Radius		

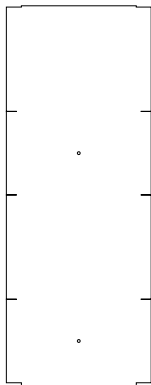
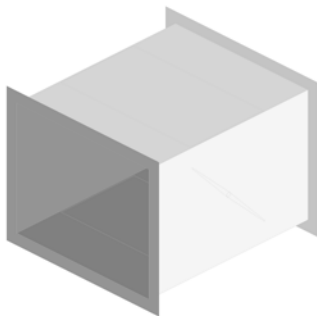
Seams
S1=PIITS-S

Damper:



Pattern: 1133

Rectangular



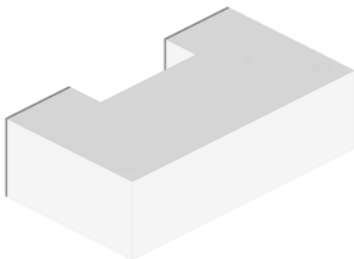
Dims	Options	Conn's
A=Width	Same Widths=No	C1=TDC
B=Depth	Straight Type=1 Part Straight	C2=TDC
C=Length	Female Allow=Shortest Side	
D=Damper Thickness	1xU,1xI=Shortest Side	
E=Damper Clearance	Connector Fold Notch=Use Default	
F=Damper Center Diameter	Vee Notch Depth=Auto	
G=Damper Angle	Vee Notch Angle=30.000	
H=Damper Inset	Connector Fold Notch=Use Default	
I=Handle Width	Vee Notch Depth=Auto	
J=Handle Depth	Vee Notch Angle=30.000	
K=Handle Length	Allow Split Sides=No	
	Maximum Fold Length=1000000.000	
	Minimum Fold Length=1000000.000	
	STD Straight=No	
	Oversize Check=Yes	
	Beading=No	
	Join Vee Angle Male=0	
	Join Vee Angle Female=0	
	Width To Depth Ratio=999999.000	
	Damper Type=Angled	
	Damper Direction=Vertical	
	Handle Type=Manual	
	Handle Side=Top	

Seams
S1=PIITS-S

Damper:

Pattern: 1134

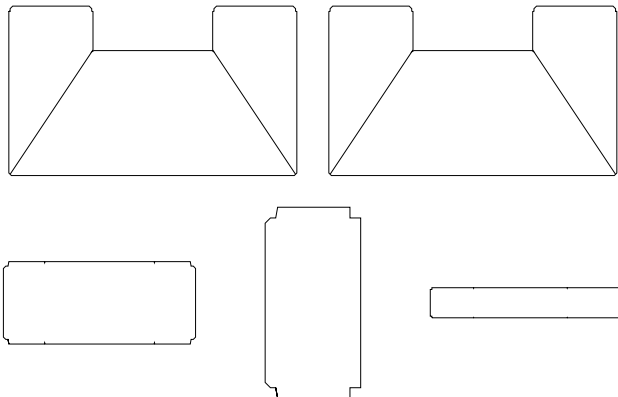
Rectangular



Dims	Options	Conn's
A=Left Width	Wrap Parts=1	C1=S&D
B=Middle Width	Inner Wrap Length Adjust=0.000	C2=S&D
C=Right Width	Outer Wrap Length Adjust=0.000	
D=Depth	Vee Depth Male=Auto	
E=Height	Vee Depth Female=Auto	
F=Left Height	Vee Angle Male=30	
G=Right Height	Vee Angle Female=30	
	Combine Cheeks And Wrapper=No	

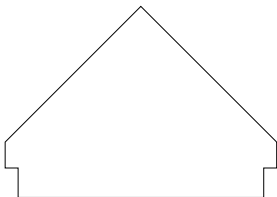
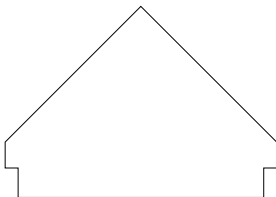
Seams
S1=PIITS-S
S2=PIITS-S
S3=PIITS-S

Damper:



Pattern: 1136

Rectangular/Ductboard



Dims		Options	Conn's
A=Width	B=Depth	Item Connector Len1=0.000	C1=TDC
C=Height	D=Angle	Item Connector Len2=0.000	
E=Extension	F=Depth	3 Parts=Yes	
		Connector=Yes	
		Seam Extension=Yes	
		Vee Depth Male=Auto	
		Vee Depth Female=Auto	
		Vee Angle Male=90.000	
		Vee Angle Female=90.000	
		Use Vee Notch=No	
		Chamfer Seam Allowances=Yes	Seams
		Input=Angle	
			S1=PITTS-S
			S2=PITTS-S

Damper:

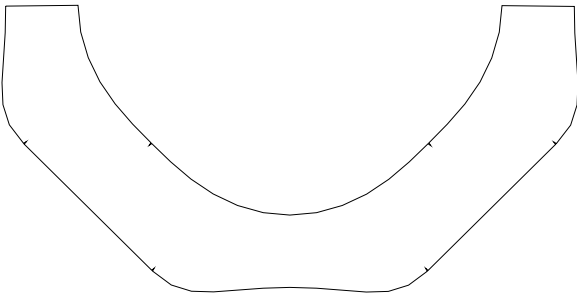
Pattern: 1137

Round



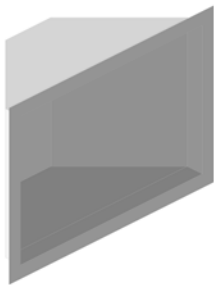
Dims		Options	Conn's
A=Pipe Diameter		Branch Parts=1	C1=None
B=Branch Diameter		Seam Position=0.000	C2=None
C=Branch Length		Pipe Diameter Type=Nominal	C3=GRC_Swage-Male
D=Angle		Branch Diameter Type=Nominal	
E=Offset		Branch Diameter Type=Nominal	
F=Collar		Branch Allowance To Pipe=0.000	
		Hole Adjust=0.000	
		Plate Border=0.000	
		Plate Type=Rectangular	
		Plate Border (Width)=Auto	
			Seams
			S1=None
			S2=None

Damper: None
None
None



Pattern: 1138

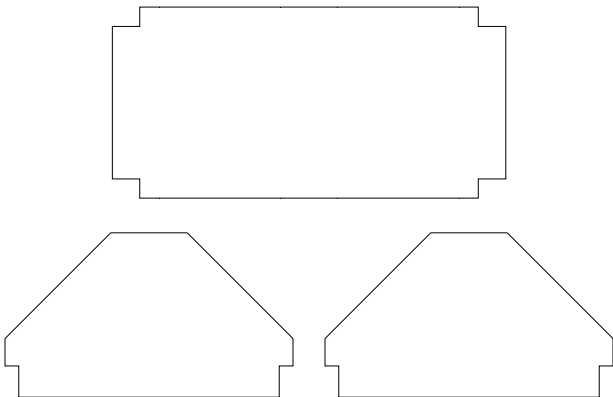
Rectangular/Ductboard



Dims	Options	Conn's
A=Btm Width	Item Connector Len1=0.000	C1=TDC
B=Depth	Item Connector Len2=0.000	
C=Top Width	3 Parts=Yes	
D=Height	Connector=Yes	
E=Angle	Seam Extension=Yes	
F=Extension	Vee Depth Male=Auto	
G=Depth	Vee Depth Female=Auto	
	Vee Angle Male=90.000	
	Vee Angle Female=90.000	
	Use Vee Notch=No	
	Chamfer Seam Allowances=Yes	
	Input=Angle	

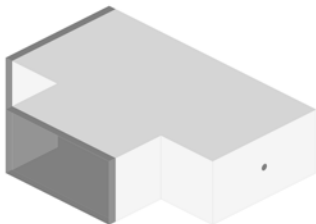
Seams
S1=PITTS-S
S2=PITTS-S

Damper:



Pattern: 1139

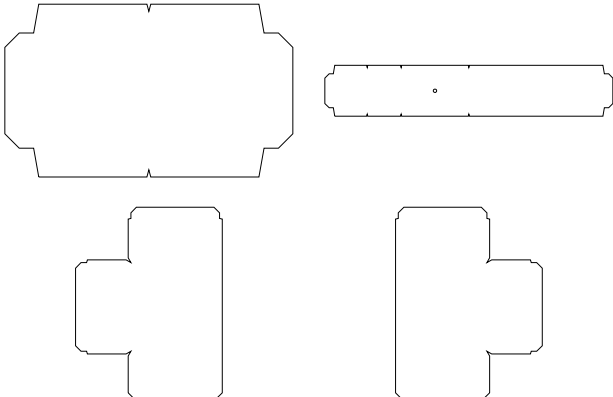
Rectangular



Dims	Options	Conn's
A=Top Width	Vee Depth Male=Auto	C1=S&D
B=Depth	Vee Depth Female=Auto	C2=S&D
C=Left Width	Vee Angle Male=30	C3=None
D=Btm Width	Vee Angle Female=30	
E=Top Extension		
F=Left Extension		
G=Bottom Extension		
H=Hole Diameter		
I=Hole Inset		
J=Hole Offset		

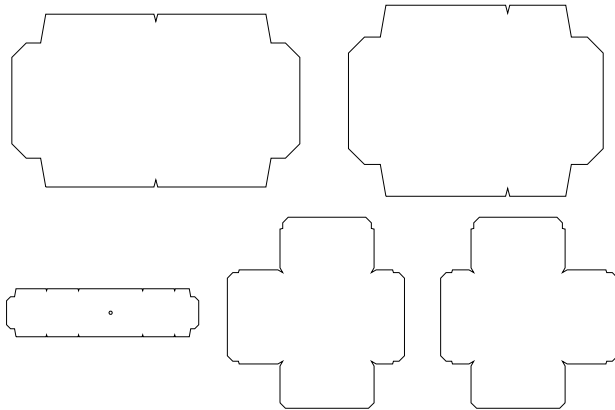
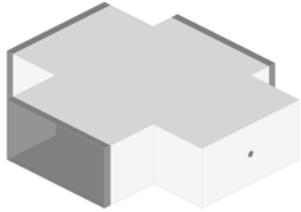
Seams
S1=PITTS-S
S2=PITTS-S

Damper:



Pattern: 1140

Rectangular



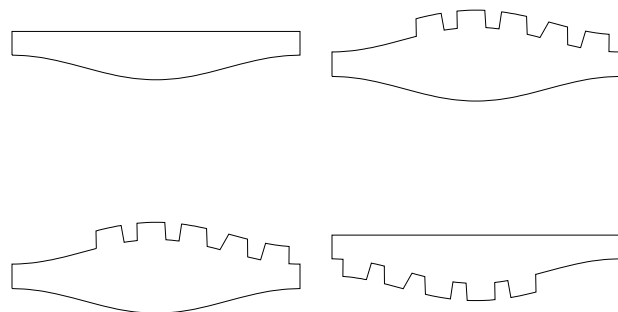
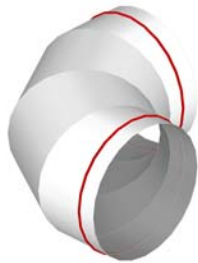
Dims	Options	Conn's
A=Top Width	Vee Depth Male=Auto	C1=S&D
B=Depth	Vee Depth Female=Auto	C2=S&D
C=Left Width	Vee Angle Male=30	C3=S&D
D=Right Width	Vee Angle Female=30	
E=Btm Width		
F=Top Extension		
G=Left Extension		
H=Right Extension		
I=Bottom Extension		
J=Hole Diameter		
K=Hole Inset		
L=Hole Offset		

Seams
S1=PIITS-S
S2=PIITS-S

Damper:

Pattern: 1141

Round



Dims	Options	Conn's
A=Diameter	Number Of Segments=4	C1=GRC_Swage-Male
B=Inner Radius	Seam Position=0.000	C2=GRC_Swage-Male
C=Angle	Cross Break=1	C3=GRC_Swage-Male
D=Bottom Extension	Diameter Type=Nominal	
E=Top Extension	Automatic Nest Break If Oversize=No	
	Notch Angle For Seam=0	
	Nest Break Start Segment=0	
	Nest Break End Segment=0	
	Marker Type=Notch	
	Diameter Reduction=0.000	
	Marker Depth=Default	
	Mark Sides=No	
	Leg Lengths=No	
	Fixing Holes On Extension=Yes	
	Square Outer Insulation=No	
	Outer Insulation Extensions=No	
	Splitters=0	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Splitter Shape=Angled	
	Splitter Type=Partial	
	Castle Height=3.000	
	Castle Width=5.000	
	Castle Quantity=7	
	Castle Angle=75.000	
	Castle Inset=15.000	
	Castle Height=3.000	
	Castle Width=5.000	
	Castle Quantity=2	
	Castle Angle=75.000	
	Castle Inset=15.000	

Seams
S1=None

Damper: None
None

Pattern: 1142

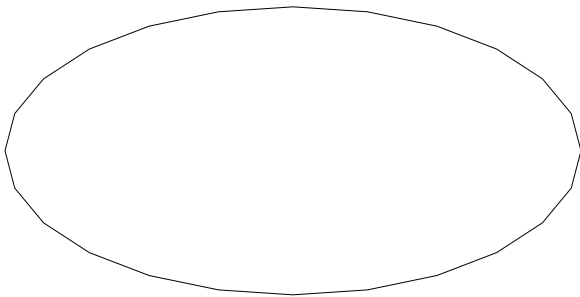
Standard

Dims	Options	Conn's
A=Major Axis	View Number Of Segments=Default	
B=Minor Axis	Develop Number Of Segments=Default	



Seams

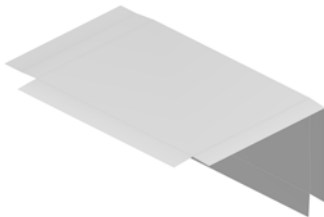
Damper:



Pattern: 1143

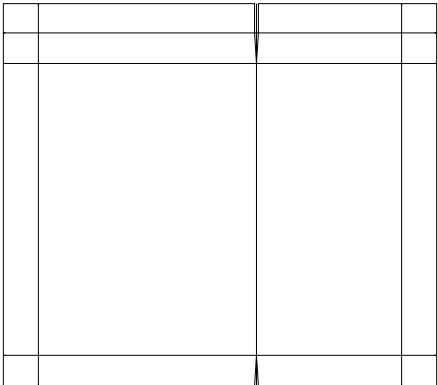
Rectangular/Standard

Dims	Options	Conn's
A=Left	Top Folds=2	C1=None
B=Depth	Bottom Folds=1	
C=Top Extension #1	Left Folds=1	
D=Top Fold Angle #1	Right Folds=1	
E=Top Extension #2	Attach=	
F=Top Fold Angle #2	Attacher Side=Left and Right	
G=Bottom Extension #1	Attacher Extension=Front	
H=Bottom Fold Angle #1		
I=Left Extension #1		
J=Left Fold Angle #1		
K=Right Extension #1		
L=Right Fold Angle #1		
M=Attach #1		
N=Attach #2		
O=Attach #3		
P=Inset		
Q=Bend Radius		
R=Right		
S=Angle		



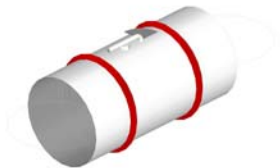
Seams

Damper:



Pattern: 1144

Round



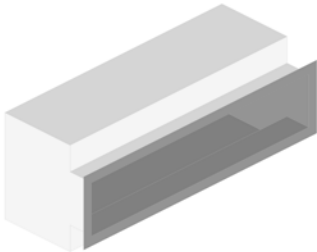
Dims	Options	Conn's
A=Diameter	Type=Manual	C1=GRC_Swage-Male
B=Length	Position=0.000	C2=GRC_Swage-Male
C=Left Collar	Plate=No	
D=Right Collar		
E=Total Length		
F=Handle Length #1		
G=Handle Length #2		
H=Handle Inset		

Seams

Damper:

Pattern: 1145

Rectangular/Ductboard

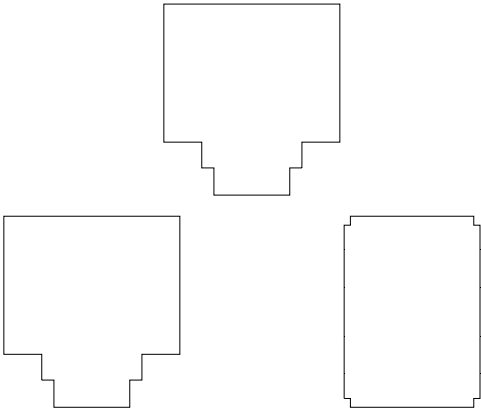


Dims	Options	Conn's
A=Top Width	Vee Angle Female=20	C1=TDC
B=Btm Width	Vee Angle Male=20	
C=Top Height	Vee Depth Female=Auto	
D=Bottom Height	Vee Depth Male=Auto	
E=Length	Chamfer Notches On Outer Corners=No	
F=Offset	3 Part Wrap=No	
	Connector Allowance=4 Sides	

Seams

S1=PIITS-S
S2=PIITS-S

Damper:



Pattern: 1146

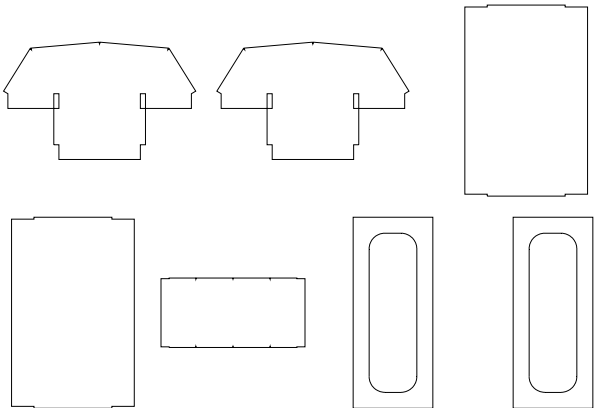
Rectangular



Dims	Options	Conn's
A=Width In	Type=Double	C1=TDC
B=Depth	Frame=Yes	C2=TDC
C=Width Out	Vee Depth Male=0.400	C3=TDC
D=Angle Out	Vee Angle Male=30.000	
E=Length #1	Vee Depth Female=0.400	
F=Length #2	Vee Angle Female=30.000	
G=Slope Angle	Seam Angle=45.000	
H=Bottom Extension		
I=Extension Out		
J=Frame Width		
K=Frame Depth		
L=Frame Radius		
M=Frame Mitre		

Seams

S1=PIITS-S



Damper:

Pattern: 1147

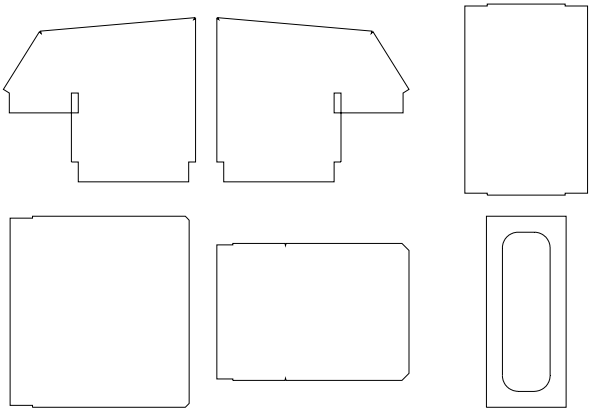
Rectangular



Dims	Options	Conn's
A=Width In	Type=Single	C1=TDC
B=Depth	Frame=Yes	C2=TDC
C=Width Out	Vee Depth Male=0.400	C3=S&D
D=Angle Out	Vee Angle Male=30.000	
E=Length #1	Vee Depth Female=0.400	
F=Length #2	Vee Angle Female=30.000	
G=Slope Angle	Seam Angle=45.000	
H=Bottom Extension		
I=Extension Out		
J=Frame Width		
K=Frame Depth		
L=Frame Radius		
M=Frame Mitre		

Seams

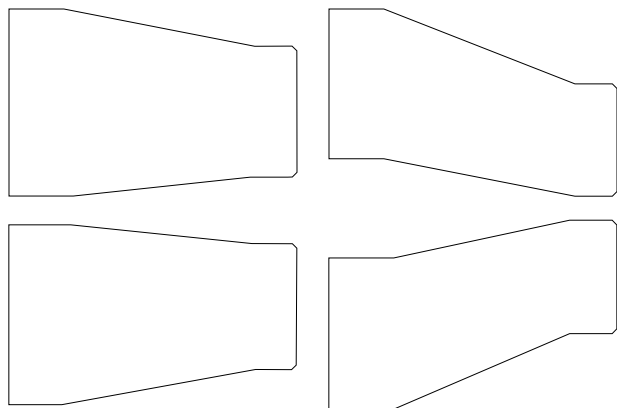
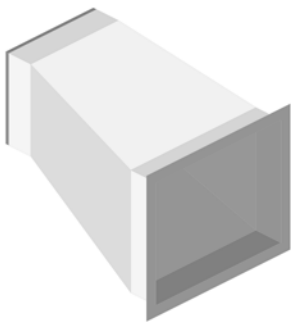
S1=PIITS-S



Damper:

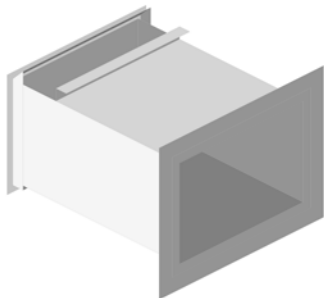
Pattern: 1148

Rectangular



Pattern: 1149

Rectangular



Dims	Options	Conn's
A=Width In	2 Parts=No	C1=TDC
B=Depth In	3 Parts=No	C2=S&D
C=Width Out	Vee Depth Male=Auto	
D=Depth Out	Vee Depth Female=Auto	
E=Length	Vee Notch Angle=20.000	
F=Extension In	Taper Notch If Straight Edge (Female)=No	
G=Extension Out	Female Allow=Shortest Slope	
H=Offset Width	2-Sided Part Allowance=Auto	
I=Offset Depth	Estimated Width Out %age=Not Used	
J=Angle	Estimated Depth Out %age=Not Used	
K=Extension In	Offset Width=Left In	
L=Extension Out	Offset Depth=Bottom Up	

Seams
S1=None

Damper:

Taper Notch If Straight Edge (Male)=No
Use Taper Notch For 2 Parts=Yes
Connector Fold Notch=Use Default
Vee Notch Depth=Auto
Vee Notch Angle=30.000
Input=Length
Vee Notch Depth If Straight Edge (Female)...
Maximum Angle=180.000
Splitter Turnover=0.000
Splitter Extension=0.000
Splitter Adjust=0.000
Connector Fold Notch=Use Default
Vee Notch Depth=Auto
Vee Notch Angle=30.000
Splitter Hole Diameter=0.000
Number Of Holes=0.000
Splitters=Half
Hole Inset=0.000
Fixing Holes on Turnover=No

Dims	Options	Conn's
A=Width	Vee Depth Male=0.400	C1=TDC
B=Depth	Vee Angle Male=30.000	C2=TDC
C=Height	Vee Depth Female=0.400	
D=Open Height	Vee Angle Female=30.000	
E=Flashing Width	Lid Dims=Actual	
F=Flashing Depth	Show Lid=On Top	
G=Edge Front		
H=Edge Down		
I=Lid Width		
J=Lid Top Depth		
K=Lid Bottom Depth		
L=Lid Height		

Seams
S1=PIITS-S

Damper:

Pattern: 1150

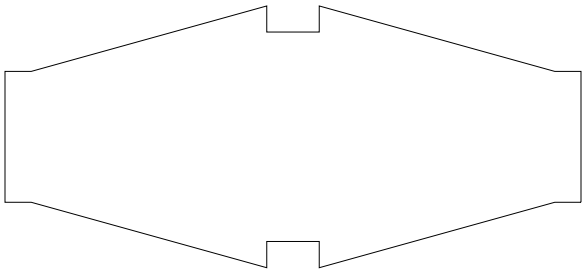
Standard

Dims	Options	Conn's
A=Length #1	B=Length #2	C1=None
C=Length #3	D=Height #1	
E=Height #2	F=Height #3	



Seams
S1=None

Damper:



Pattern: 1151

Pipework

Dims	Options	Conn's
A=Outer Diameter		C1=None
B=Inner Diameter		C2=None
C=Length		
D=Offset		
E=Rotation		



Seams

Damper:

Pattern: 1152

Structure

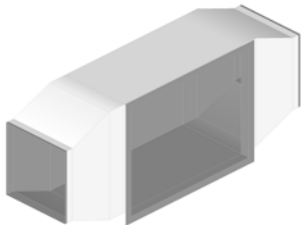


Dims	Options	Conn's
A=Height	Input=Bottom Width, Height & Angle	C1=None
B=Btm Width	Lines=No	
C=Top Width	Vee Depth Male=0.400	
D=Angle	Vee Angle Male=30.000	
E=Radius #1	Vee Depth Female=0.400	
F=Radius #2	Vee Angle Female=30.000	
G=Straight	X Rotation=0.000	
H=Depth	Y Rotation=0.000	
I=Thickness	Z Rotation=0.000	
J=Total Width		
K=Total Height		
L=Inner Angle		
		<div>Seams</div>
		S1=None

Damper:

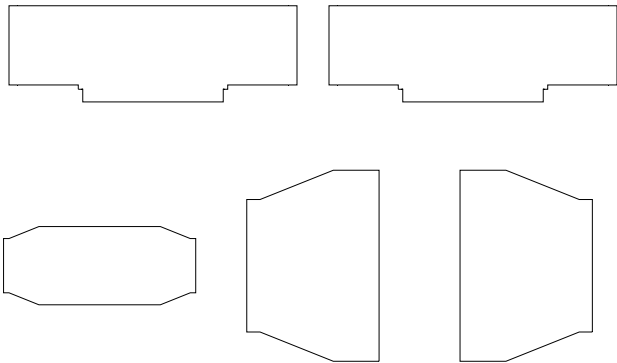
Pattern: 1153

Rectangular/Ductboard



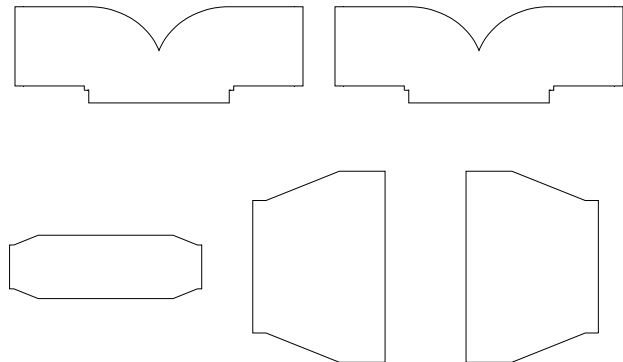
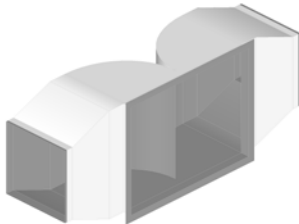
Dims	Options	Conn's
A=Btm Width	Heel=Square	C1=TDC
B=Btm Depth	2 Part Wrapper=No	C2=S&D
C=Left Width Out		C3=S&D
D=Left Depth		
E=Right Width Out		
F=Right Depth		
G=Left Height		
H=Right Height		
I=Left Straight		
J=Right Straight		
K=Left Length		
L=Right Length		
M=Btm Left Extension		
N=Btm Right Extension		
O=Left Extension		
P=Right Extension		
Q=Left Offset Width		
R=Left Offset Depth		
S=Right Offset Width		
T=Right Offset Depth		
		<div>Seams</div>
		S1=PIITS-S
		S2=PIITS-S

Damper:



Pattern: 1154

Rectangular/Ductboard



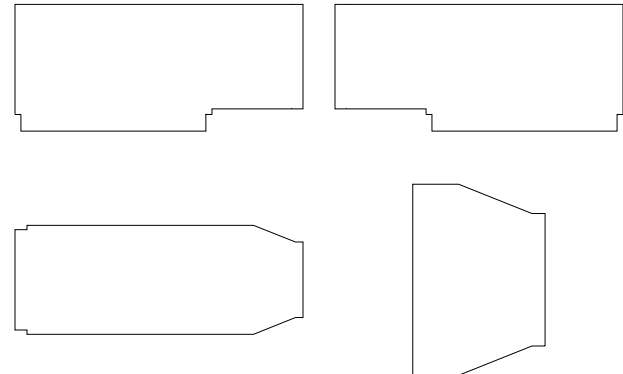
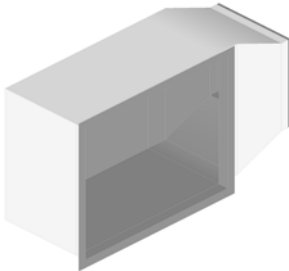
Dims	Options	Conn's
A=Btm Width	Heel=Square	C1=TDC
B=Btm Depth	2 Part Wrapper=No	C2=S&D
C=Left Width In		C3=S&D
D=Left Width Out		
E=Left Depth		
F=Right Width In		
G=Right Width Out		
H=Right Depth		
I=Left Height		
J=Mid Height		
K=Right Height		
L=Left Straight		
M=Right Straight		
N=Left Length		
O=Right Length		
P=Btm Left Extension		
Q=Btm Right Extension		
R=Left Extension		
S=Right Extension		
T=Left Offset Width		
U=Left Offset Depth		
V=Right Offset Width		
W=Right Offset Depth		
X=Left Angle		
Y=Right Angle		

Seams
S1=PIITS-S
S2=PIITS-S

Damper:

Pattern: 1155

Rectangular/Ductboard



Dims	Options	Conn's
A=Btm Width	Heel=Square	C1=TDC
B=Btm Depth	2 Part Wrapper=No	C2=S&D
C=Right Width Out		C3=None
D=Right Depth		
E=Right Height		
F=Right Straight		
G=Right Length		
H=Btm Left Extension		
I=Btm Right Extension		
J=Right Extension		
K=Right Offset Width		
L=Right Offset Depth		

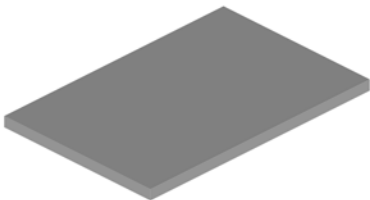
Seams
S1=PIITS-S
S2=PIITS-S

Damper:

Pattern: 1156

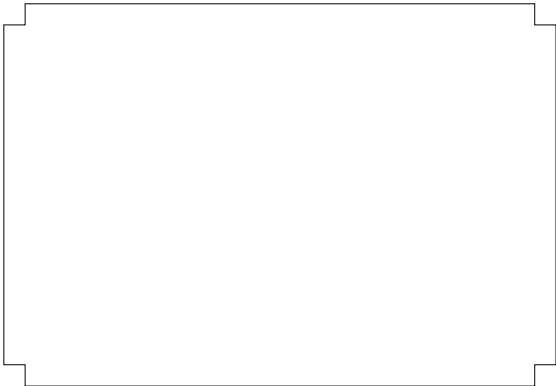
Structure

Dims		Options	Conn's
A=Width	B=Depth	Duct Adjust=0.000	C1=S&D
C=Turnover		Add Allowance To Body=No	C2=None
		Mirror Shape=Yes	



Seams
S1=None

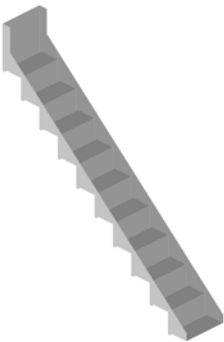
Damper:



Pattern: 1157

Structure

Dims		Options	Conn's
A=Width		Input=Total Size	C1=None
B=Depth		Number Of Steps=10.000	C2=None
C=Height		Sides=Support	C3=None
D=Step Depth		Rotation=Forward	
E=Step Height		Insertion Point=Bottom Front	
F=Top Depth			
G=Nosing Depth			
H=Nosing Height			
I=Support Height			



Seams

Damper:

Pattern: 1158

Structure



Dims		Options	Conn's
A=Left Height		Orientation=Vertical	C1=None
B=Right Height		Grip Point=Wall 1	C2=None
C=Length		Grip Point=Lower Centre	C3=None
D=Thickness		Cut In Height=Centre	C4=None
			C5=None
			C6=None
			C7=None

Seams

Damper:

Pattern: 1159

Rectangular



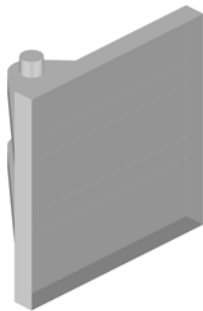
Dims		Options	Conn's
A=Width	B=Height	Lines Input=Spacing	C1=S&D
C=X Spacing	D=Y Spacing	X Lines=21	
		Y Lines=21	
		X Visible (0.0 to 1.0)=0.250	
		Y Visible (0.0 to 1.0)=0.250	
		Internal Lines=No	

Seams

Damper:

Pattern: 1160

Structure



Dims	Options	Conn's
A=Base Width	Detail=Low	C1=None
B=Base Depth	Plates=2	
C=Base Height		
D=Plate Width		
E=Plate Height		
F=Plate Thickness		
G=Plate Diameter		
H=Plate Base		
I=Plate Gap		
J=Hole Diameter		
K=Hole Offset		
L=Bolt Length		
M=Connector Angle		

Seams

Damper:

Pattern: 1161

Structure



Dims	Options	Conn's
A=Pipe Diameter	Shape=Round	C1=Spiral Raw
B=Pipe Length	Type=Single	C2=Spiral Raw
C=Plate Width	Show Pipe=Yes	C3=None
D=Plate Depth	Curved=No	
E=Plate Height	Sections=Auto	
F=Plate Diameter	Inset Input=X Inset	
G=Hole Diameter		
H=Hole Offset		
I=Own Axis Rotation		
J=Connector Angle		

Seams

Damper:

Pattern: 1162

Structure



Dims	Options	Conn's
A=Pipe Diameter	Curved=No	C1=Spiral Raw
B=Pipe Length	Sections=Auto	C2=Spiral Raw
C=Left Diameter	Shape=Round	
D=Left Length	Type=Single	
E=Plate Width #1	Shape=Round	
F=Plate Depth #1	Type=Single	
G=Plate Height #1		
H=Plate Diameter #1		
I=Hole Diameter #1		
J=Hole Offset #1		
K=Rotation #1		
L=Connector Angle #1		
M=Right Diameter		
N=Right Length		
O=Plate Width #2		
P=Plate Depth #2		
Q=Plate Height #2		
R=Plate Diameter #2		
S=Plate Gap #2		
T=Hole Diameter #2		
U=Hole Offset #2		
V=Rotation #2		
W=Connector Angle #2		

Seams

Damper:

Pattern: 1163

Round



Dims	Options	Conn's
A=Diameter	Number Of Segments=3	C1=GRC_Swage-Male
B=Inner Radius	Seam Position=0.000	C2=GRC_Swage-Male
C=Angle	Cross Break=1	C3=GRC_Swage-Male
D=Bottom Extension	Single Segments=No	
E=Top Extension Angle	Diameter Type=Nominal	
F=Top Extension Length	Automatic Nest Break If Oversize=No	
	Notch Angle For Seam=0	
	Nest Break Start Segment=0	
	Nest Break End Segment=0	
	Marker Type=Notch	
	Diameter Reduction=0.000	
	Marker Depth=Default	
	Mark Sides=No	
	Leg Lengths=No	
	Fixing Holes On Extension=Yes	
	Square Outer Insulation=No	
	Outer Insulation Extensions=No	
	Splitters=0	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Splitter Shape=Angled	
	Splitter Type=Partial	
	Input Top Extension=Top Length	
	Item Volume=Segmented	

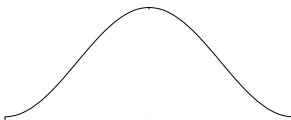
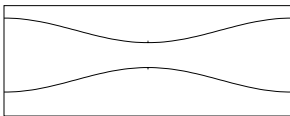
Seams

S1=None

S2=None

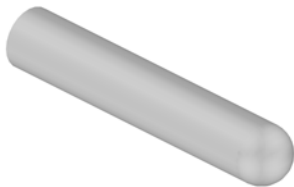
Damper: None

None



Pattern: 1164

Structure



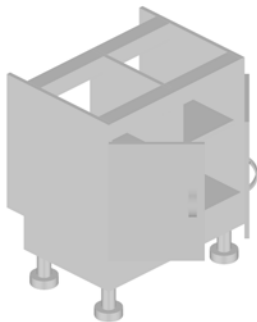
Dims	Options	Conn's
A=Diameter	Explode=No	C1=Spiral Raw
B=Length #1	Mark End=No	C2=Spiral Raw
C=First Angle #1	Mark End=No	
D=Second Angle #1		
E=Length #2		
F=First Angle #2		
G=Second Angle #2		

Seams

Damper:

Pattern: 1165

Furniture



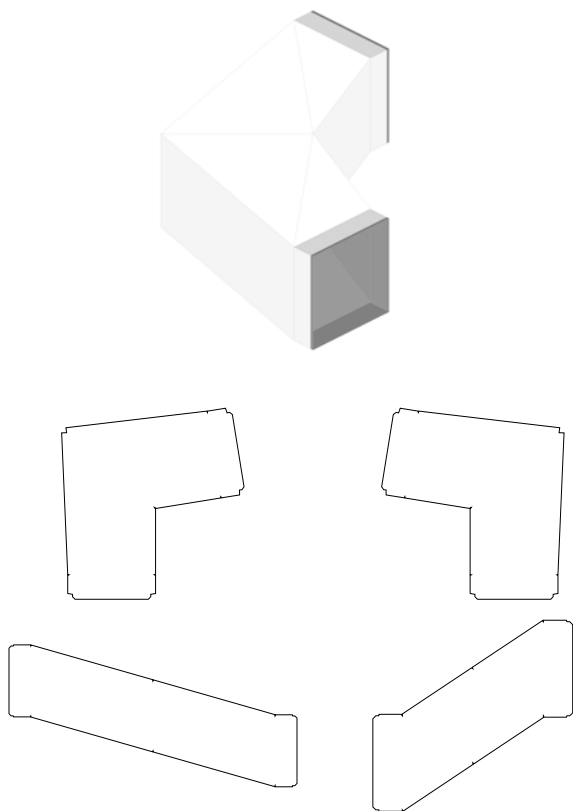
Dims	Options	Conn's
A=Width	Front=Doors	
B=Height	Top=Bar	
C=Depth	Back=Bar	
D=Back Depth	Left=Yes	
E=Front Left Width	Right=Yes	
F=Front Right Width	Legs=Yes	
G=Front Bar Width	Doors=Double	
H=Front Bar Depth	Horizontal Compartments=2	
I=Front Top Height	Vertical Compartments=2	
J=Front Bottom Height	Compartments Size=Auto	
K=Top Bar Depth	Number Of Drawers=5	
L=Top Bar Height	Handle Size=Auto	
M=Back Bar Height	Handle Position=Centre	
N=Back Bar Depth	Doors=Outside	
O=Back Bar Inset	Bottom Front=No	
P=Back Bar Offset	Bottom Left=No	
Q=Sides Thickness	Bottom Right=No	
R=Shelves Thickness	Door=Yes	
S=Shelves Inset	Door=Yes	
T=Doors Thickness		
U=Doors Angle		
V=Legs Diameter #1		
W=Legs Length #1		
X=Legs Diameter #2		
Y=Legs Length #2		
Z=Legs Inset		

Seams

Damper:

Pattern: 1166

Rectangular



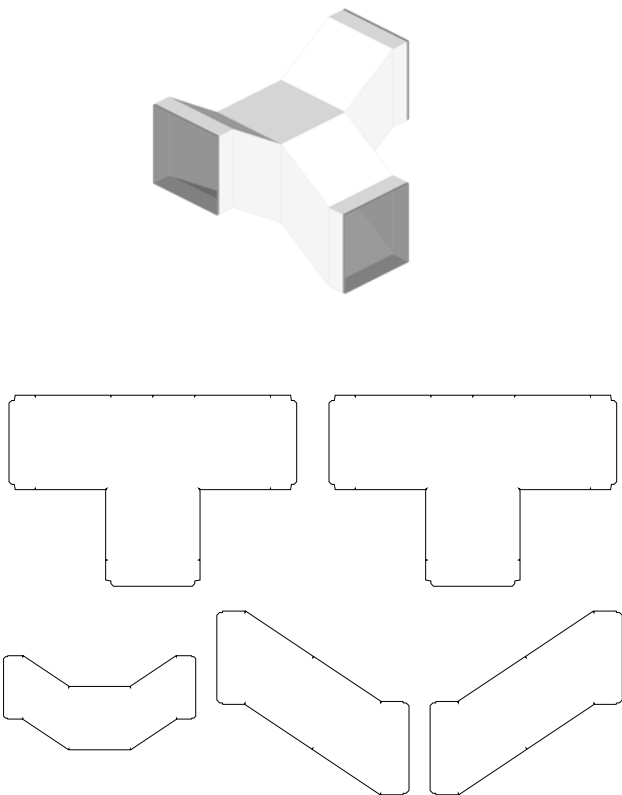
Dims	Options	Conn's
A=Btm Width	Type=Normal	C1=S&D
B=Btm Depth	Angled Ends=No	C2=S&D
C=Right Width	Wrap Parts=1	
D=Right Depth	Vee Depth Male=Auto	
E=Bottom Length	Vee Depth Female=Auto	
F=Right Length	Vee Angle Male=30	
G=Bottom Extension	Vee Angle Female=30	
H=Right Extension	Rotation=None	
I=Bottom Offset	Direction=C1 In C2 Out	
J=Right Offset		

Seams
S1=PIITS-S

Damper:

Pattern: 1167

Rectangular



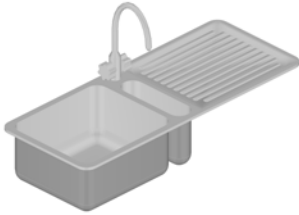
Dims	Options	Conn's
A=Btm Width	Type=Normal	C1=S&D
B=Btm Depth	Sides Same=Yes	C2=S&D
C=Left Width	Angled Ends=No	C3=S&D
D=Left Depth	Wrap Parts=1	
E=Right Width	Vee Depth Male=Auto	
F=Right Depth	Vee Depth Female=Auto	
G=Bottom Length	Vee Angle Male=30	
H=Right Length	Vee Angle Female=30	
I=Bottom Extension	Cheeks 2 Parts=No	
J=Right Extension		
K=Bottom Offset		
L=Right Offset		
M=Right Mid Angle		

Seams
S1=PIITS-S

Damper:

Pattern: 1168

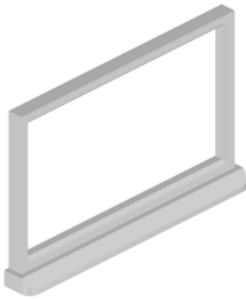
Pipework



Dims	Options	Conn's
A=Total Width	Compartments=3	C1=None
B=Total Depth	Taps=1	C2=None
C=Top Height	Compartment Type=Sink	C3=None
D=Surround Size	Compartment Type=Waste	C4=None
E=Outer Radius	Compartment Type=Drain	C5=None
F=Inner Radius	Compartment Type=Sink	C6=None
G=Width #1	Compartment Type=Sink	C7=None
H=Depth #1	Compartment Type=Sink	C8=None
I=Height #1	Tap Type=Default	C9=None
J=Front Inset #1	Tap Compartment=2	C10=None
K=Back Inset #1	Tap Type=Default	
L=Left Inset #1	Tap Compartment=None	
M=Right Inset #1		Seams
N=Output Diameter #1		
O=Output Length #1		
P=Output Inset #1		
Q=Output Offset #1		
R=Width #2		Damper:
S=Depth #2		
T=Height #2		
U=Front Inset #2		
V=Back Inset #2		
W=Left Inset #2		
X=Right Inset #2		
Y=Output Diameter #2		
Z=Output Length #2		
a=Output Inset #2		
b=Output Offset #2		
c=Width #3		
d=Depth #3		
e=Height #3		

Pattern: 1169

Structure

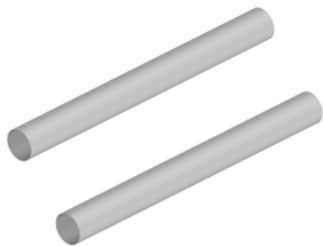


Dims	Options	Conn's
A=Window Width	Horizontal Windows=1	C1=None
B=Window Height	Vertical Windows=1	
C=Window Depth	Open Direction="Outward"	
D=Outer Thickness	Sill Corner=Radius	
E=Outer Mitre	Open Type=None	
F=Inner Thickness	Open Angle=45.000	
G=Inner Mitre	Join To=None	
H=Sill Width		
I=Sill Height		
J=Sill Depth		
K=Sill Back Extension		
L=Sill Corner		
M=Sill Angle		Seams

Damper:

Pattern: 1170

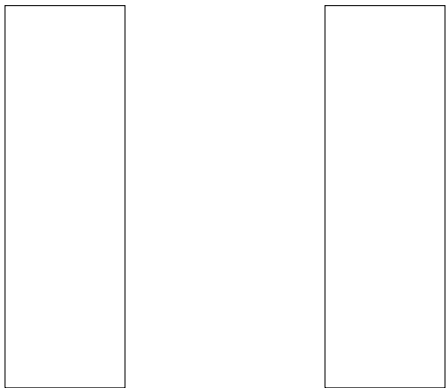
Structure



Dims	Options	Conn's
A=Diameter #1	Inserts Input=Both Insets	C1=Spiral Raw
B=Diameter #1	Main Lengths=From End	C2=Spiral Raw
C=Length #1	Main Angled Ends=No	C3=Spiral Raw
D=Diameter #2	Inserts Allowance To Mains=0.000	C4=Spiral Raw
E=Diameter #2	Type=Main	
F=Length #2	From Element=1	
G=Offset #2	To Element=1	
H=Offset #2	Type=Main	
	From Element=2	
	To Element=2	

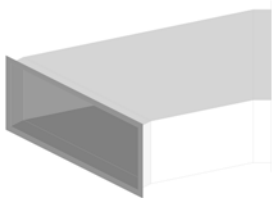
Seams
S1=None
S2=None

Damper:



Pattern: 1171

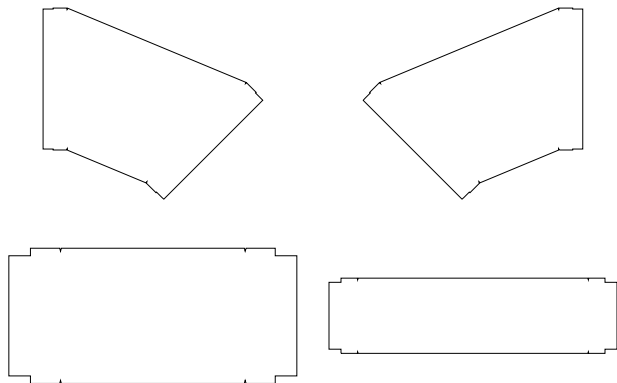
Rectangular



Dims	Options	Conn's
A=Left Width	Input=Angle And Inner & Right Lengths	C1=TDC
B=Depth	Type=Straight	C2=TDC
C=Right Width	Vee Depth Male=0.400	
D=Inner Length	Vee Angle Male=30.000	
E=Outer Length	Vee Depth Female=0.400	
F=Left Length	Vee Angle Female=30.000	
G=Right Length		
H=Left Extension		
I=Right Extension		
J=Total Angle		

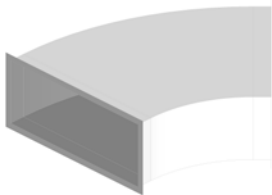
Seams
S1=PIITS-S

Damper:



Pattern: 1172

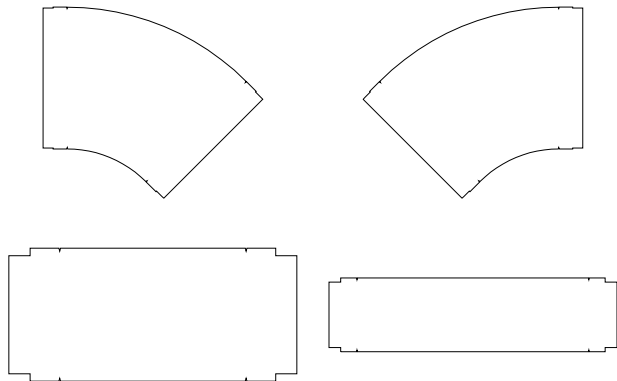
Rectangular



Dims	Options	Conn's
A=Left Width	Input=Angle And Inner & Right Lengths	C1=TDC
B=Depth	Type=Radius	C2=TDC
C=Right Width	Vee Depth Male=0.400	
D=Inner Length	Vee Angle Male=30.000	
E=Outer Length	Vee Depth Female=0.400	
F=Left Length	Vee Angle Female=30.000	
G=Right Length		
H=Left Extension		
I=Right Extension		
J=Total Angle		

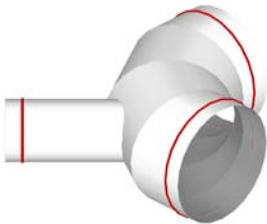
Seams
S1=PIITS-S

Damper:



Pattern: 1173

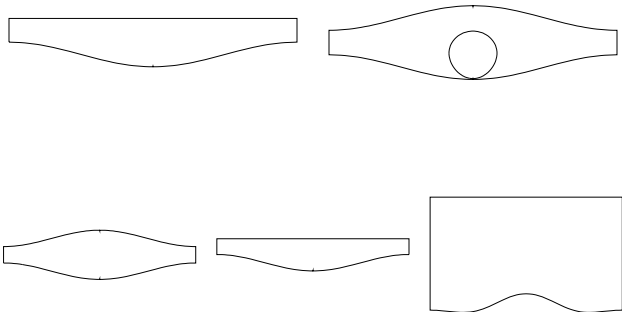
Round



Dims	Options	Conn's
A=Diameter	Number Of Segments=4	C1=GRC_Swage-Male
B=Inner Radius	Seam Position=0.000	C2=GRC_Swage-Male
C=Angle	Single Segments=Yes	C3=GRC_Swage-Male
D=Bottom Extension	Pipe Diameter Type=Nominal	C4=GRC_Swage-Male
E=Top Extension	Branch Diameter Type=Nominal	
F=Branch Diameter	Marker Type=Notch	
G=Branch Length	Branch Allowance To Pipe=0.000	
H=Branch Angle	Full Intersections=Yes	
I=Branch Extension	Item Volume=Segmented	
J=Branch Inset		
K=Branch Offset		

Seams
S1=None
S2=None

Damper:



Pattern: 1174

Structure



Dims	Options	Conn's
A=Width	Inner=Radius	C1=S&D
B=Height	Outer=Radius	C2=S&D
C=Outer Extension		
D=Inner Radius		
E=Angle		

Seams

Damper:

Pattern: 1175

Round/Standard

Dims	Options	Conn's
	Inlet=1	
	Outlet=1	
	Library=Duct	
	Faces=No	

Seams

Damper:

Pattern: 1176

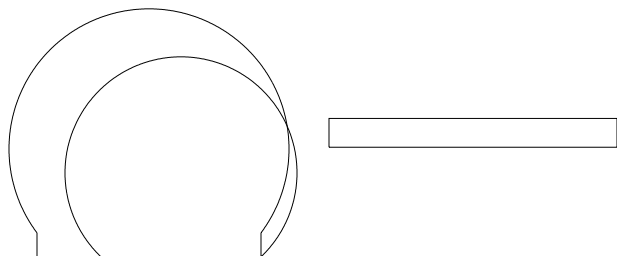
Structure



Dims	Options	Conn's
A=Top Width	Camber=50.000	C1=None
B=Btm Width	Type=I	C2=None
C=Height		
D=Length		
E=Web		
F=Top Flange		
G=Bottom Flange		

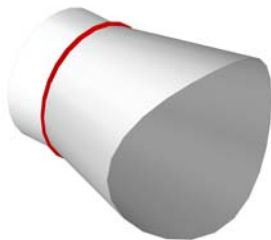
Seams

Damper:



Pattern: 1177

Round



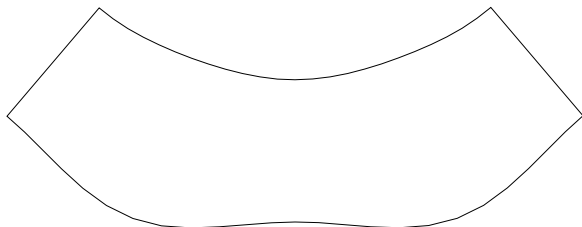
Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=No Pipe	C1=None
B=Branch Diameter	Branch Parts=1	C2=None
C=Btm Width	Pipe Seam Position=0.000	C3=GRC_Swage-Male
D=Btm Depth	First Break=0.000	
E=Branch Length	Second Break=0.000	
F=Collar	Third Break=0.000	
	Pipe Diameter Type=Nominal	
	Branch Diameter Type=Nominal	
	Hole Adjust=0.000	
	Branch Allowance To Pipe=0.000	
	Branch Seam Position=0.000	
	Plate Border=0.000	
	Plate Border (Width)=Equal	
	Plate Type=Rectangular	
	Inlet=1	
	Outlet=2	
	Draw Pipe=No	

Seams

S1=None

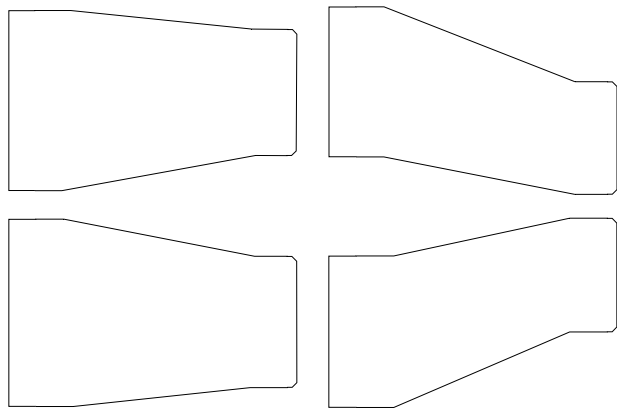
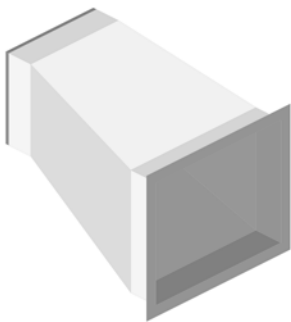
S2=None

Damper: None



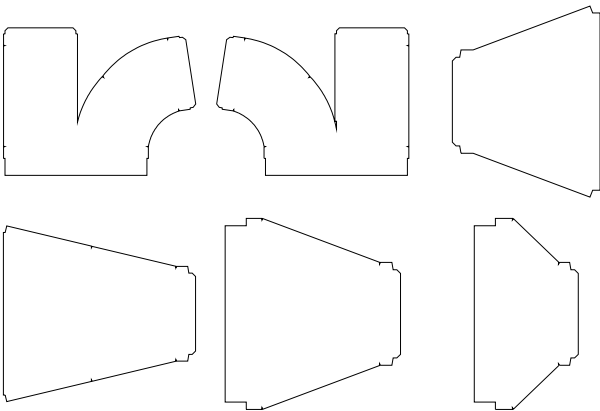
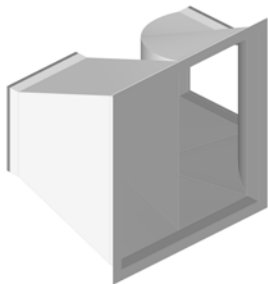
Pattern: 1178

Rectangular/Ductboard



Pattern: 1179

Rectangular



Dims	Options	Conn's
A=Width In	2 Parts=No	C1=TDC
B=Depth In	3 Parts=No	C2=S&D
C=Width Out	Vee Depth Male=Auto	
D=Depth Out	Vee Depth Female=Auto	
E=Length	Vee Notch Angle=20.000	
F=Extension In	Taper Notch If Straight Edge (Female)=No	
G=Extension Out	Female Allow=Shortest Slope	
H=Offset Width	2-Sided Part Allowance=Auto	
I=Offset Depth	Estimated Width Out %age=Not Used	
J=Angle	Estimated Depth Out %age=Not Used	
K=Extension In	Offset Width=Left In	
L=Extension Out	Offset Depth=Bottom Up	
	Taper Notch If Straight Edge (Male)=No	
	Use Taper Notch For 2 Parts=Yes	
	Connector Fold Notch=Use Default	
	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
	Input=Length	
	Vee Notch Depth If Straight Edge (Female)...	
	Maximum Angle=180.000	
	Splitter Turnover=0.000	
	Splitter Extension=0.000	
	Splitter Adjust=0.000	
	Connector Fold Notch=Use Default	
	Vee Notch Depth=Auto	
	Vee Notch Angle=30.000	
	Splitter Hole Diameter=0.000	
	Number Of Holes=0.000	
	Splitters=Half	
	Hole Inset=0.000	
	Fixing Holes on Turnover=No	

Seams
S1=None

Damper:

Dims	Options	Conn's
A=Btm Width	Same Widths=Yes	C1=TDC
B=Btm Depth	Right Throat=Radius	C2=S&D
C=Right Width	Vee Depth Male=Auto	C3=S&D
D=Right Depth	Vee Depth Female=Auto	
E=Top Width	Vee Angle Male=30	
F=Top Depth	Vee Angle Female=30	
G=Top Length #1	Seam Top Arcs=No	
H=Top Length #2	Cheeks Seam=Male	
I=Bottom Extension	Junction Seam Cutback (Up)=0.000	
J=Right Extension		
K=Top Extension		
L=Right Offset		
M=Top Offset		
N=Right Radius		
O=Top Radius		

Seams
S1=PIITS-S
S2=PIITS-S

Damper:

Pattern: 1180

Rectangular



Dims	Options	Conn's
A=Width	Input=Number Of Lines	C1=None
B=Height	Lines=10.000	
C=Inner Radius		
D=Angle		
E=Flange		

Seams

Damper:

Pattern: 1181

Standard

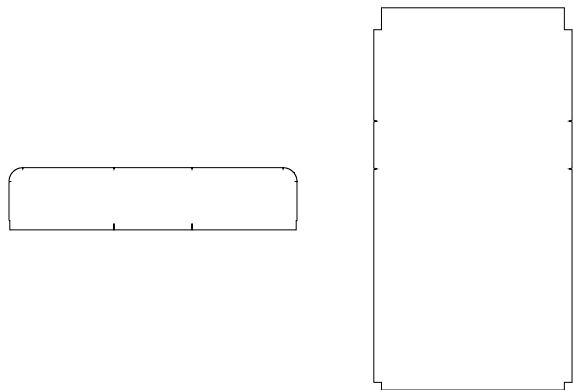
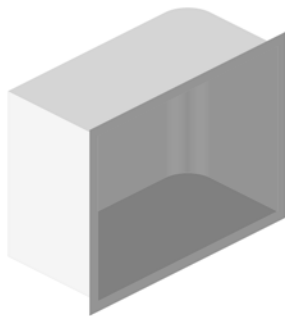
Dims	Options	Conn's
------	---------	--------

Seams

Damper:

Pattern: 1183

Rectangular



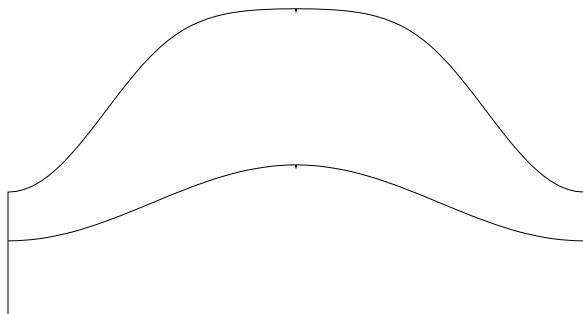
Dims		Options	Conn's
A=Width	B=Depth	Develop Parts=2	C1=TDC
C=Height	D=Radius	Vee Depth Male=0.400	
		Vee Depth Female=0.400	
		Vee Angle Male=30	
		Vee Angle Female=30	

Seams
S1=PITTS-S
S2=PITTS-S

Damper:

Pattern: 1184

Round



Dims		Options	Conn's
A=Pipe Diameter		Pipe Parts=No Pipe	C1=Spiral Raw
B=Branch Diameter		Branch Parts=1	C2=Spiral Raw
C=Branch Length		First Break=0.000	C3=GRC_Swage-Male
D=Angle		Second Break=0.000	C4=GRC_Swage-Male
E=Offset		Third Break=0.000	
F=Extension		Pipe Diameter Type=Nominal	
G=Collar		Branch Diameter Type=Nominal	
		Hole Adjust=0.000	
		Branch Allowance To Pipe=0.000	
		Throat Cut Back (Degrees)=0.000	
		Reducer Parts=1	
		Branch Inset=Front	

Seams
S1=None
S2=None

Damper: None

Pattern: 1185

Structure



Dims	Options	Conn's
A=Height	Mid Length=Auto	C1=S&D
B=Thickness	Inner=Radius	C2=S&D
C=Outer Extension	Outer=Radius	C3=S&D
D=Mid Thickness		
E=Mid Length		
F=Inner Radius		
G=Angle		
H=Mid Thickness		

Seams

Damper:

Pattern: 1186

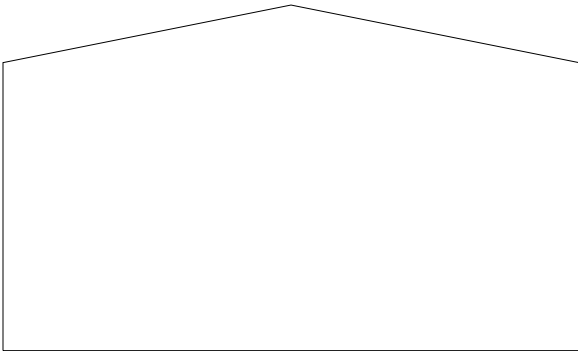
Structure



Dims	Options	Conn's
A=Left Height	Orientation=Vertical	C1=None
B=Right Height	Grip Point=Wall 1	C2=None
C=Length	Grip Point=Lower Centre	C3=None
D=Thickness	Cut In Height=Centre	C4=None
E=Apex Height	Apex Input=Height And Inset	C5=None
F=Apex Inset		C6=None
G=Apex Left Angle		C7=None
H=Apex Right Angle		

Seams

Damper:



Pattern: 1187

Structure



Dims		Options	Conn's
A=Height		Mid Length=Input	C1=S&D
B=Thickness		Inner=Radius	C2=S&D
C=Outer Extension		Outer=Radius	C3=S&D
D=Mid Thickness			
E=Mid Length			
F=Length			
G=Mid Thickness			

Seams

Damper:

Pattern: 1188

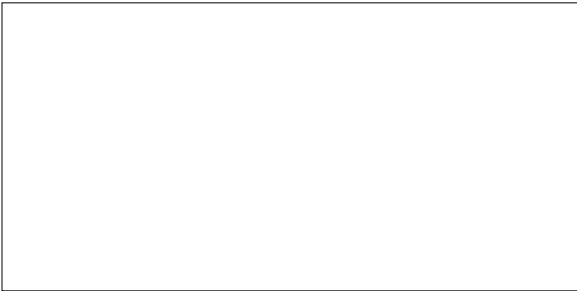
Structure



Dims		Options	Conn's
A=Height	B=Length	Orientation=Vertical	C1=None
C=Thickness		Grip Point=Wall 1	C2=None
		Grip Point=Lower Centre	C3=None
		Cut In Height=Centre	C4=None
		Profile=	C5=None
		Profile Top=Yes	C6=None
		Left Angle=45.000	C7=None
		Right Angle=45.000	
		Apply Angles To=Profile Only	
		Apply Angles=Horizontally	

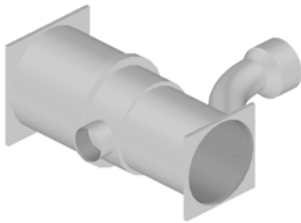
Seams

Damper:



Pattern: 1189

Pipework



Dims	Options	Conn's
A=Bottom Width	Vertical=No	C1=None
B=Bottom Depth	Pattern=None	C2=None
C=Bottom Diameter		C3=None
D=Middle Diameter #1		C4=None
E=Middle Diameter #2		
F=Top Diameter		
G=Top Width		
H=Top Depth		
I=Bottom Height		
J=Middle Height #1		
K=Middle Height #2		
L=Top Height		
M=Bottom Thickness		
N=Top Thickness		
O=Left Diameter		
P=Left Length		
Q=Right Diameter #1		
R=Right Length #1		
S=Right Diameter #2		
T=Right Length #2		
U=Right Inset		
V=Right Offset		
W=Right Centre Inset		
X=Right Centre Offset		
Y=Right Radius		
Z=Right Angle		
a=Lines		

Seams

Damper:

Pattern: 1190

Rectangular/Round

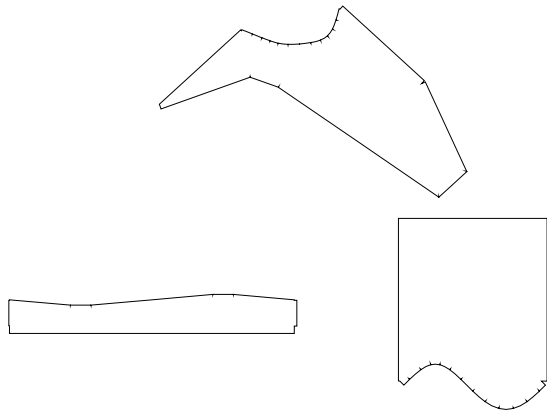


Dims	Options	Conn's
A=Width	Diameter Type=Nominal	C1=TDC
B=Depth	Round Parts=1	C2=GRC_Swage-Male
C=Diameter	Rect Parts=1	
D=Btm Left Ext	Body Cross Break=1	
E=Btm Right Ext	Body Length Break=1	
F=Top Upper Extension	Seam Position=Width	
G=Top Lower Extension	Marker Type=Notch	
H=Inner Length #1	Fold Notch Depth=Full Allowance	
I=Inner Length #2	V Notch Rectangular Extension=No	
J=Offset Depth	Inlet=1	
K=Angle	Outlet=2	

Seams

S1=PIITS-S
S2=PIITS-S

Damper:



Pattern: 1191

Rectangular/Standard



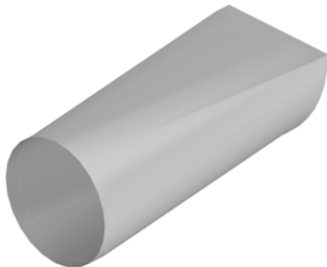
Dims	Options	Conn's
A=Height	Symmetrical=Yes	C1=S&D
B=Length		C2=S&D
C=Thickness		
D=Left Width		
E=Left Height		
F=Width		

Seams

Damper:

Pattern: 1192

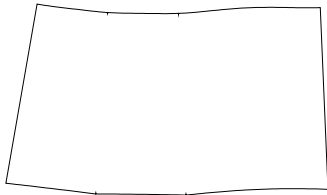
Pipework



Dims	Options	Conn's
A=Circular Diameter	Number Of Parts=1	C1=None
B=Quadrant Radius	Seam Position=Curve Start	C2=None
C=Length		
D=Circular Extension		
E=Quadrant Extension		
F=Offset Width		
G=Offset Depth		

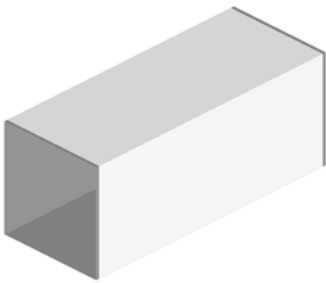
Seams
S1=None

Damper:



Pattern: 1193

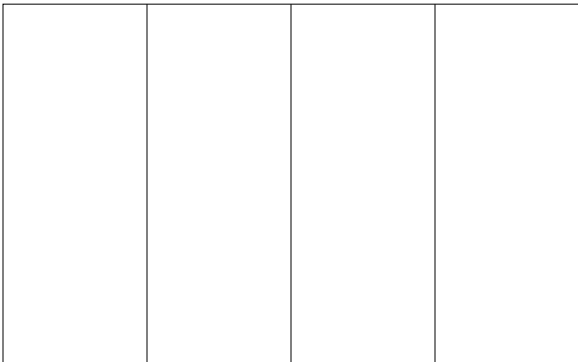
Rectangular/Ductboard



Dims		Options	Conn's
A=Length	B=Width #1		C1=S&D
C=Depth #1	D=Width #2		C2=S&D
E=Depth #2	F=Width #3		
G=Depth #3	H=Width #4		
I=Depth #4	J=Width #5		
K=Depth #5			

Seams
S1=PITTS-S

Damper:



Pattern: 1194

Rectangular/Standard



Dims		Options	Conn's
A=Width		Detail=Low	C1=S&D
B=Height			C2=S&D
C=Length			
D=Mid Width			
E=Mid Inset			
F=Mid Offset			
G=End Width			
H=End Height			
I=Thickness			
J=Radius			
K=Curve (0.0-1.0)			

Seams

Damper:

Pattern: 1196

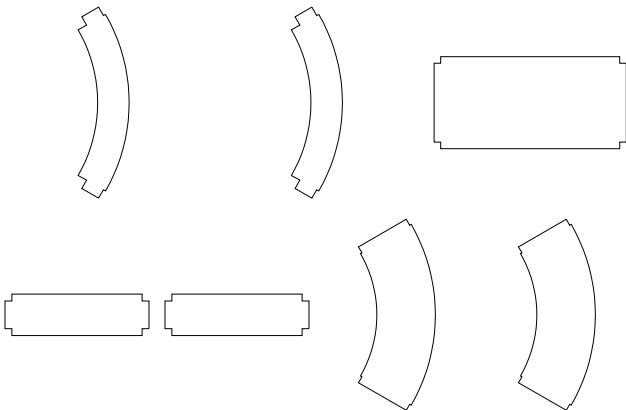
Rectangular



Dims	Options	Conn's
A=Top Width	Type=A	C1=S&D
B=Top Height	Draw Connectors=Yes	C2=S&D
C=Bottom Width	Notch Corners=Yes	C3=S&D
D=Bottom Height		
E=Radius		
F=Angle		

Seams
S1=PITTS-S

Damper:



Pattern: 1197

Electrical



Dims	Options	Conn's
A=Width In	Type=Elbow Left Front	C1=None
B=Depth In	Pattern=None	C2=None
C=Width Out		
D=Depth Out		
E=Length In		
F=Mid Length		
G=Length Out		
H=Extension In		
I=Extension Out		
J=Width Out		
K=Depth Out		
L=Top Edge		
M=Bottom Edge		
N=Front Edge		
O=Back Edge		

Seams
S1=None

Damper:

Pattern: 1198

Pipework



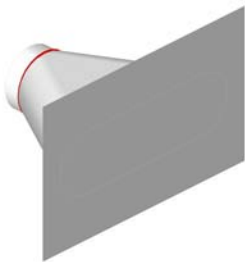
Dims	Options	Conn's
A=Diameter		C1=None
B=Height		C2=None
C=Extension In		
D=Extension Out		
E=Radius In		
F=Radius Out		
G=Angle In		
H=Angle Out		

Seams

Damper:

Pattern: 1199

Round

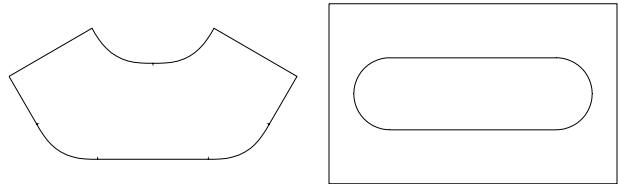


Dims	Options	Conn's
A=Diameter	Branch Parts=1	C1=GRC_Swage-Male
B=Length	Plate Parts=1	C2=None
C=Extension	Seam Position=0.000	
D=Angle	Hole Adjust=0.000	
E=Plate Width	Diameter Type=Nominal	
F=Plate Depth	Turnover=0.000	
G=Offset Width	Notch Hole Ends=No	
H=Offset Depth		
I=Bottom Width		

Seams

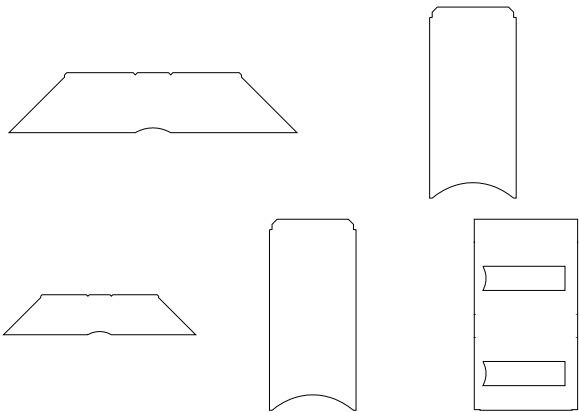
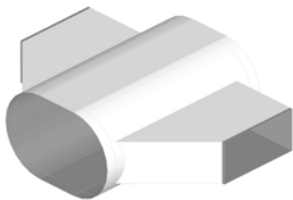
S1=None
S2=None

Damper: None



Pattern: 1204

Flat Oval



Pattern: 1522

Round/Flat Oval



Dims	Options	Conn's
A=Pipe Width	Pipe Diameter Type=Nominal	C1=SE Oval
B=Pipe Depth	Pipe Seam Position=Corner	C2=SE Oval
C=Pipe Length	Pipe Parts=1	C3=S&D
D=Left Extension	Branch Parts=2	C4=S&D
E=Right Extension	Round Allowance To Pipe=0.000	
F=Branch Width #1	Flat Allowance To Pipe=0.000	
G=Branch Depth #1	Hole Adjust=0.000	
H=Branch Length #1	Plate Border (Width)=0.000	
I=Angle #1	Plate Border (Depth)=Same	
J=Inset #1	Throat Clearance=0.000	
K=Offset #1	Castle Width=0.000	
L=Rotation #1	Castle Angle=30.000	
M=Extension #1		
N=Branch Width #2		
O=Branch Depth #2		
P=Branch Length #2		
Q=Angle #2		
R=Inset #2		
S=Offset #2		
T=Rotation #2		
U=Extension #2		

Seams

S1=1/2 Lap (F)

S2=1/2 Lap (F)

S3=1/2 Lap (F)

Damper: None

None

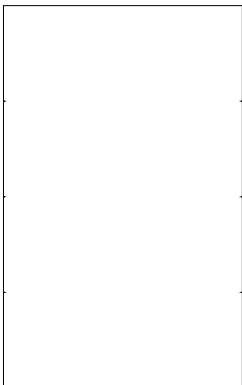
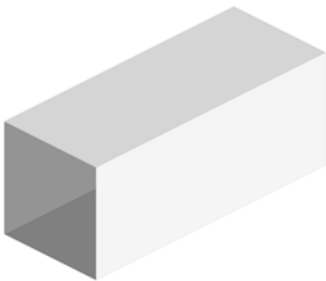
Dims	Options	Conn's
A=Diameter	Sex Type=Male	C1=GRC_Swage-Male
B=Collar		C2=GRC_Swage-Male
C=Length		
D=Offset		
E=Oval Depth		

Seams
S1=1/2 Lap (F)

Damper:

Pattern: 1972

Rectangular/Standard



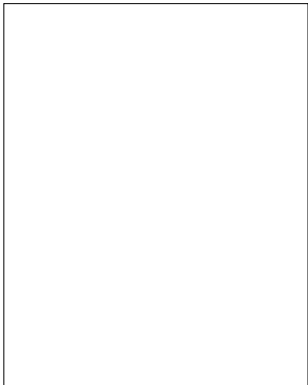
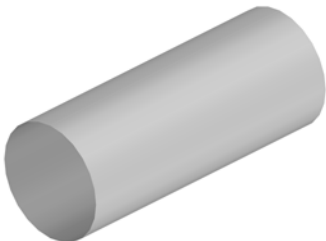
Dims		Options	Conn's
A=Width	B=Depth	Straight Type=1 Part Straight	C1=None
C=Length		Female Allow=Shortest Side	C2=None
		1xU,1xI=Shortest Side	C3=None
		Connector Fold Notch=Use Default	C4=None
		Vee Notch Depth=Auto	C5=None
		Vee Notch Angle=30.000	C6=None
		Connector Fold Notch=Use Default	
		Vee Notch Depth=Auto	
		Vee Notch Angle=30.000	
		Beading=No	
		Vertical=No	
		Adjust=0.000	
		Right Offset=6.000	
		Left Offset=6.000	
		Insulation Parts=Same	
		Insulation UI=Shortest Side	

Seams
S1=None

Damper:

Pattern: 2040

Pipework



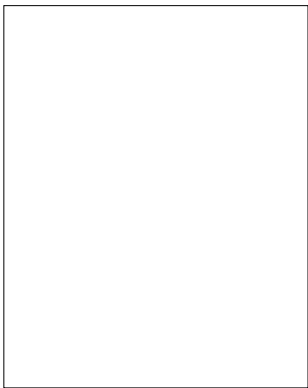
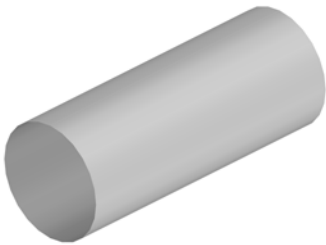
Dims		Options	Conn's
A=Diameter		Seam Position=0.000	C1=None
B=Length		Diameter Type=Nominal	C2=None
C=Left Extension		Pipe Length=(inch)	
D=Right Extension		Area Adjust (%)=0.000	
		Lengths Include Connector Adjust=No	
		Length Adjust=0.000	
		Pipe Parts=1	
		First Break=0.000	
		Second Break=0.000	
		Third Break=0.000	
		Insulate To Nodes=No	

Seams
S1=None

Damper: None
None

Pattern: 2041

Pipework

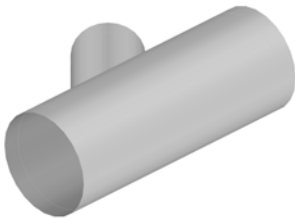


Dims	Options	Conn's
A=Diameter	Seam Position=0.000	C1=None
B=Length	Diameter Type=Nominal	C2=None
C=Left Extension	Pipe Length=(inch)	
D=Right Extension	Area Adjust (%)=0.000	
	Lengths Include Connector Adjust=No	
	Allow Multiple Straights=Yes	
	STD Straight=No	
	Length Adjust=0.000	
	Pipe Parts=1	
	First Break=0.000	
	Second Break=0.000	
	Third Break=0.000	
	Insulate To Nodes=No	
		Seams
		S1=None

Damper: None
None

Pattern: 2042

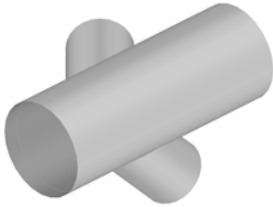
Pipework



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=None
B=Pipe Length	Branch Parts=1	C2=None
C=Left Extension	First Break=0.000	C3=None
D=Right Extension	Second Break=0.000	
E=Branch Diameter #1	Third Break=0.000	
F=Branch Length #1	Pipe Diameter Type=Nominal	
G=Angle #1	Branch Diameter Type=Nominal	
H=Inset #1	Hole Adjust=0.000	
I=Extension #1	Branch Allowance To Pipe=0.000	
	Branch Seam Position=0.000	
	Throat Cut Back (Degrees)=0.000	
	Plate Border (Circumference)=0.000	
	Plate Type=Rectangular	Seams
	Estimated Diameter %age=Not Used	S1=None
	Cut Back Allowance (%)=0.000	S2=None
	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	
	Inlet=1	Damper: None
	Outlet=2	None
	End Castle Width =0.000	None
	End Castle Angle=30.000	
	Angle Tolerance=0.000	
	Insulate To Nodes=Auto	

Pattern: 2044

Pipework



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=None
B=Pipe Length	Branch Parts=1	C2=None
C=Left Extension	First Break=0.000	C3=None
D=Right Extension	Second Break=0.000	C4=None
E=Branch Diameter #1	Third Break=0.000	
F=Branch Length #1	Pipe Diameter Type=Nominal	
G=Angle #1	Branch Diameter Type=Nominal	
H=Inset #1	Branch Diameter Type=Nominal	
I=Rotation #1	Hole Adjust=0.000	
J=Extension #1	Branch Allowance To Pipe=0.000	
K=Branch Diameter #2	Branch Seam Position=0.000	
L=Branch Length #2	Throat Cut Back (Degrees)=0.000	
M=Angle #2	Plate Border (Circumference)=0.000	
N=Inset #2	Plate Type=Rectangular	
O=Rotation #2	Estimated Diameter %age=Not Used	
P=Extension #2	Cut Back Allowance (%)=0.000	
	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	
	Inlet=1	
	Outlet=2	
	End Castle Width =0.000	
	End Castle Angle=30.000	
	Angle Tolerance=0.000	
	Insulate To Nodes=Auto	

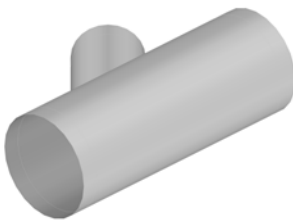
Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 2047

Pipework



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=None
B=Pipe Length	Branch Parts=1	C2=None
C=Left Extension	First Break=0.000	C3=None
D=Right Extension	Second Break=0.000	
E=Branch Diameter #1	Third Break=0.000	
F=Branch Length #1	Pipe Diameter Type=Nominal	
G=Angle #1	Branch Diameter Type=Nominal	
H=Inset #1	Hole Adjust=0.000	
I=Extension #1	Branch Allowance To Pipe=0.000	
	Branch Seam Position=0.000	
	Throat Cut Back (Degrees)=0.000	
	Plate Border (Circumference)=0.000	
	Plate Type=Rectangular	
	Estimated Diameter %age=Not Used	
	Cut Back Allowance (%)=0.000	
	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	
	Inlet=1	
	Outlet=2	
	End Castle Width =0.000	
	End Castle Angle=30.000	
	Angle Tolerance=0.000	
	Insulate To Nodes=Auto	

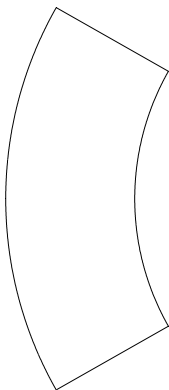
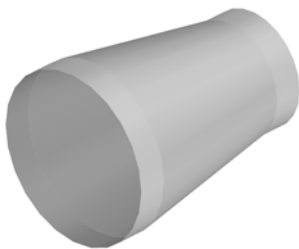
Seams

S1=None
S2=None

Damper: None
None
None

Pattern: 2051

Pipework



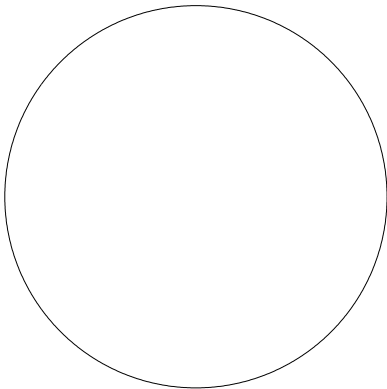
Dims	Options	Conn's
A=Diameter In	Diameter Type BE=Nominal	C1=None
B=Diameter Out	Diameter Type SE=Nominal	C2=None
C=Length	Cross Break=1	
D=Left Extension	Length Break=1	
E=Right Extension	Estimated Diameter %age=Not Used	
F=Angle	Seam For Weathering=No	
	Input=Length	
	Length Includes Extensions=No	
	Auto Oversize=Normal	
	Graining Angle=90.000	
	Insulate To Nodes=No	

Seams
S1=None

Damper: None
None

Pattern: 2060

Pipework



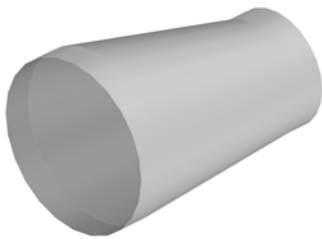
Dims	Options	Conn's
A=Diameter B=Collar	Diameter Type=Nominal	C1=None
C=Height		

Seams

Damper:

Pattern: 2071

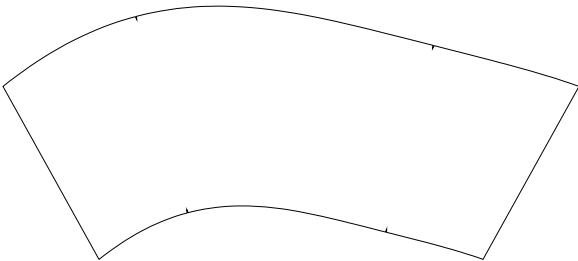
Pipework



Dims	Options	Conn's
A=Diameter In	Diameter Type BE=Nominal	C1=None
B=Diameter Out	Diameter Type SE=Nominal	C2=None
C=Length	Cross Break=1	
D=Y-Offset	Seam Position=0.000	
E=Left Extension	Length Break=1	
F=Right Extension	Estimated Diameter %age=Not Used	
G=Round Angle	Marker Type=Notch	
	Length Includes Extensions=No	
	Graining Angle=90.000	

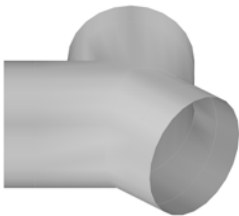
Seams
S1=None

Damper: None
None



Pattern: 2072

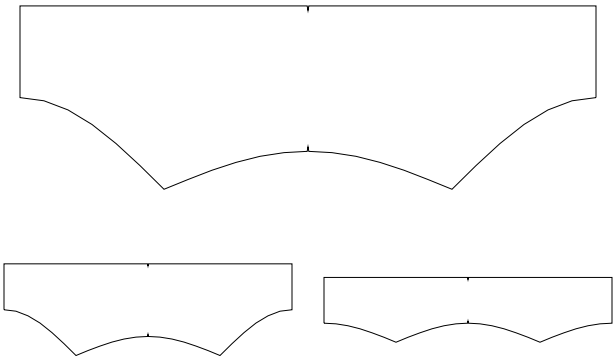
Pipework



Dims	Options	Conn's
A=Diameter	Diameter Type=Nominal	C1=None
B=Length In	Seam Position=0.000	C2=None
C=Length Out		C3=None
D=Angle		C4=None
E=Bottom Extension		C5=None
F=Left Extension		
G=Right Extension		

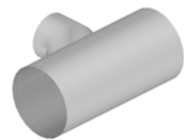
Seams
S1=None

Damper:



Pattern: 2082

Pipework

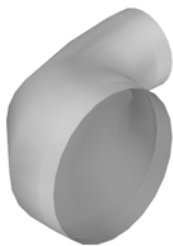


Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=None
B=Pipe Length	Branch Parts=1	C2=None
C=Left Extension	First Break=0.000	C3=None
D=Right Extension	Second Break=0.000	C4=None
E=Branch Diameter	Third Break=0.000	
F=Branch Length	Pipe Diameter Type=Nominal	
G=Angle	Branch Diameter Type=Nominal	
H=Inset	Hole Adjust=0.000	
I=Offset	Branch Allowance To Pipe=0.000	
J=Extension	Throat Cut Back (Degrees)=0.000	
K=Collar	Reducer Parts=1	
	Branch Inset=Front	
		Seams
		S1=None
		S2=None

Damper:

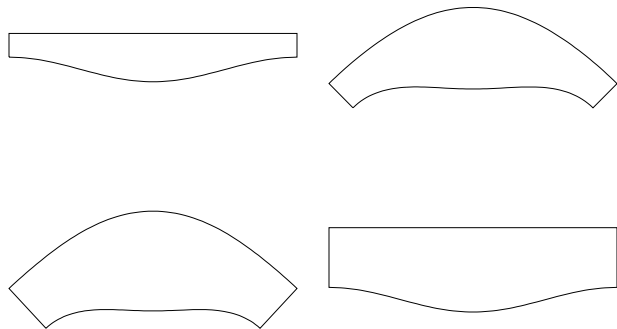
Pattern: 2097

Pipework



Dims	Options	Conn's
A=Bottom Diameter	Number Of Segments=4	C1=None
B=Top Diameter	Bottom Diameter Type=Nominal	C2=None
C=Centre Radius	Angle Tolerance=0.000	C3=None
D=Angle	Mark Sides=No	
E=Bottom Extension	Leg Lengths=No	
F=Top Extension	Square Outer Insulation=No	
	Outer Insulation Extensions=No	
	Splitters=0	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Splitter Shape=Angled	
	Splitter Type=Partial	
	Fixed Radius=Yes	
	Item Volume=Segmented	
		Seams
		S1=None

Damper: None
None



Pattern: 2108

Pipework



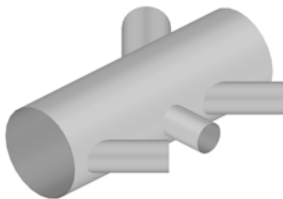
Dims	Options	Conn's
A=Diameter	Bend Radius=4.000	C1=None
B=Length	Factor Type=Multiples Of Diameter	C2=None
C=Lead Length	Max Length=0.000	
	Number Of Round Sections=12	
	Length=Auto	
	Length Adjust=0.000	
	Number Of Segments=Auto	
	Straight Annotation=Up	
	Bend Annotation=Front	
	Allowance=Default	

Seams

Damper:

Pattern: 2148

Pipework



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=None
B=Pipe Length	First Break=0.000	C2=None
C=Left Extension	Second Break=0.000	C3=None
D=Right Extension	Third Break=0.000	C4=None
E=Branch Diameter #1	Seam Position=0.000	C5=None
F=Branch Length #1	Pipe Diameter Type=Nominal	C6=None
G=Angle #1	Branch Type=Straight Branch	
H=Inset #1	Branch Diameter Type=Nominal	
I=Offset #1	Branch Parts=2	
J=Rotation #1	Branch Type=Straight Branch	
K=Extension #1	Branch Diameter Type=Nominal	
L=Branch Diameter #2	Branch Parts=1	
M=Branch Length #2	Branch Type=Straight Branch	
N=Angle #2	Branch Diameter Type=Nominal	
O=Inset #2	Branch Parts=1	
P=Offset #2	Branch Type=Straight Branch	
Q=Rotation #2	Branch Diameter Type=Nominal	
R=Extension #2	Branch Parts=1	
S=Branch Diameter #3	Hole Adjust=0.000	
T=Branch Length #3	Branch Allowance To Pipe=0.000	
U=Angle #3	Shoe Seam Position=Throat	
V=Inset #3	Handle Inline with Body=No	
W=Offset #3	Inlet=1	
X=Rotation #3	Outlet=2	
Y=Extension #3		
Z=Branch Diameter #4		
a=Branch Length #4		
b=Angle #4		
c=Inset #4		
d=Offset #4		
e=Rotation #4		

Seams

S1=None

S2=None

S3=None

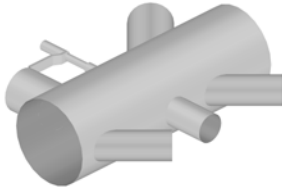
S4=None

S5=None

Damper:

Pattern: 2149

Pipework



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=None
B=Pipe Length	First Break=0.000	C2=None
C=Left Extension	Second Break=0.000	C3=None
D=Right Extension	Third Break=0.000	C4=None
E=Branch Diameter #1	Seam Position=0.000	C5=None
F=Branch Length #1	Pipe Diameter Type=Nominal	C6=None
G=Angle #1	Branch Type=Straight Branch	C7=None
H=Inset #1	Branch Diameter Type=Nominal	
I=Offset #1	Branch Parts=2	
J=Rotation #1	Branch Type=Straight Branch	
K=Extension #1	Branch Diameter Type=Nominal	
L=Branch Diameter #2	Branch Parts=1	
M=Branch Length #2	Branch Type=Straight Branch	
N=Angle #2	Branch Diameter Type=Nominal	
O=Inset #2	Branch Parts=1	
P=Offset #2	Branch Type=Straight Branch	
Q=Rotation #2	Branch Diameter Type=Nominal	
R=Extension #2	Branch Parts=1	
S=Branch Diameter #3	Hole Adjust=0.000	
T=Branch Length #3	Branch Allowance To Pipe=0.000	
U=Angle #3	Shoe Seam Position=Throat	
V=Inset #3	Branch Type=Straight Branch	
W=Offset #3	Branch Diameter Type=Nominal	
X=Rotation #3	Branch Parts=1	
Y=Extension #3	Handle=Yes	
Z=Branch Diameter #4	Handle Type=Square	
a=Branch Length #4	Diameter Adjust=0.000	
b=Angle #4	Handle Inline with Body=No	
c=Inset #4	Inlet=1	
d=Offset #4	Outlet=2	
e=Rotation #4		

Seams
S1=None
S2=None
S3=None
S4=None
S5=None
Damper:

Pattern: 2155

Pipework



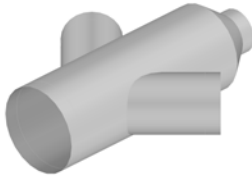
Dims	Options	Conn's
A=Diameter	Seam Position=0.000	C1=None
B=Height	Top Number Of Segments=2	C2=None
C=Top Radius	Bottom Number Of Segments=2	C3=None
D=Top Angle	Single Segments=Yes	
E=Top Extension	Diameter Type=Nominal	
F=Bottom Radius	Marker Type=Notch	
G=Bottom Angle	Angle Tolerance=0.000	
H=Bottom Extension	Two Bends=No	
I=Twist Angle	Top Number Of Segments=2	
	Bottom Number Of Segments=2	
	Item Pattern Length/Angle=Length	

Seams
S1=None

Damper:

Pattern: 2160

Pipework



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=None
B=Right Diameter	Branch Parts=1	C2=None
C=Pipe Length	First Break=0.000	C3=None
D=Right Length	Second Break=0.000	C4=None
E=Left Extension	Third Break=0.000	C5=None
F=Right Extension	Seam Position=0.000	
G=Branch Diameter #1	Pipe Diameter Type=Nominal	
H=Branch Length #1	Branch Diameter Type=Nominal	
I=Angle #1	Branch Diameter Type=Nominal	
J=Inset #1	Hole Adjust=0.000	
K=Offset #1	Branch Allowance To Pipe=0.000	
L=Extension #1	Branch Seam Position=0.000	
M=Branch Diameter #2	Throat Cut Back (Degrees)=0.000	
N=Branch Length #2	Right Diameter Type=Nominal	
O=Angle #2	Plate Border (Circumference)=0.000	
P=Inset #2	Plate Type=Rectangular	
Q=Offset #2	Estimated Diameter %age=Not Used	
R=Rotation #2	Cut Back Allowance (%)=0.000	
S=Extension #2	Use Pipe Seam For Branches=No	
	Plate Border (Length)=Auto	
	Inlet=1	
	Outlet=2	
	End Castle Width =0.000	
	End Castle Angle=30.000	
	Angle Tolerance=0.000	
	Insulate To Nodes=Auto	

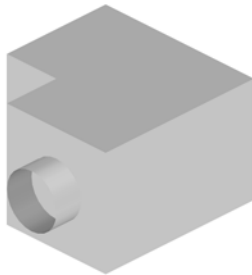
Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 2182

Pipework



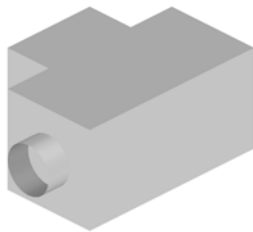
Dims	Options	Conn's
A=Depth	Lengths Include Extensions=No	C1=None
B=Top Width	Inlet=1	C2=None
C=Top Length	Outlet=2	
D=Top Diameter	Connector 1=Top	
E=Top Extension		
F=Left Width		
G=Left Length		
H=Left Diameter		
I=Left Extension		
J=Right Extension		
K=Bottom Extension		
L=Top Diameter		
M=Left Diameter		

Seams

Damper:

Pattern: 2183

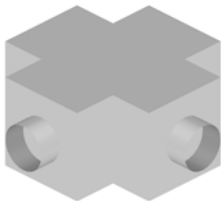
Pipework



Dims	Options	Conn's
A=Depth	Lengths Include Extensions=No	C1=None
B=Top Width	Inlet=1	C2=None
C=Top Length	Outlet=2	C3=None
D=Top Diameter	Connector 1=Top	
E=Top Extension		
F=Left Width		
G=Left Length		
H=Left Diameter		
I=Left Extension		
J=Right Width		
K=Right Length		
L=Right Diameter		Seams
M=Right Extension		
N=Bottom Extension		
O=Top Diameter		
P=Left Diameter		
Q=Right Diameter		
Damper:		

Pattern: 2184

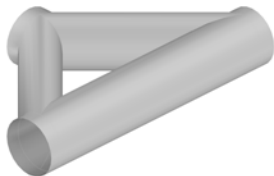
Pipework



Dims	Options	Conn's
A=Depth	Lengths Include Extensions=No	C1=None
B=Top Width	Inlet=1	C2=None
C=Top Length	Outlet=2	C3=None
D=Top Diameter	Connector 1=Top	C4=None
E=Top Extension		
F=Left Width		
G=Left Length		
H=Left Diameter		
I=Left Extension		
J=Right Width		
K=Right Length		
L=Right Diameter		Seams
M=Right Extension		
N=Bottom Width		
O=Bottom Length		
P=Bottom Diameter		
Q=Bottom Extension		
R=Top Diameter		Damper:
S=Left Diameter		
T=Right Diameter		
U=Bottom Diameter		

Pattern: 2185

Pipework



Dims	Options	Conn's
A=Diameter	Inlet=1	C1=None
B=Top Diameter	Outlet=2	C2=None
C=Length		C3=None
D=Height		
E=Left Extension		
F=Right Extension		
G=Top Extension		

Seams
S1=None

Damper:

Pattern: 2186

Pipework



Dims	Options	Conn's
A=Diameter	Type=Right	C1=None
B=Length	Radius=Inner	C2=None
C=Height	Inlet=1	
D=Left Extension	Outlet=2	
E=Right Extension		
F=Radius		

Seams
S1=None

Damper:

Pattern: 2187

Pipework



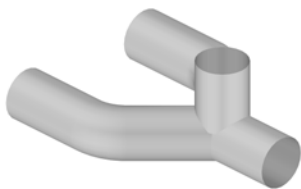
Dims	Options	Conn's
A=Diameter	Radius=Inner	C1=None
B=Length	Inlet=1	C2=None
C=Height	Outlet=2	C3=None
D=Bend Inset		C4=None
E=Left Inset		
F=Right Inset		
G=Radius		
H=Front Left Diameter		
I=Front Left Length		
J=Front Right Diameter		
K=Front Right Length		

Seams
S1=None

Damper:

Pattern: 2188

Pipework



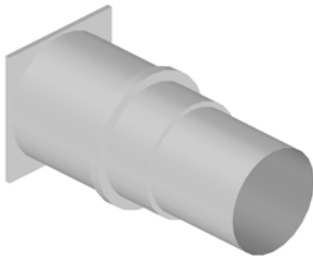
Dims	Options	Conn's
A=Diameter	Type=Double	C1=None
B=Width	Radius=Inner	C2=None
C=Length	Inlet=1	C3=None
D=Btm Length	Outlet=2	C4=None
E=Depth		
F=Radius		

Seams
S1=None

Damper:

Pattern: 2189

Pipework



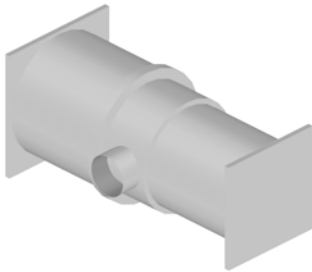
Dims	Options	Conn's
A=Bottom Width	Vertical=No	C1=None
B=Bottom Depth	Pattern=None	C2=None
C=Bottom Diameter	Inlet=2	
D=Middle Diameter #1	Outlet=1	
E=Middle Diameter #2		
F=Top Diameter		
G=Top Width		
H=Top Depth		
I=Bottom Height		
J=Middle Height #1		
K=Middle Height #2		
L=Top Height		
M=Bottom Thickness		
N=Top Thickness		
O=Lines		

Seams

Damper:

Pattern: 2190

Pipework



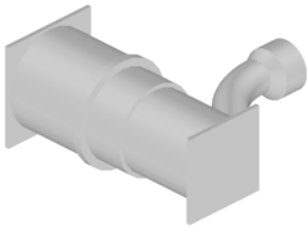
Dims	Options	Conn's
A=Bottom Width	Vertical=No	C1=None
B=Bottom Depth	Pattern=None	C2=None
C=Bottom Diameter	Inlet=2	
D=Middle Diameter #1	Outlet=1	
E=Middle Diameter #2		
F=Top Diameter		
G=Top Width		
H=Top Depth		
I=Bottom Height		
J=Middle Height #1		
K=Middle Height #2		
L=Top Height		
M=Bottom Thickness		
N=Top Thickness		
O=Left Diameter		
P=Left Length		
Q=Lines		

Seams

Damper:

Pattern: 2191

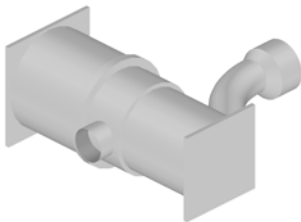
Pipework



Dims	Options	Conn's
A=Bottom Width	Vertical=No	C1=None
B=Bottom Depth	Pattern=None	C2=None
C=Bottom Diameter	Inlet=2	
D=Middle Diameter #1	Outlet=1	
E=Middle Diameter #2		
F=Top Diameter		
G=Top Width		
H=Top Depth		
I=Bottom Height		
J=Middle Height #1		
K=Middle Height #2		
L=Top Height		Seams
M=Bottom Thickness		
N=Top Thickness		
O=Right Diameter #1		
P=Right Length #1		
Q=Right Diameter #2		
R=Right Length #2		Damper:
S=Right Inset		
T=Right Offset		
U=Right Centre Inset		
V=Right Centre Offset		
W=Right Radius		
X=Right Angle		
Y=Lines		

Pattern: 2192

Pipework



Dims	Options	Conn's
A=Bottom Width	Vertical=No	C1=None
B=Bottom Depth	Pattern=None	C2=None
C=Bottom Diameter	Inlet=2	C3=None
D=Middle Diameter #1	Outlet=1	
E=Middle Diameter #2		
F=Top Diameter		
G=Top Width		
H=Top Depth		
I=Bottom Height		
J=Middle Height #1		
K=Middle Height #2		
L=Top Height		Seams
M=Bottom Thickness		
N=Top Thickness		
O=Left Diameter		
P=Left Length		
Q=Right Diameter #1		
R=Right Length #1		Damper:
S=Right Diameter #2		
T=Right Length #2		
U=Right Inset		
V=Right Offset		
W=Right Centre Inset		
X=Right Centre Offset		
Y=Right Radius		
Z=Right Angle		
a=Lines		

Pattern: 2193

Pipework



Dims	Options	Conn's
A=Diameter	Radius=Inner	C1=None
B=Length	Inlet=1	C2=None
C=Height	Outlet=2	C3=None
D=Bend Inset		
E=Left Inset		
F=Radius		
G=Front Left Diameter		
H=Front Left Length		

Seams
S1=None

Damper:

Pattern: 2194

Pipework



Dims	Options	Conn's
A=Diameter	Radius=Inner	C1=None
B=Length	Inlet=1	C2=None
C=Height	Outlet=2	C3=None
D=Bend Inset		
E=Right Inset		
F=Radius		
G=Front Right Diameter		
H=Front Right Length		

Seams
S1=None

Damper:

Pattern: 2195

Pipework



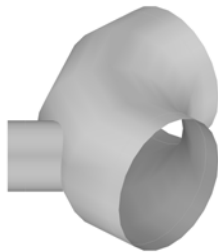
Dims	Options	Conn's
A=Diameter	Radius=Inner	C1=None
B=Length	Inlet=1	C2=None
C=Height	Outlet=2	
D=Bend Inset		
E=Radius		

Seams
S1=None

Damper:

Pattern: 2326

Pipework



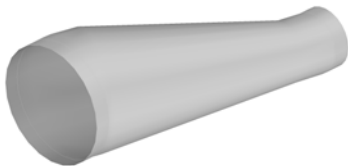
Dims	Options	Conn's
A=Bottom Diameter	Number Of Segments=4	C1=None
B=Top Diameter	Pipe Diameter Type=Nominal	C2=None
C=Inner Radius	Branch Diameter Type=Nominal	C3=None
D=Angle	Tap Segment=2	C4=None
E=Bottom Extension	Middle Segment=Yes	
F=Top Extension	Angle Tolerance=0.000	
G=Branch Diameter	Reducing Branch=0.000	
H=Branch Length	Rotation=0.000	
I=Branch Angle	Branch Only=No	
J=Branch Extension	Inlet=2	
K=Branch Offset	Outlet=3	
	Full Intersections=No	
	Item Volume=Segmented	

Seams
S1=None
S2=None

Damper:

Pattern: 2386

Pipework



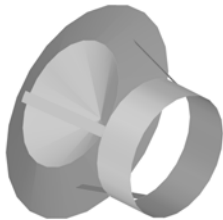
Dims	Options	Conn's
A=Left Diameter	Seam Position=0.000	C1=None
B=Right Diameter	Left Diameter Type=Nominal	C2=None
C=Length	Right Diameter Type=Nominal	C3=None
D=Offset	Cross Break=1	
E=Left Collar	Marker Type=Notch	
F=Right Collar	Seam Position=Angled	
G=Inner Radius	Stitch Gap=0.000	
	Number Of Stitches=4	
	Seam Cuts=Straight	

Seams
S1=None

Damper: None
None

Pattern: 2388

Pipework



Dims	Options	Conn's
A=Outer Diameter	Number Of Struts=3	C1=None
B=Length	Allowance To Pipe=25.000	
C=Height	Allowance To Hood=25.000	
D=Pipe Diameter	Hole Diameter=0.000	
E=Pipe Length	Number Of Holes=0	
F=Inner Diameter	Hole Inset=0.000	
G=Inner Length	Strut Hole Width=0.000	
H=Hole Diameter	Strut Hole Length Adjust=0.000	
I=Angle	Insertion Point=Default	
J=Strut Width	Rotation=Default	

Seams
S1=None

Damper:

Pattern: 2522

Pipework



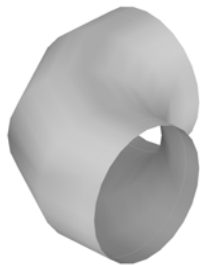
Dims	Options	Conn's
A=Diameter	Sex Type=Male	C1=None
B=Collar	Number of Sides=0	C2=None
C=Length	Back Fillet=0.000	
D=Offset	Front Fillet=0.000	
E=Right Collar	Width=0.000	
F=Right Diameter	Depth=0.000	
	Height=0.000	
	Height=0.000	
	Width=0.000	
	Depth=0.000	
	Quantity=2	
	Straight=Yes	
	Length=0.000	
	Angle=0.000	
	Chamfer=Auto	

Seams
S1=None

Damper:

Pattern: 2523

Pipework



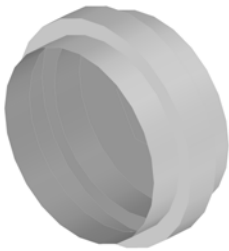
Dims	Options	Conn's
A=Diameter	Number Of Segments=4	C1=None
B=Inner Radius	Diameter Type=Nominal	C2=None
C=Angle	Angle Tolerance=0.000	C3=None
D=Bottom Extension	Mark Sides=No	
E=Top Extension	Leg Lengths=No	
	Fixing Holes On Extension=Yes	
	Square Outer Insulation=No	
	Outer Insulation Extensions=No	
	Splitters=0	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Splitter Shape=Angled	
	Splitter Type=Partial	
	Centreline Length With Extensions=No	
	Inlet=2	
	Outlet=3	
	Item Volume=Segmented	

Seams
S1=None

Damper: None
None

Pattern: 2524

Pipework



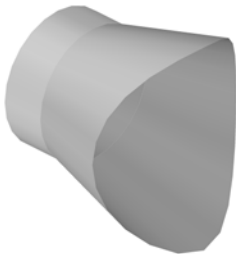
Dims	Options	Conn's
A=Diameter	Sex Type=Male	C1=None
B=Collar	Number of Sides=0	
C=Length	Back Fillet=0.000	
D=Offset	Front Fillet=0.000	
E=Right Collar	Width=0.000	
F=Right Diameter	Depth=0.000	
G=Nut Diameter	Height=0.000	
H=Hex Length	Height=0.000	
	Width=0.000	
	Depth=0.000	
	Quantity=2	
	Straight=Yes	
	Length=0.000	
	Angle=0.000	
	Chamfer=Auto	

Seams
S1=None

Damper:

Pattern: 2751

Pipework



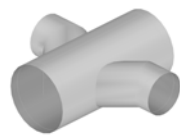
Dims	Options	Conn's
A=Pipe Diameter	Branch Parts=1	C1=None
B=Branch Diameter	Seam Position=0.000	C2=None
C=Branch Length	Pipe Diameter Type=Nominal	C3=None
D=Angle	Branch Diameter Type=Nominal	
E=Collar	Hole Adjust=0.000	
F=Btm Width	Branch Allowance To Pipe=0.000	
	Branch Seam Position=0.000	
	Plate Border=0.000	
	Plate Type=Rectangular	
	Input=Angle	
	Plate Border (Width)=Auto	
	Reducer Parts=1	

Seams
S1=None
S2=None

Damper: None
None
None

Pattern: 2814

Pipework



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=None
B=Pipe Length	Branch Parts=1	C2=None
C=Left Extension	First Break=0.000	C3=None
D=Right Extension	Second Break=0.000	C4=None
E=Branch Diameter	Third Break=0.000	C5=None
F=Branch Length	Seam Position=0.000	C6=None
G=Angle	Pipe Diameter Type=Nominal	
H=Inset	Branch Diameter Type=Nominal	
I=Offset	Branch Diameter Type=Nominal	
J=Rotation	Hole Adjust=0.000	
K=Extension	Branch Allowance To Pipe=0.000	
L=Collar	Throat Cut Back (Degrees)=0.000	
M=Branch Diameter	Reducer Parts=1	
N=Branch Length	Branch Inset=Front	
O=Angle		
P=Inset		
Q=Offset		
R=Rotation		
S=Extension		
T=Collar		

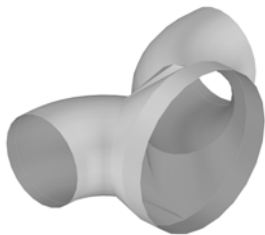
Seams

S1=None
S2=None
S3=None

Damper:

Pattern: 2821

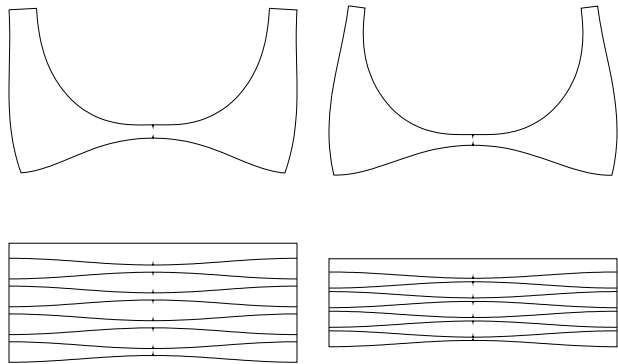
Pipework



Dims	Options	Conn's
A=Bottom Diameter	Bottom Diameter Type=Nominal	C1=Spiral Raw
B=Right Diameter	Right Diameter Type=Nominal	C2=None
C=Left Diameter	Left Diameter Type=Nominal	C3=None
D=Right Radius	Number Of Segments=8	C4=Spiral Raw
E=Left Radius	Number Of Segments=8	C5=None
F=Right Angle	Inlet=1	C6=None
G=Left Angle	Outlet=2	
H=Bottom Extension		
I=Right Extension		
J=Left Extension		

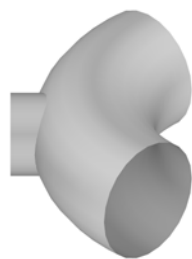
Seams
S1=None

Damper:



Pattern: 2857

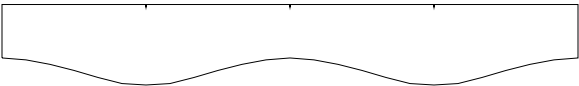
Pipework



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=None
B=Centre Radius	Branch Diameter Type=Nominal	C2=None
C=Branch Diameter	Rotation=Top	C3=None
D=Branch Length	Angle Tolerance=0.000	
E=Bottom Extension	Leg Lengths=No	
F=Top Extension		
G=Angle		
H=Rotation		
I=Bend Angle		
J=Inner Radius		

Seams

Damper:



Pattern: 2873

Pipework



Dims	Options	Conn's
A=Diameter	Spacing=50.000	C1=None
B=Length	Diameter Ratio=1.100	C2=None
C=Item Centre Line Length	Max Length=0.000	
	Draw as Single Line=No	
	Number Of Round Sections=12	

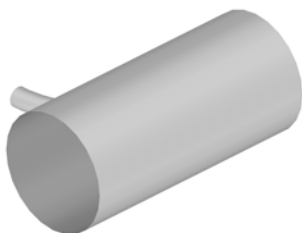
Seams

Damper:

Pipework

[illegible]

Pipework



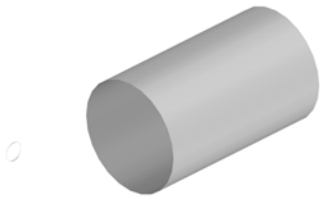
Dims	Options	Conn's
A=Pipe Diameter	Type=Supply	C1=None
B=Branch Diameter	Angle Tolerance=0.000	C2=None
C=Branch Length	Inlet=2	
D=Angle	Outlet=1	
E=Collar	Branch Centreline Length With Collar=No	
	Number Of Segments=12	

Seams

Damper:

Pattern: 2882

Pipework



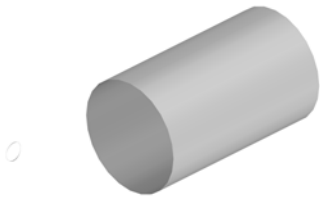
Dims	Options	Conn's
A=Pipe Diameter	Type=Supply	C1=None
B=Branch Diameter #1	Rotation=0.000	C2=None
C=Branch Length #1	Angle Tolerance=0.000	C3=None
D=Pipe Length	Inlet=2	C4=None
E=Inset #1	Outlet=3	C5=None
F=Left Collar	Number Of Segments=12	
G=Right Collar		
H=Angle #1		
I=Collar #1		
J=Branch Diameter #2		
K=Branch Length #2		
L=Branch Inset #2		
M=Collar #2		
N=Rotation #2		
O=Branch Diameter #3		
P=Branch Length #3		
Q=Branch Inset #3		
R=Collar #3		
S=Rotation #3		

Seams

Damper:

Pattern: 2883

Pipework



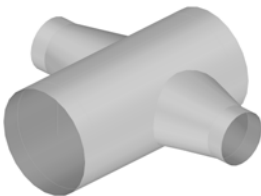
Dims	Options	Conn's
A=Pipe Diameter	Type=Supply	C1=None
B=Branch Diameter #1	Rotation=0.000	C2=None
C=Branch Length #1	Angle Tolerance=0.000	C3=None
D=Pipe Length	Inlet=1	C4=None
E=Inset #1	Outlet=2	C5=None
F=Left Collar	Number Of Segments=12	
G=Right Collar		
H=Angle #1		
I=Collar #1		
J=Branch Diameter #2		
K=Branch Length #2		
L=Branch Inset #2		
M=Collar #2		
N=Rotation #2		
O=Branch Diameter #3		
P=Branch Length #3		
Q=Branch Inset #3		
R=Collar #3		
S=Rotation #3		

Seams

Damper:

Pattern: 2884

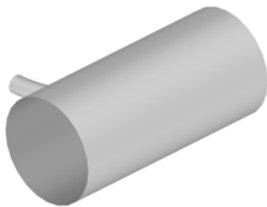
Pipework



Dims	Options	Conn's
A=Pipe Diameter	Pipe Parts=1	C1=None
B=Pipe Length	Branch Parts=1	C2=None
C=Left Extension	Pipe Seam Position=0.000	C3=None
D=Right Extension	First Break=0.000	C4=None
E=Branch Diameter #1	Second Break=0.000	
F=Hole Width #1	Third Break=0.000	
G=Hole Depth #1	Pipe Diameter Type=Nominal	
H=Branch Length #1	Branch Diameter Type=Nominal	
I=Angle #1	Hole Adjust=0.000	
J=Inset #1	Branch Allowance To Pipe=0.000	
K=Offset #1	Branch Seam Position=0.000	
L=Rotation #1	Plate Border=0.000	Seams
M=Collar #1	Plate Border (Width)=Equal	S1=None
N=Hole Offset #1	Plate Type=Rectangular	S2=None
O=Branch Diameter #2	Inlet=1	
P=Hole Width #2	Outlet=2	
Q=Hole Depth #2		
R=Branch Length #2		Damper:
S=Angle #2		
T=Inset #2		
U=Offset #2		
V=Rotation #2		
W=Collar #2		
X=Hole Offset #2		

Pattern: 2885

Pipework



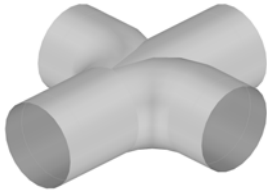
Dims	Options	Conn's
A=Pipe Diameter	Type=Supply	C1=None
B=Branch Diameter #1	Angle Tolerance=0.000	C2=None
C=Branch Length #1	Inlet=2	
D=Angle #1	Outlet=1	
E=Collar #1	Number Of Segments=12	

Seams

Damper:

Pattern: 2886

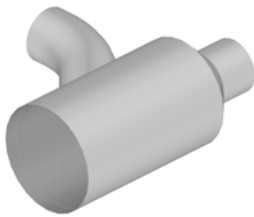
Pipework



Dims	Options	Conn's
A=Pipe Diameter	Access Panel=No	C1=None
B=Pipe Length	Inlet=1	C2=None
C=Left Extension	Outlet=2	C3=None
D=Right Extension	Angle Tolerance=0.000	C4=None
E=Branch Diameter #1	Number Of Segments=Auto	
F=Branch Length #1		
G=Branch Angle #1		
H=Branch Inset #1		
I=Branch Radius #1		
J=Branch Extension #1		
K=Branch Rotation #1		
L=Branch Diameter #2		Seams
M=Branch Length #2		
N=Branch Angle #2		
O=Branch Inset #2		
P=Branch Radius #2		
Q=Branch Extension #2		
R=Branch Rotation #2		Damper:

Pattern: 2899

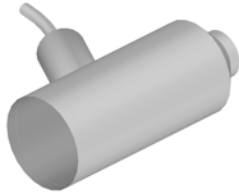
Pipework



Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=None
B=Partial Length	Pipe Seam Position=180.000	C2=None
C=Left Extension	Pipe Parts=1	C3=None
D=Right Extension	First Break=0.000	C4=None
E=Branch Diameter	Second Break=0.000	C5=None
F=Branch Angle	Third Break=0.000	
G=Branch Inset	Branch Diameter Type=Nominal	
H=Bend Inset	Branch Seam Position=0.000	
I=Branch Height	Cross Break=1	
J=Bend Extension	Number Of Segments=8	
K=End Reducer Diameter	Nest Break Start Segment=0	Seams
L=End Reducer Length	Nest Break End Segment=0	S1=None
M=Branch Reducer Diam...	Marker Type=Notch	S2=None
N=Branch Reducer Length	Hole Adjust=0.000	
	Notch Angle For Seam=0	
	Stitch Gap=0.000	
	Number Of Stitches=4	
	Branch Allowance To Pipe=0.000	Damper:
	Inlet=1	
	Outlet=2	
	Angle Tolerance=0.000	

Pattern: 2900

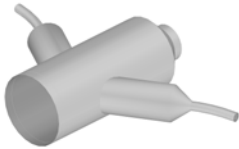
Pipework



Dims	Options	Conn's
A=Pipe Diameter	Diameter Type=Outside	C1=None
B=Partial Length	Number Of Segments=4	C2=None
C=Left Extension	Inlet=1	C3=None
D=Right Extension	Outlet=2	
E=Reducer Diameter	Angle Tolerance=0.000	
F=Reducer Length	Input=Partial Length	
G=Branch Reducer Diamo	Lengths Include Collars=Yes	
H=Branch Reducer Leng		
I=Branch Diameter #2		
J=Branch Length #2		
K=Branch Angle #2		
L=Branch Height #2		
M=Branch Inset #2		
N=Bend Inset #2		
O=Bend Radius #2		
P=Bend Angle #2		
Q=Bend Extension #2		
		Seams
		Damper:

Pattern: 2901

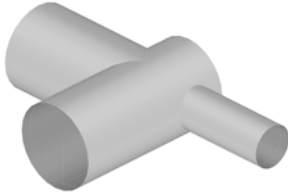
Pipework



Dims	Options	Conn's
A=Pipe Diameter	Diameter Type=Outside	C1=None
B=Partial Length	Number Of Segments=4	C2=None
C=Left Extension	Inlet=1	C3=None
D=Right Extension	Outlet=2	C4=None
E=Reducer Diameter	Angle Tolerance=0.000	
F=Reducer Length	Input=Partial Length	
G=Branch Reducer Diamo	Lengths Include Collars=Yes	
H=Branch Reducer Leng		
I=Branch Diameter #1		
J=Branch Length #1		
K=Branch Angle #1		
L=Branch Height #1		
M=Branch Inset #1		
N=Bend Inset #1		
O=Bend Radius #1		
P=Bend Angle #1		
Q=Bend Extension #1		
R=Branch Reducer Diamo		
S=Branch Reducer Leng		
T=Branch Diameter #2		
U=Branch Length #2		
V=Branch Angle #2		
W=Branch Height #2		
X=Branch Inset #2		
Y=Bend Inset #2		
Z=Bend Radius #2		
a=Bend Angle #2		
b=Bend Extension #2		
		Seams
		Damper:

Pattern: 2938

Pipework



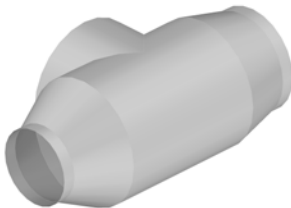
Dims	Options	Conn's
A=Pipe Diameter	Pipe Diameter Type=Nominal	C1=None
B=Pipe Length	Pipe Seam Position=180.000	C2=None
C=Left Extension	Pipe Parts=1	C3=None
D=Right Extension	First Break=0.000	C4=None
E=Branch Diameter #1	Second Break=0.000	C5=None
F=Centre Radius #1	Third Break=0.000	
G=Angle #1	Branch Diameter Type=Nominal	
H=Inset #1	Branch Seam Position=0.000	
I=Height #1	Cross Break=1	
J=Twist Angle #1	Number Of Segments=4	
K=Extension #1	Nest Break Start Segment=0	
L=Branch Diameter #2	Nest Break End Segment=0	
M=Centre Radius #2	Marker Type=Notch	
N=Angle #2	Hole Adjust=0.000	
O=Inset #2	Notch Angle For Seam=0	
P=Height #2	Stitch Gap=0.000	
Q=Twist Angle #2	Number Of Stitches=4	
R=Extension #2	Branch Allowance To Pipe=0.000	
	Correct Branch Insets=Yes	
	Insets To Branch End=No	
	Heights To Bend End=No	
	Inlet=1	
	Outlet=2	
	Angle Tolerance=0.000	

Seams
S1=None
S2=None

Damper:

Pattern: 2965

Pipework



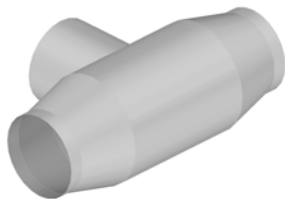
Dims	Options	Conn's
A=Top Diameter	Inlet=1	C1=None
B=Top Extension	Outlet=2	C2=None
C=Left Diameter	Lengths Include Extensions=No	C3=None
D=Left Length	Body Diameter=Top Diameter	C4=None
E=Left Offset	Central=No	C5=None
F=Left Inset		
G=Left Extension		
H=Right Diameter		
I=Right Length		
J=Right Offset		
K=Right Inset		
L=Right Extension		
M=Left Collar		
N=Right Collar		
O=Body Diameter		

Seams
S1=None
S2=None
S3=None

Damper:

Pattern: 2966

Pipework



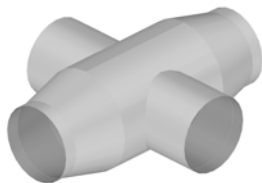
Dims	Options	Conn's
A=Left Diameter	Lengths Include Collars=Yes	C1=None
B=Left Length	Inlet=2	C2=None
C=Left Reducer Length	Outlet=3	C3=None
D=Left Collar	Angle Tolerance=0.000	C4=None
E=Left Extension		
F=Right Diameter		
G=Right Length		
H=Right Reducer Length		
I=Right Collar		
J=Right Extension		
K=Body Diameter		
L=Branch Diameter		
M=Branch Length		
N=Branch Collar		
O=Branch Angle		

Seams

Damper:

Pattern: 2967

Pipework



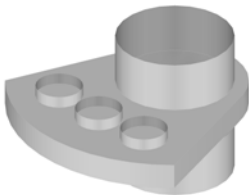
Dims	Options	Conn's
A=Left Diameter	Lengths Include Collars=Yes	C1=None
B=Left Length #1	Inlet=2	C2=None
C=Left Length #2	Outlet=3	C3=None
D=Left Reducer Length	Angle Tolerance=0.000	C4=None
E=Left Collar		C5=None
F=Left Extension		
G=Right Diameter		
H=Right Length		
I=Right Reducer Length		
J=Right Collar		
K=Right Extension		
L=Body Diameter		
M=Branch Diameter #1		
N=Branch Length #1		
O=Branch Collar #1		
P=Branch Angle #1		
Q=Branch Diameter #2		
R=Branch Length #2		
S=Branch Collar #2		
T=Branch Angle #2		

Seams

Damper:

Pattern: 2979

Pipework



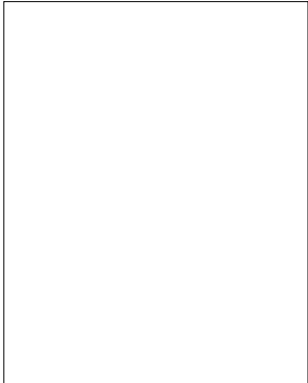
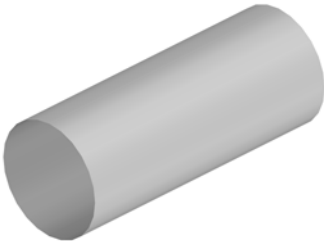
Dims	Options	Conn's
A=Diameter		C1=None
B=Distance		C2=None
C=Distance		C3=None
D=Radius		C4=None
E=Width		C5=None
F=Top Collar		
G=Bottom Collar		
H=Height		
I=Height		
J=Hole Diameter		
K=Hole Diameter		
L=Hole Diameter		
M=Distance		
N=Distance		
O=Distance		
P=Hole Angle		
Q=Hole Angle		
R=Hole Angle		
S=Height		

Seams

Damper:

Pattern: 3041

Pipework



Dims	Options	Conn's
A=Diameter	Seam Position=0.000	C1=None
B=Length	Diameter Type=Nominal	C2=None
C=Left Extension	Lengths Include Connector Adjust=No	
D=Right Extension	Pipe Parts=1	
	First Break=0.000	
	Second Break=0.000	
	Third Break=0.000	

Seams

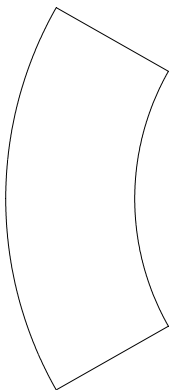
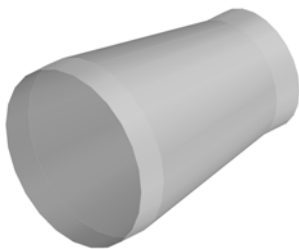
S1=None

Damper: None

None

Pattern: 3051

Pipework



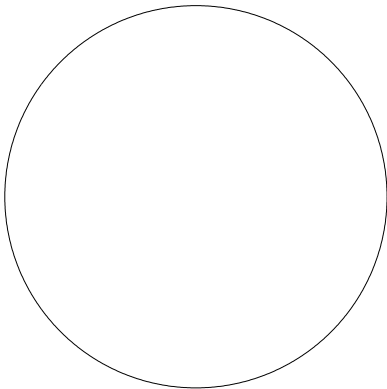
Dims	Options	Conn's
A=Diameter In	Diameter Type BE=Nominal	C1=None
B=Diameter Out	Diameter Type SE=Nominal	C2=None
C=Length	Cross Break=1	
D=Left Extension	Length Break=1	
E=Right Extension	Estimated Diameter %age=Not Used	
F=Angle	Seam For Weathering=No	
	Input=Length	
	Length Includes Extensions=No	
	Auto Oversize=Normal	
	Graining Angle=90.000	

Seams
S1=None

Damper: None
None

Pattern: 3060

Pipework



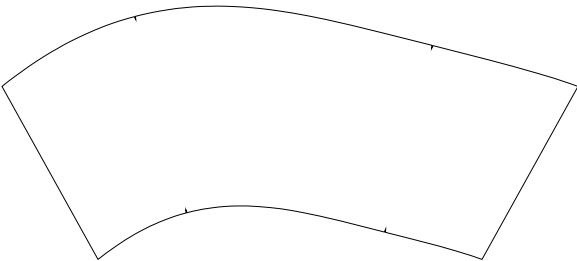
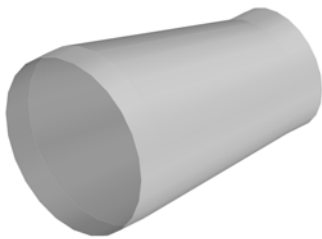
Dims	Options	Conn's
A=Diameter B=Collar	Diameter Type=Nominal	C1=None
C=Height		

Seams

Damper:

Pattern: 3071

Pipework



Dims	Options	Conn's
A=Diameter In	Diameter Type BE=Nominal	C1=None
B=Diameter Out	Diameter Type SE=Nominal	C2=None
C=Length	Cross Break=1	
D=Y-Offset	Seam Position=0.000	
E=Left Extension	Length Break=1	
F=Right Extension	Estimated Diameter %age=Not Used	
G=Round Angle	Marker Type=Notch	
	Length Includes Extensions=No	
	Graining Angle=90.000	

Seams
S1=None

Damper: None
None

Pattern: 3108

Pipework



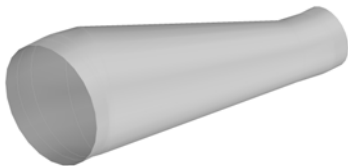
Dims	Options	Conn's
A=Diameter	Bend Radius=4.000	C1=None
B=Length	Factor Type=Multiples Of Diameter	C2=None
C=Lead Length	Max Length=0.000	
	Number Of Round Sections=12	
	Length=Auto	
	Length Adjust=0.000	
	Number Of Segments=Auto	
	Straight Annotation=Up	
	Bend Annotation=Front	
	Allowance=Default	

Seams

Damper:

Pattern: 3386

Pipework



Dims	Options	Conn's
A=Left Diameter	Seam Position=0.000	C1=None
B=Right Diameter	Left Diameter Type=Nominal	C2=None
C=Length	Right Diameter Type=Nominal	C3=None
D=Offset	Cross Break=1	
E=Left Collar	Marker Type=Notch	
F=Right Collar	Seam Position=Angled	
G=Inner Radius	Stitch Gap=0.000	
	Number Of Stitches=4	
	Seam Cuts=Straight	

Seams
S1=None

Damper: None
None

Pattern: 3522

Pipework



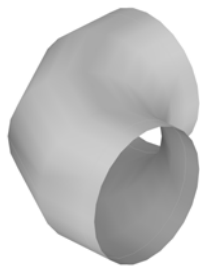
Dims	Options	Conn's
A=Diameter	Sex Type=Male	C1=None
B=Collar	Number of Sides=0	C2=None
C=Length	Back Fillet=0.000	
D=Offset	Front Fillet=0.000	
E=Right Collar	Width=0.000	
F=Right Diameter	Depth=0.000	
	Height=0.000	
	Height=0.000	
	Width=0.000	
	Depth=0.000	
	Quantity=2	
	Straight=Yes	
	Length=0.000	
	Angle=0.000	
	Chamfer=Auto	

Seams
S1=None

Damper:

Pattern: 3523

Pipework



Dims	Options	Conn's
A=Diameter	Number Of Segments=4	C1=None
B=Inner Radius	Diameter Type=Nominal	C2=None
C=Angle	Angle Tolerance=0.000	C3=None
D=Bottom Extension	Mark Sides=No	
E=Top Extension	Leg Lengths=No	
	Fixing Holes On Extension=Yes	
	Square Outer Insulation=No	
	Outer Insulation Extensions=No	
	Splitters=0	
	Splitter Radius=Auto	
	Splitter Adjust=0.000	
	Splitter Shape=Angled	
	Splitter Type=Partial	
	Item Volume=Segmented	

Seams
S1=None

Damper: None
None

Pattern: 3873

Pipework



Dims	Options	Conn's
A=Diameter	Spacing=50.000	C1=None
B=Length	Diameter Ratio=1.100	C2=None
C=Item Centre Line Length	Max Length=0.000	
	Draw as Single Line=No	
	Number Of Round Sections=12	

Seams

Damper:

Pattern: 4522

Rectangular



Dims	Options	Conn's
A=Width	Sex Type=Male	C1=TDC
B=Depth	Type=Auto	C2=TDC
C=Length	Open Top/Sides=No	
D=Extension	Pattern=None	
E=Right Extension		
F=Wire X Spacing		
G=Wire Y Spacing		

Seams

Damper: