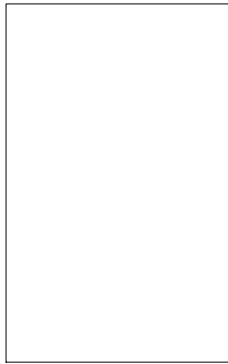
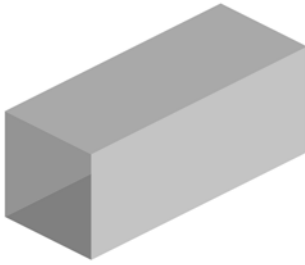


Pattern: 1

Rectangular



| 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 | |
| | | 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 | |

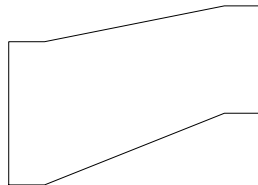
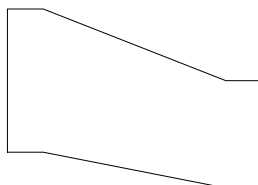
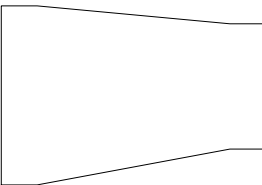
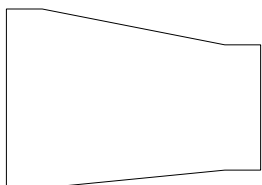
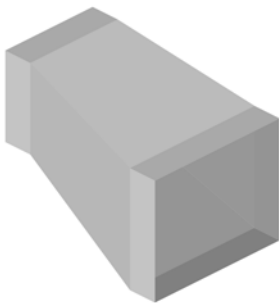
Seams

S1=None

Damper:

Pattern: 2

Rectangular/Fabrication



| Dims | | Options | Conn's |
|-----------------|--|-------------------------|--------------------------------|
| A=Width In | | 2 Parts=No | Fixing Holes on Tur... C1=None |
| B=Depth In | | 3 Parts=No | Seam Cut Back=0.0... C2=None |
| C=Width Out | | Vee Depth Male=A... | |
| D=Depth Out | | Vee Depth Female=... | |
| E=Length | | Vee Notch Angle=2... | |
| F=Extension In | | Taper Notch If Strai... | |
| G=Extension Out | | Female Allow=Shor... | |
| H=Offset Width | | 2-Sided Part Allowa... | |
| I=Offset Depth | | Offset Width=Left In | |
| J=Angle | | Offset Depth=Botto... | |
| | | Taper Notch If Strai... | |
| | | Use Taper Notch F... | |
| | | Connector Fold Not... | |
| | | Vee Notch Depth=... | |
| | | Vee Notch Angle=3... | |
| | | Input=Length | |
| | | Vee Notch Depth If... | |
| | | Maximum Angle=1... | |
| | | Splitter Turnover=0... | |
| | | Splitter Extension=... | |
| | | Splitter Adjust=0.000 | |
| | | Connector Fold Not... | |
| | | Vee Notch Depth=... | |
| | | Vee Notch Angle=3... | |
| | | Splitter Hole Diamo... | |
| | | Number Of Holes=... | |
| | | Splitters=Half | |
| | | Hole Inset=0.000 | |

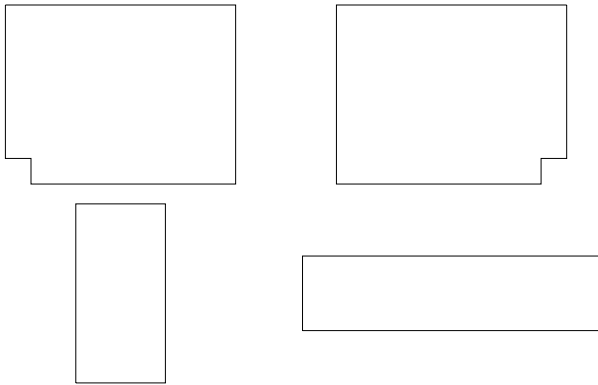
Seams

S1=None

Damper:

Pattern: 3

Rectangular



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Top Width | Length Adjust For Part 4=0.000 | C1=None |
| B=Depth | Length Adjust For Part 3=0.000 | C2=None |
| 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 | |
| | Insulation Parts=Same | |

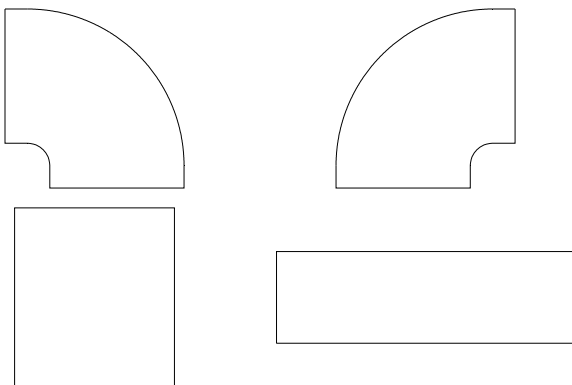
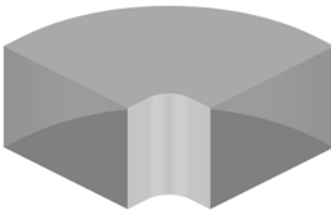
Seams

S1=None
S2=None

Damper:

Pattern: 4

Rectangular



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Width | Throat Type=Radius | C1=None |
| B=Depth | Length Adjust For Part 4=0.000 | C2=None |
| 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 | |

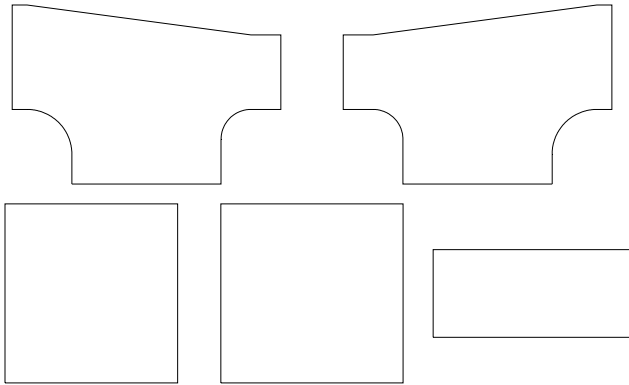
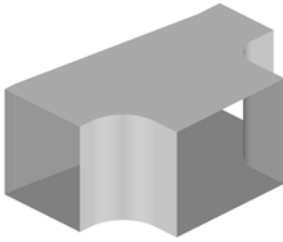
Seams

S1=None

Damper:

Pattern: 5

Rectangular



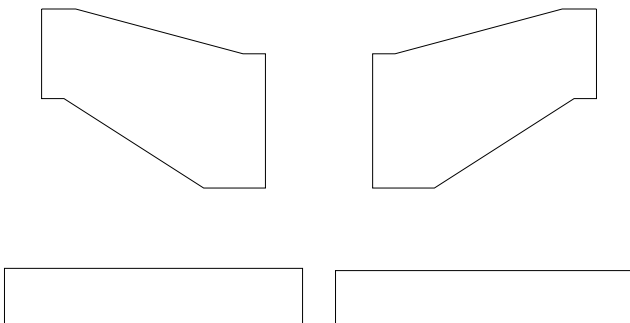
| Dims | Options | Conn's |
|-----------------------|------------------------|---------|
| A=Btm Width | Throat Type=Radius | C1=None |
| B=Depth | 3 Parts=No | C2=None |
| C=Left Width | Vee Depth Male=Auto | C3=None |
| D=Right Width | Vee Depth Female=Auto | |
| E=Right Radius | Vee Notch Angle=30.000 | |
| 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 | |

Seams
S1=None

Damper:

Pattern: 6

Rectangular



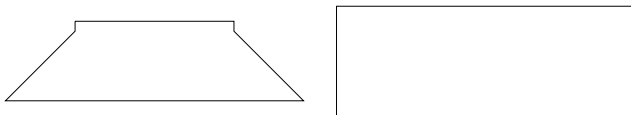
| Dims | Options | Conn's |
|-------------------|---------------------------|---------|
| A=Left Width | Vee Depth Male=Auto | C1=None |
| B=Depth | Vee Depth Female=Auto | C2=None |
| C=Right Width | Vee Notch Angle=30.000 | |
| D=Length | Seam Cut Back=0.000 | |
| E=Left Extension | Allow Central Tie Rods=No | |
| F=Right Extension | Insulation Parts=Same | |
| G=Offset Width | Split Mitre=No | |
| H=Angle | | |
| I=Left Extension | | |
| J=Right Extension | | |
| K=Right Width | | |

Seams
S1=None

Damper: None
None

Pattern: 7

Rectangular



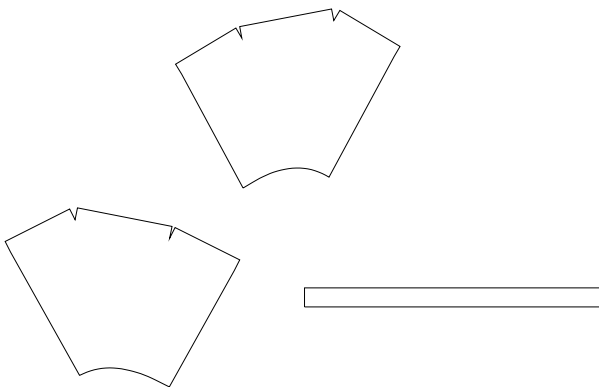
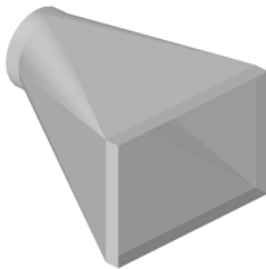
| Dims | Options | Conn's |
|--------------------|----------------------------------|---------|
| A=Top Width | Throat Type=Mitred | C1=None |
| B=Depth | 2 Parts=Yes | C2=None |
| C=Height | Vee Depth Male=Auto | |
| D=Top Extension | Vee Depth Female=Auto | |
| E=Bottom Extension | Vee Notch Angle=30.000 | |
| 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



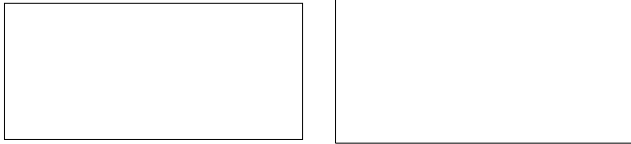
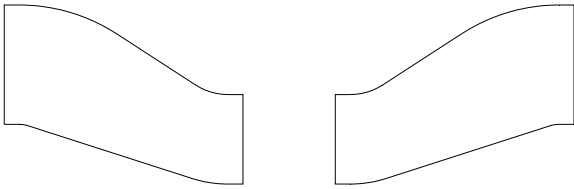
| Dims | Options | Conn's |
|-----------------|----------------------------------|---------|
| A=Width | Cross Break=2 | C1=None |
| B=Depth | Length Break=1 | C2=None |
| C=Diameter | Diameter Type=Nominal | |
| D=Length | Seam Position=Width | |
| E=Offset Width | Marker Type=Notch | |
| F=Offset Depth | Input=Length | |
| G=Extension | Offset Width=Left In | |
| H=Collar | Offset Depth=Bottom Up | |
| I=Corner Radius | Inlet=1 | |
| J=Slope Angle | 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=None

Damper: None

Pattern: 9

Rectangular



| Dims | Options | Conn's |
|-----------------|---------------------------------|---------|
| A=Width In | Vee Depth Male=Auto | C1=None |
| B=Depth | Vee Depth Female=Auto | C2=None |
| 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 | Wraps V Notch If Zero Radius=No | |
| I=Radius In | | |

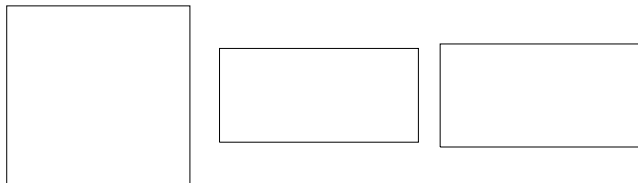
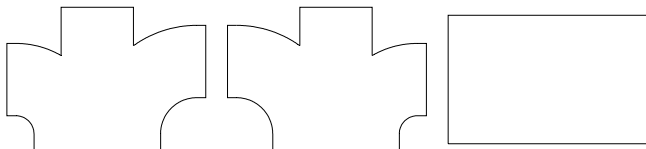
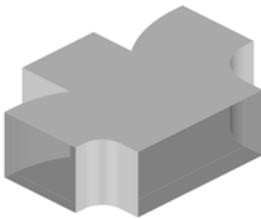
Seams

S1=None

Damper:

Pattern: 10

Rectangular



| Dims | Options | Conn's |
|-----------------------|----------------------------|---------|
| A=Btm Width | Right Throat Type=Radius | C1=None |
| 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

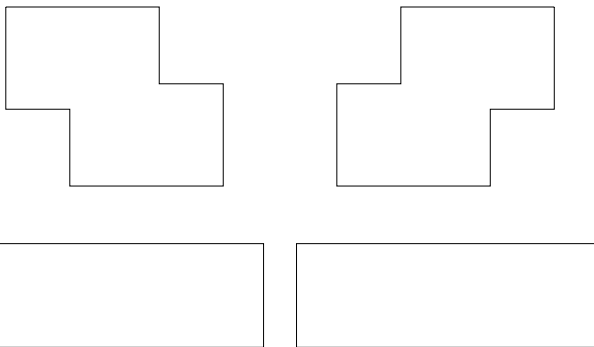
S1=None

S2=None

Damper:

Pattern: 11

Rectangular



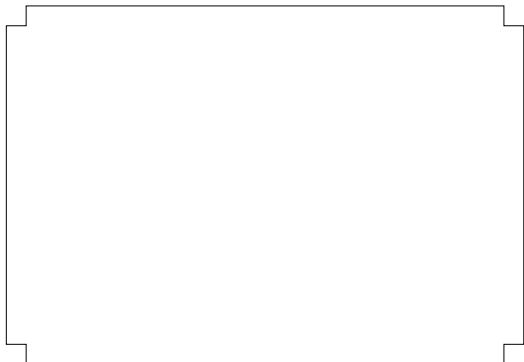
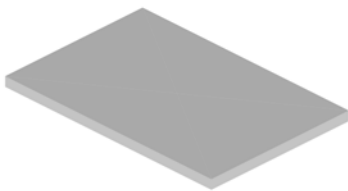
| Dims | Options | Conn's |
|-------------------|------------------------|---------|
| A=Left Width | Vee Depth Male=Auto | C1=None |
| B=Depth | Vee Depth Female=Auto | C2=None |
| C=Right Width | Vee Notch Angle=20.000 | |
| D=Length | Insulation Parts=Same | |
| E=Left Extension | | |
| F=Right Extension | | |
| G=Offset Width | | |

Seams
S1=None

Damper:

Pattern: 12

Rectangular



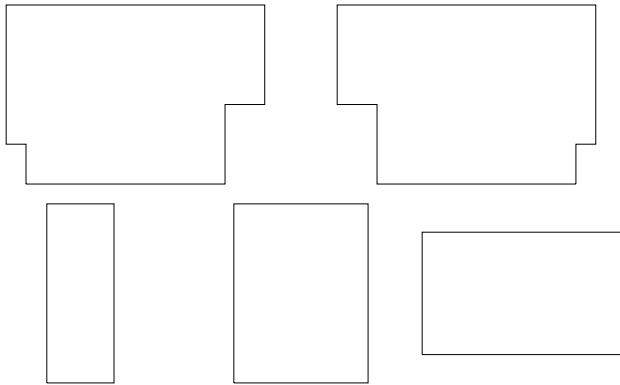
| Dims | Options | Conn's |
|--------------------|--------------------------|---------|
| A=Width B=Depth | Duct Adjust=0.000 | C1=None |
| C=Turnover | Add Allowance To Body=No | |
| | Mirror=No | |
| | Symbol=Yes | |

Seams
S1=None

Damper:

Pattern: 13

Rectangular



| Dims | Options | Conn's |
|---------------------|------------------------|---------|
| A=Btm Width | 3 Parts=No | C1=None |
| B=Depth | Vee Depth Male=Auto | C2=None |
| C=Left Width | Vee Depth Female=Auto | C3=None |
| D=Right Width | Vee Notch Angle=30.000 | |
| E=Bottom Extension | Hole Diameter=0.500 | |
| F=Right Extension | Hole Spacing=2.000 | |
| G=Left Extension | Splitters=No | |
| H=Splitter Distance | Inlet=1 | |
| | Outlet=2 | |
| | Insulation Parts=Same | |

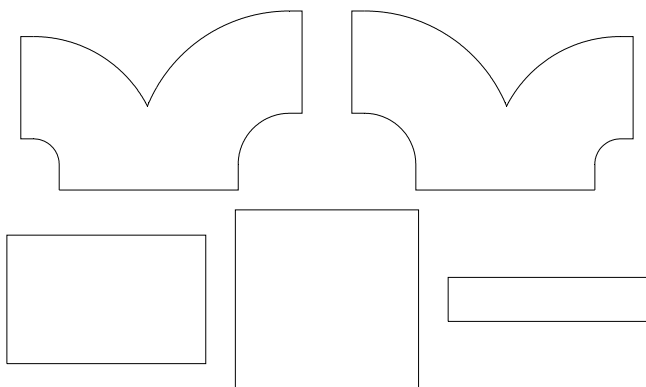
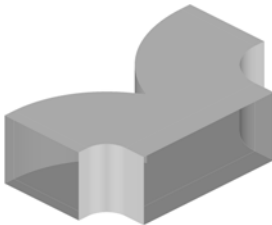
Seams

S1=None

Damper:

Pattern: 14

Rectangular



| Dims | Options | Conn's |
|-----------------------|---------------------------|---------|
| A=Btm Width | Right Throat Type=Radius | C1=None |
| 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

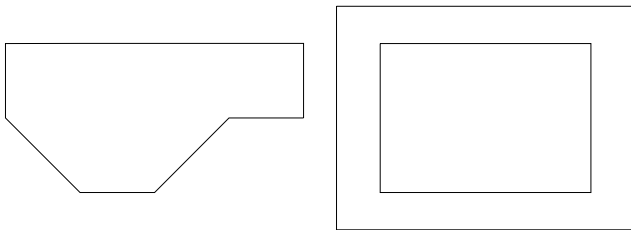


| Dims | Options | Conn's |
|----------------------|----------------------|---------|
| A=Width | Branch Parts=1 | C1=None |
| B=Depth | Plate Parts=1 | C2=None |
| C=Length | Seam Position=Corner | |
| D=Angle | Hole Adjust=0.000 | |
| E=Plate Width | | |
| F=Plate Depth | | |
| G=Offset Depth | | |
| H=Offset Width | | |
| I=Btm Width | | |
| J=Plate Width Adjust | | |
| K=Plate Depth Adjust | | |

Seams

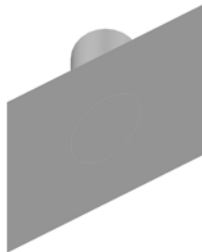
S1=None
S2=None

Damper:



Pattern: 16

Round/Fabrication

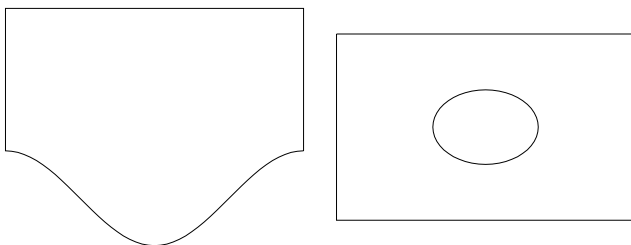


| Dims | Options | Conn's |
|-------------------|----------------------------------|---------|
| A=Branch Diameter | Branch Parts=1 | C1=None |
| B=Length | Plate Parts=1 | C2=None |
| C=Angle | Seam Position=0.000 | |
| D=Plate Width | Hole Adjust=0.000 | |
| E=Plate Depth | Diameter Type=Nominal | |
| 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

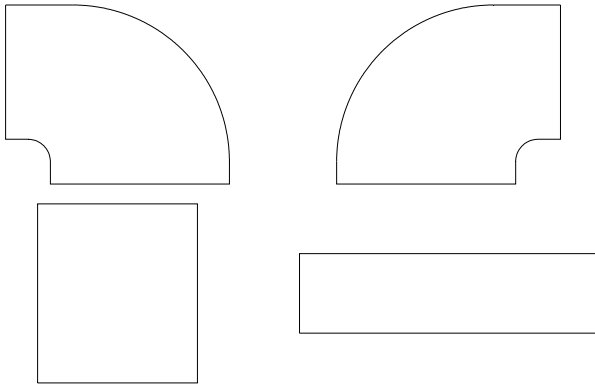
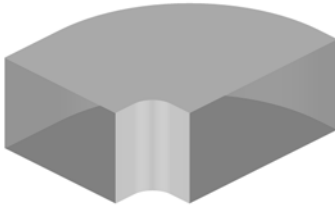
S1=None
S2=None

Damper: None



Pattern: 17

Rectangular/Fabrication



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Top Width | Throat Type=Radius | C1=None |
| B=Depth | Length Adjust For Part 4=0.000 | C2=None |
| 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 | |

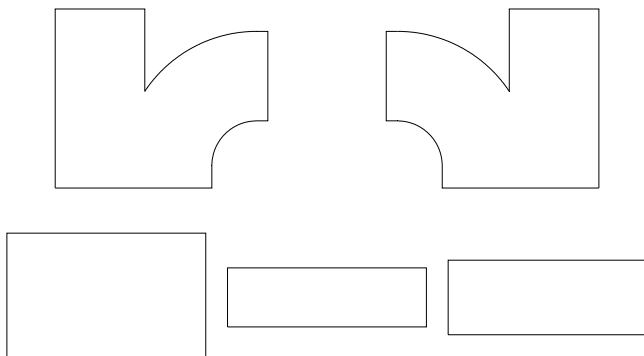
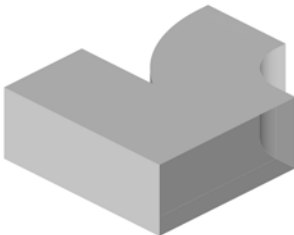
Seams

S1=None

Damper:

Pattern: 18

Rectangular



| Dims | Options | Conn's |
|--------------------|----------------------------|---------|
| A=Btm Width | Right Throat Type=Radius | C1=None |
| 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

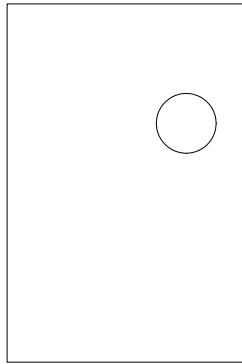
S1=None

S2=None

Damper:

Pattern: 19

Rectangular



| Dims | Options | Conn's |
|--------------------|-------------------------------|---------|
| A=Width | Straight Type=1 Part Straight | C1=None |
| B=Depth | Notch Angle For Lid=45.000 | C2=None |
| 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 | | |
| J=Hole Rotation #1 | | |

Seams

S1=None

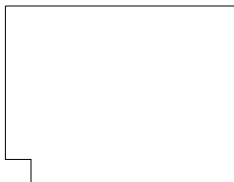
S2=None

S3=None

Damper: None

Pattern: 20

Rectangular



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Top Width | Length Adjust For Part 4=0.000 | C1=None |
| B=Depth | Length Adjust For Part 3=0.000 | C2=None |
| 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 | |
| | Insulation Parts=Same | |

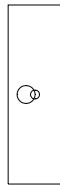
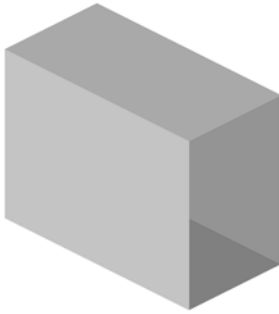
Seams

S1=None

Damper:

Pattern: 21

Rectangular



| Dims | Options | Conn's |
|--------------------|----------------------------|---------|
| A=Width | Notch Angle For Lid=45.000 | C1=None |
| B=Depth | Collar Allowance=0.000 | C2=None |
| C=Length | Lid Adjust=0.000 | C3=None |
| 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 | | |
| I=Hole Collar #1 | | |
| J=Hole Rotation #1 | | |
| K=Hole Width #2 | | |
| L=Hole Depth #2 | | |
| M=Hole Radius #2 | | |
| N=Hole Inset #2 | | |
| O=Hole Offset #2 | | |
| P=Hole Collar #2 | | |
| Q=Hole Rotation #2 | | |

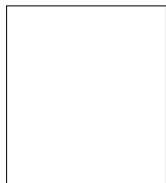
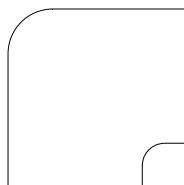
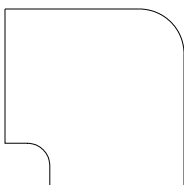
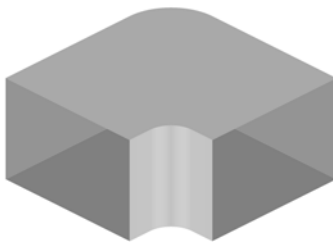
Seams

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

Damper: None

Pattern: 22

Rectangular



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Width | Throat Type=Radius | C1=None |
| B=Depth | Length Adjust For Part 4=0.000 | C2=None |
| 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 | |

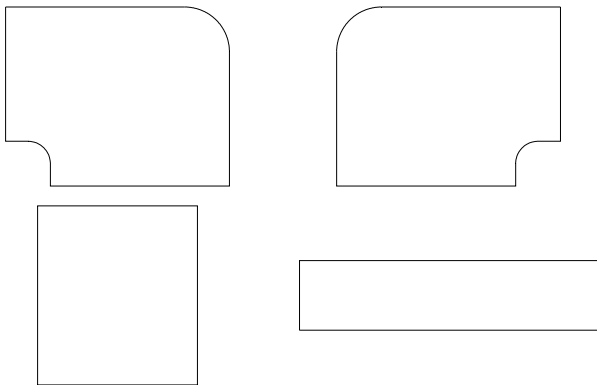
Seams

S1=None

Damper:

Pattern: 23

Rectangular



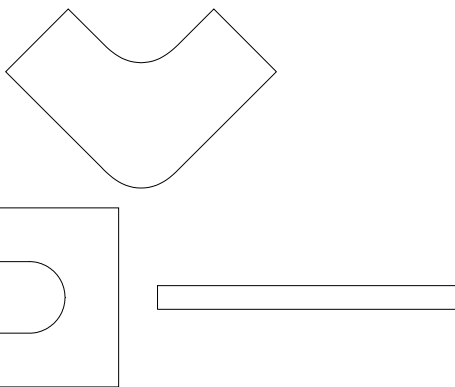
| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Top Width | Throat Type=Radius | C1=None |
| B=Depth | Length Adjust For Part 4=0.000 | C2=None |
| C=Btm Width | Length Adjust For Part 3=0.000 | |
| D=Angle | Vee Depth Male=Auto | |
| E=Top Extension | 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 | |

Seams
S1=None

Damper:

Pattern: 24

Round



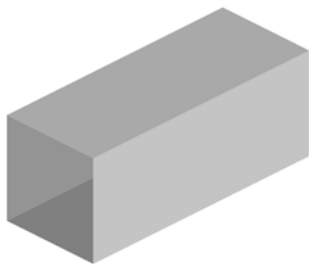
| Dims | Options | Conn's |
|-------------------|----------------------------------|---------|
| A=Branch Diameter | Branch Parts=1 | C1=None |
| B=Length | Plate Parts=1 | C2=None |
| C=Angle | Seam Position=0.000 | |
| D=Plate Width | Hole Adjust=0.000 | |
| E=Plate Depth | Diameter Type=Nominal | |
| 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

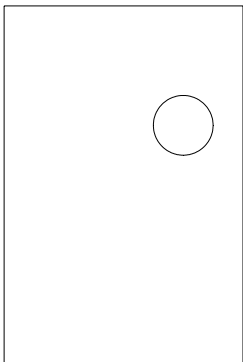
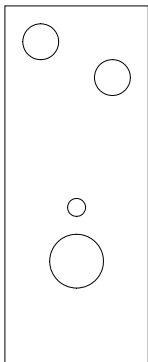


| Dims | | Options | Conn's |
|----------|---------|----------------------------------|---------|
| A=Width | B=Depth | Straight Type=1 Part Straight | C1=None |
| C=Length | | Female Allow=Shortest Side | C2=None |
| | | 1xU,1xI=Shortest Side | |
| | | Connector Fold Notch=Use Default | |
| | | Vee 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 UI=Shortest Side | |
| | | | Seams |
| | | | S1=None |

Damper:

Pattern: 26

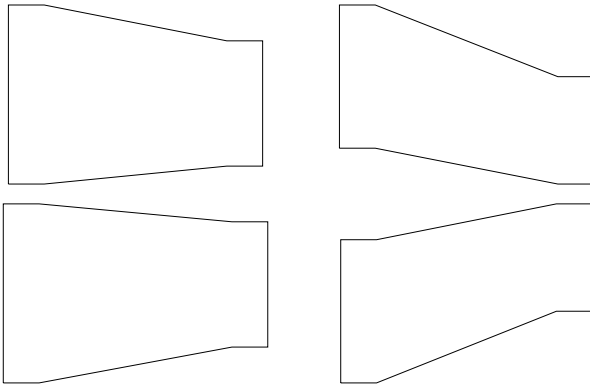
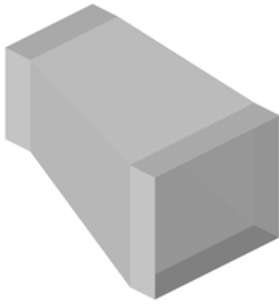
Rectangular



| Dims | | Options | Conn's |
|--------------------|--|-------------------------------|-----------------|
| A=Width | | Straight Type=1 Part Straight | C1=None |
| B=Depth | | Notch Angle For Lid=45.000 | C2=None |
| C=Length | | Lid Adjust=0.000 | C3=None |
| D=Hole Width #1 | | Diameter Type=Nominal | C4=None |
| E=Hole Depth #1 | | Hole Adjust=0.000 | C5=None |
| F=Hole Radius #1 | | Straight=Yes | C6=None |
| G=Hole Inset #1 | | | |
| H=Hole Offset #1 | | | |
| I=Hole Collar #1 | | | |
| J=Hole Rotation #1 | | | |
| K=Hole Width #2 | | | |
| L=Hole Depth #2 | | | |
| M=Hole Radius #2 | | | |
| N=Hole Inset #2 | | | |
| O=Hole Offset #2 | | | |
| P=Hole Collar #2 | | | |
| Q=Hole Rotation #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 Rotation #3 | | | |
| Y=Hole Width #4 | | | |
| Z=Hole Depth #4 | | | |
| a=Hole Radius #4 | | | |
| b=Hole Inset #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=None |
| B=Depth In | 3 Parts=No | C2=None |
| 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 | Offset Width=Left In | |
| I=Offset Depth | Offset Depth=Bottom Up | |
| J=Angle | 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 | |
| | Seam Cut Back=0.000 | |

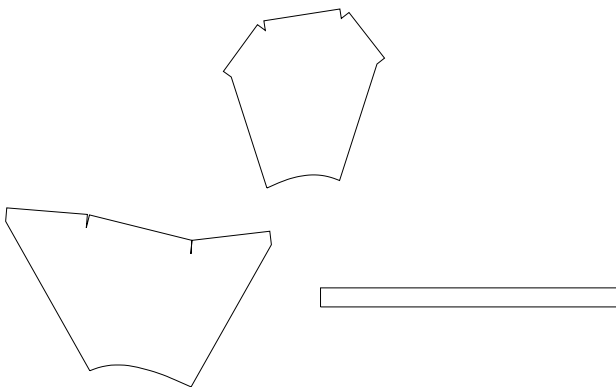
Seams

S1=None

Damper:

Pattern: 28

Rectangular/Round



| Dims | Options | Conn's |
|---------------------|----------------------------------|---------|
| A=Width | Cross Break=2 | C1=None |
| B=Depth | Length Break=1 | C2=None |
| C=Diameter | Diameter Type=Nominal | |
| D=Length | Seam Position=Width | |
| E=Rectangular Angle | Marker Type=Notch | |
| F=Offset Width | Offset Width=Left In | |
| G=Offset Depth | Offset Depth=Bottom Up | |
| H=Extension | Inlet=1 | |
| I=Collar | Outlet=2 | |
| J=Round Angle | Fold Notch Depth=Full Allowance | |
| K=Corner Radius | V Notch Rectangular Extension=No | |
| | Seam Cut Back=None | |
| | Cut Back Allowance (%)=50.000 | |
| | 2 Parts 90 Degrees Seam=No | |

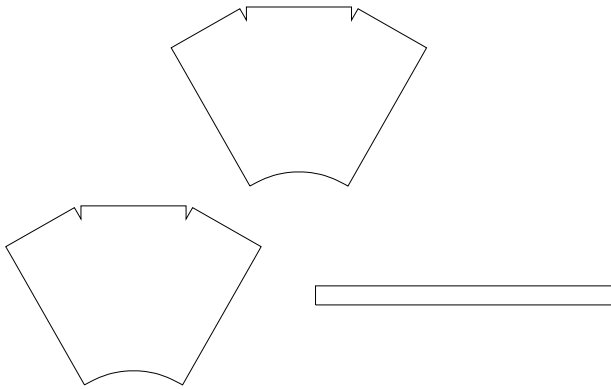
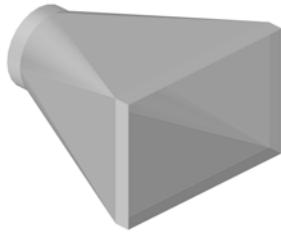
Seams

S1=None

Damper: None

Pattern: 29

Rectangular/Round



| Dims | Options | Conn's |
|-----------------|----------------------------------|---------|
| A=Width | Cross Break=2 | C1=None |
| B=Depth | Length Break=1 | C2=None |
| C=Diameter | Diameter Type=Nominal | |
| D=Length | Seam Position=Width | |
| E=Extension | Marker Type=Notch | |
| F=Collar | Input=Length | |
| G=Corner Radius | Offset Width=Left In | |
| H=Slope Angle | 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 | |

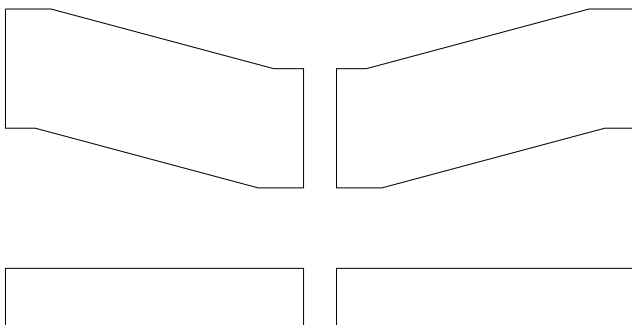
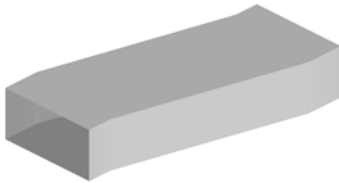
Seams

S1=None

Damper: None

Pattern: 30

Rectangular



| Dims | Options | Conn's |
|-------------------|------------------------|---------|
| A=Width | Vee Depth Male=Auto | C1=None |
| B=Depth | Vee Depth Female=Auto | C2=None |
| 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 | Insulation Parts=Same | |
| H=Left Extension | Split Mitre=No | |
| I=Right Extension | Inlet=1 | |
| J=Right Width | Outlet=2 | |

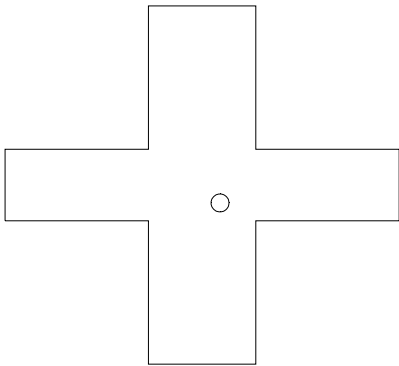
Seams

S1=None

Damper: None
None

Pattern: 31

Rectangular



| Dims | Options | Conn's |
|--------------------|------------------------|---------|
| A=Width | Collar Allowance=0.000 | C1=None |
| B=Depth | Diameter Type=Nominal | C2=None |
| 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 | | |
| I=Hole Collar #1 | | |
| J=Hole Rotation #1 | | |

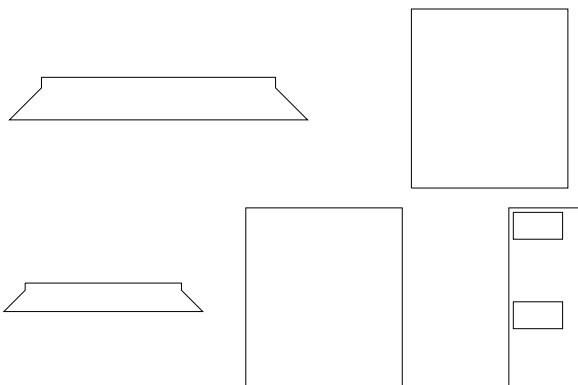
Seams

S1=None
S2=None

Damper: None

Pattern: 32

Rectangular



| Dims | Options | Conn's |
|-------------------|-----------------------------------------|---------|
| A=Width | Straight Type=1 Part Straight | C1=None |
| B=Depth | Throat Type=Mitred | C2=None |
| C=Length | 2 Part Branch=Yes | C3=None |
| D=Branch Width #1 | Vee Depth Male=Auto | C4=None |
| E=Branch Depth #1 | Vee Depth Female=Auto | C5=None |
| F=Height #1 | Vee Notch Angle=30.000 | C6=None |
| G=Extension #1 | Female Allow=Shortest Side | C7=None |
| H=Inset #1 | 1xU,1xI=Shortest Side | C8=None |
| 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 | | |

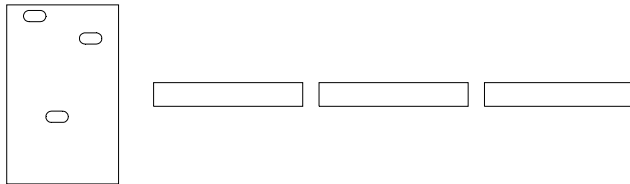
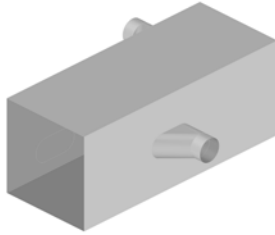
Seams

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

Damper:

Pattern: 33

Rectangular



| Dims | Options | Conn's |
|----------------------|----------------------------------------|---------|
| A=Width | Straight Type=1 Part Straight | C1=None |
| B=Depth | Branch Diameter Type=Nominal | C2=None |
| C=Length | Branch Diameter Type=Nominal | C3=None |
| D=Branch Diameter #1 | Branch Diameter Type=Nominal | C4=None |
| E=Height #1 | Hole Adjust=0.000 | C5=None |
| 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 | | |

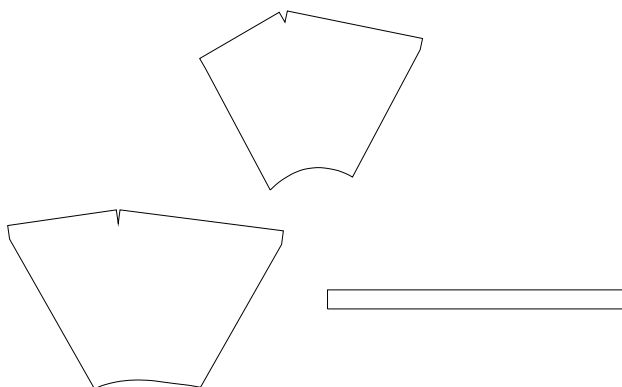
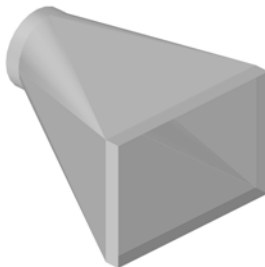
Seams

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

Damper:

Pattern: 34

Rectangular/Round/Fabrication



| Dims | Options | Conn's |
|-----------------|----------------------------------|---------|
| A=Width | Cross Break=2 | C1=None |
| B=Depth | Length Break=1 | C2=None |
| C=Diameter | Diameter Type=Nominal | |
| D=Length | Seam Position=Corner | |
| E=Offset Width | Marker Type=Notch | |
| F=Offset Depth | Input=Length | |
| G=Extension | Offset Width=Left In | |
| H=Collar | Offset Depth=Bottom Up | |
| I=Corner Radius | Inlet=1 | |
| J=Slope Angle | 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 | |

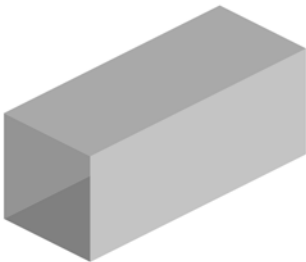
Seams

S1=None

Damper: None

Pattern: 35

Rectangular



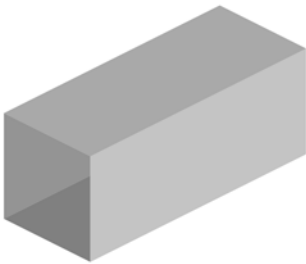
| Dims | | Options | Conn's |
|----------|---------|----------------------------------|---------|
| A=Width | B=Depth | Straight Type=1 Part Straight | C1=None |
| C=Length | | Duct Length=(inch) | C2=None |
| | | Allow Multiple Straights=Yes | |
| | | Connector Fold Notch=Use Default | |
| | | Vee Notch 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 | |
| | | 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: 36

Rectangular



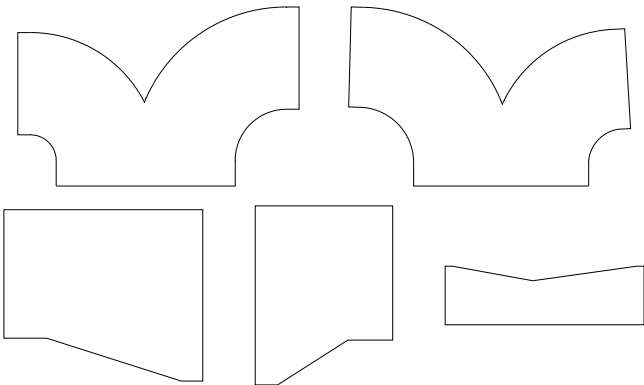
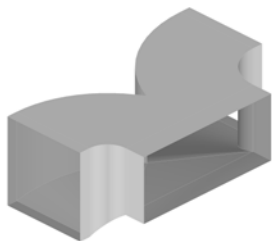
| Dims | | Options | Conn's |
|----------|---------|----------------------------------|---------|
| A=Width | B=Depth | Straight Type=1 Part Straight | C1=None |
| C=Length | | Female Allow=Shortest Side | C2=None |
| | | 1xU,1xI=Shortest Side | |
| | | Connector Fold Notch=Use Default | |
| | | Vee 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=None |

Damper:

Pattern: 37

Rectangular



| Dims | Options | Conn's |
|-----------------------|----------------------------|---------|
| A=Btm Width | Right Throat Type=Radius | C1=None |
| 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 | | |
| O=Btm Left Extension | | |
| P=Right Extension | | |
| Q=Left Extension | | |

Seams

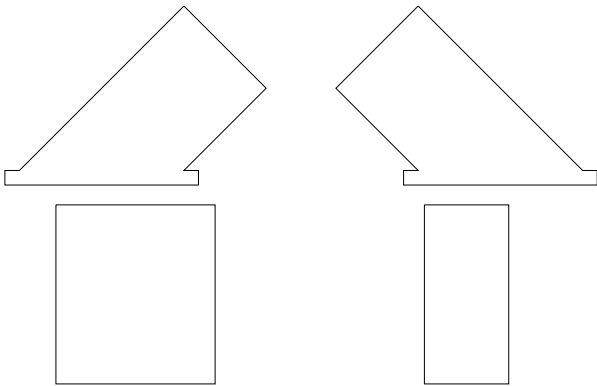
S1=None

S2=None

Damper:

Pattern: 38

Rectangular



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

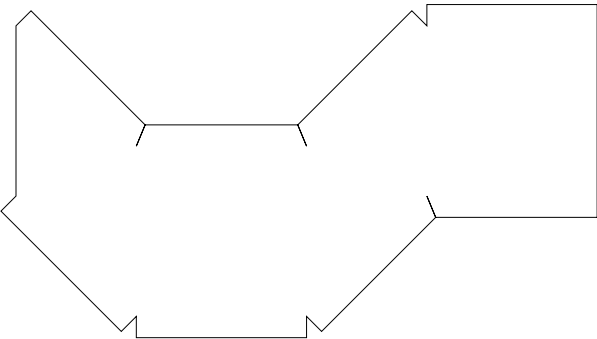
Seams

S1=None

Damper:

Pattern: 39

Rectangular



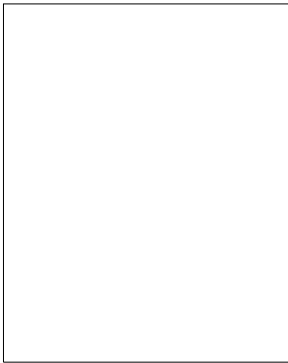
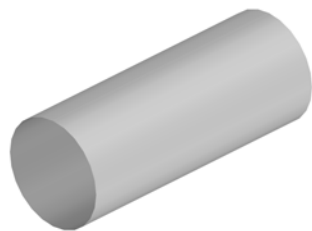
| Dims | Options | Conn's |
|--------------------|----------------------|---------|
| A=Width | Branch Parts=1 | C1=None |
| B=Depth | Seam Position=Corner | C2=None |
| C=Length | Hole Adjust=0.000 | |
| D=Angle | | |
| E=Top Extension | | |
| F=Bottom Extension | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 40

Round



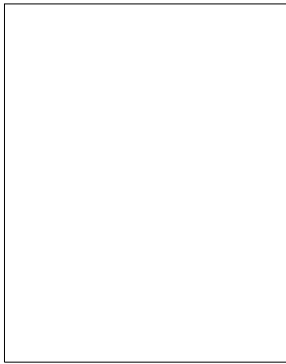
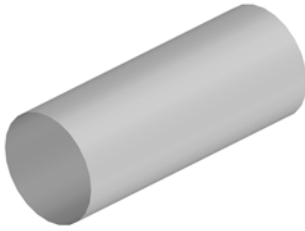
| Dims | Options | Conn's |
|-------------------|------------------------------|---------|
| A=Diameter | Seam Position=0.000 | C1=None |
| B=Length | Diameter Type=Nominal | C2=None |
| C=Left Extension | Duct Length=(inch) | |
| D=Right Extension | Area Adjust (%)=0.000 | |
| | Allow Multiple Straights=Yes | |
| | STD Straight=No | |
| | Pipe Parts=1 | |
| | First Break=0.000 | |
| | Second Break=0.000 | |
| | Third Break=0.000 | |

| Seams |
|---------|
| S1=None |

Damper: None
None

Pattern: 41

Round/Fabrication



| Dims | Options | Conn's |
|-------------------|-----------------------|---------|
| A=Diameter | Seam Position=0.000 | C1=None |
| B=Length | Diameter Type=Nominal | C2=None |
| C=Left Extension | Pipe Parts=1 | |
| D=Right Extension | First Break=0.000 | |
| | Second Break=0.000 | |
| | Third Break=0.000 | |

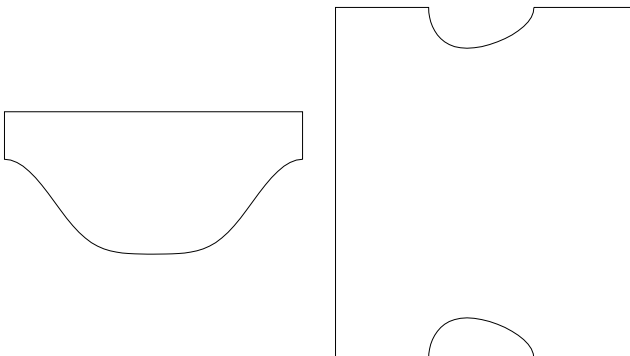
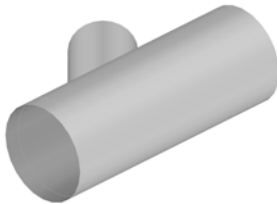
Seams

S1=None

Damper: None
None

Pattern: 42

Round



| 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 | |
| | 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

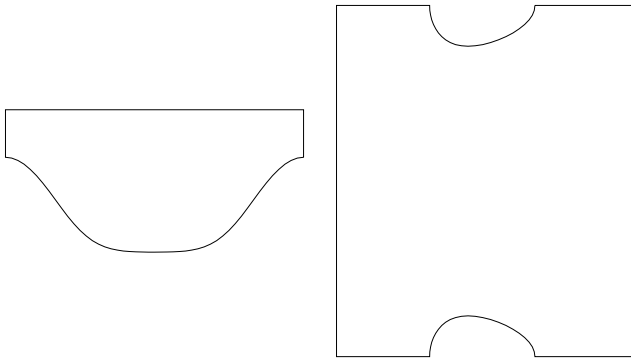
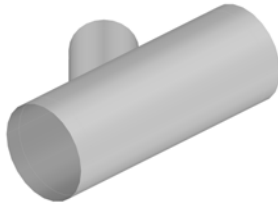
S1=None

S2=None

Damper: None
None
None

Pattern: 43

Round



| Dims | Options | Conn's |
|----------------------|------------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=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=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 | |
| | 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 | |

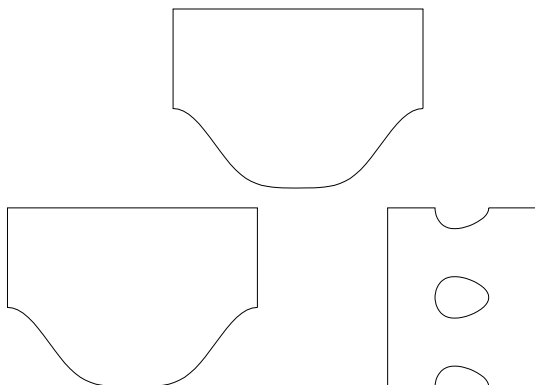
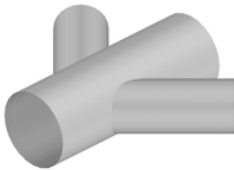
Seams

S1=None
S2=None

Damper: None
None
None

Pattern: 44

Round



| 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=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 | |
| | 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 | |

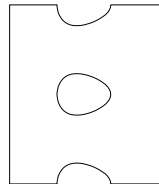
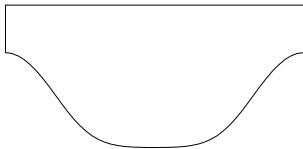
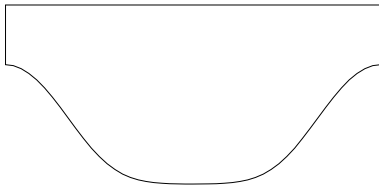
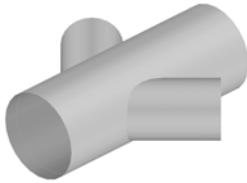
Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 45

Round



| 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=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 | Cut Back Allowance (%)=0.000 | |
| P=Extension #2 | Use Pipe Seam For Branches=No | |
| | Plate Border (Length)=Auto | |
| | End Castle Width =0.000 | |
| | End Castle Angle=30.000 | |

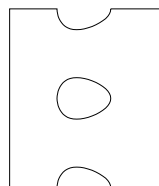
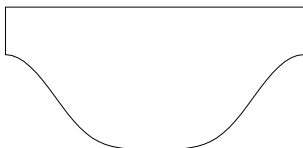
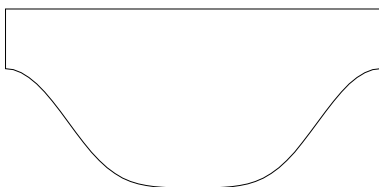
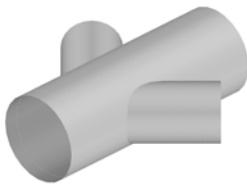
Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 46

Round



| 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=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 | Cut Back Allowance (%)=0.000 | |
| P=Rotation #2 | Use Pipe Seam For Branches=No | |
| Q=Extension #2 | Plate Border (Length)=Auto | |
| | End Castle Width =0.000 | |
| | End Castle Angle=30.000 | |

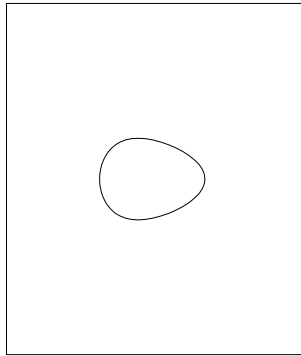
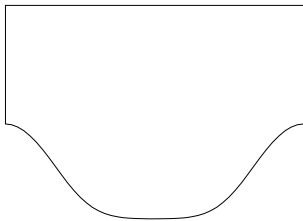
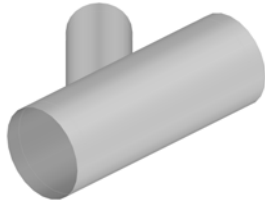
Seams

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=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 | |
| | 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 | |

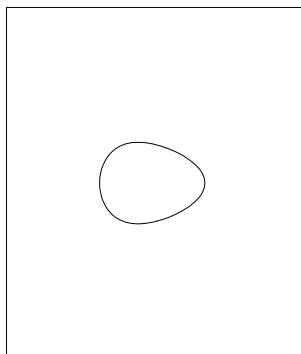
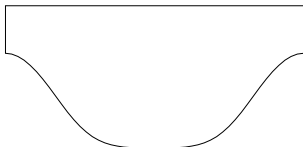
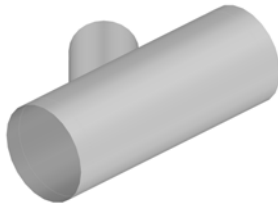
Seams

S1=None
S2=None

Damper: None
None
None

Pattern: 48

Round



| Dims | Options | Conn's |
|----------------------|------------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=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=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 | |
| | 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 | |

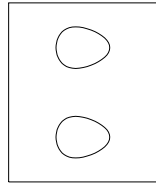
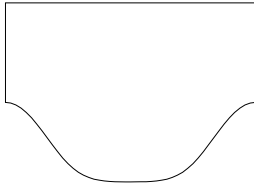
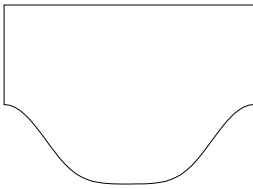
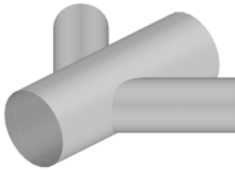
Seams

S1=None
S2=None

Damper: None
None
None

Pattern: 49

Round



| 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=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 | |
| | 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 | |

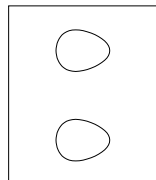
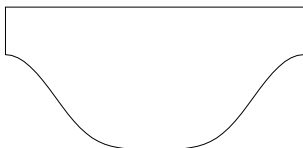
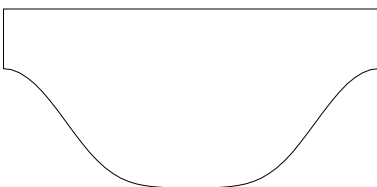
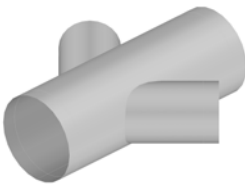
Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 50

Round



| 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=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 | Cut Back Allowance (%)=0.000 | |
| P=Extension #2 | Use Pipe Seam For Branches=No | |
| | Plate Border (Length)=Auto | |
| | End Castle Width =0.000 | |
| | End Castle Angle=30.000 | |

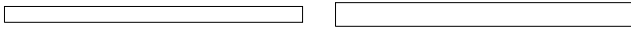
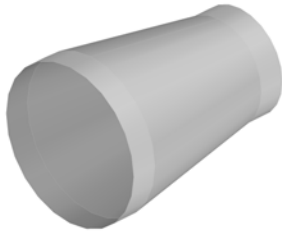
Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 51

Round/Fabrication



| 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 | Seam For Weathering=No | |
| F=Angle | Input=Length | |
| | Length Includes Extensions=No | |
| | Auto Oversize=Normal | |
| | Graining Angle=90.000 | |

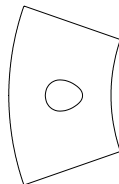
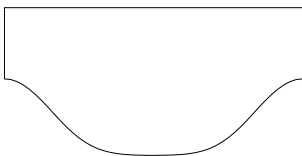
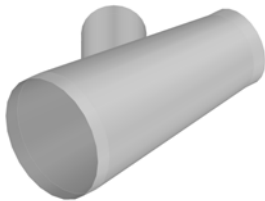
Seams

S1=None

Damper: None
None

Pattern: 52

Round



| Dims | Options | Conn's |
|----------------------|---------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Diameter | Branch Parts=1 | C2=None |
| C=Pipe Length | First Break=0.000 | C3=None |
| 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 | |
| | Cut Back Allowance (%)=0.000 | |
| | End Castle Width =0.000 | |
| | End Castle Angle=30.000 | |

Seams

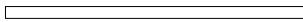
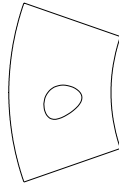
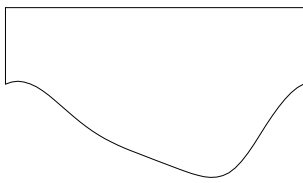
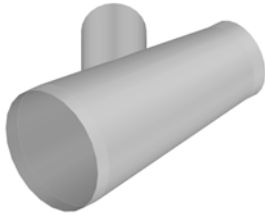
S1=None

S2=None

Damper: None
None
None

Pattern: 53

Round/Fabrication



| Dims | Options | Conn's |
|----------------------|---------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Diameter | Branch Parts=1 | C2=None |
| C=Pipe Length | First Break=0.000 | C3=None |
| 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 | |
| | Cut Back Allowance (%)=0.000 | |
| | End Castle Width =0.000 | |
| | End Castle Angle=30.000 | |

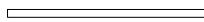
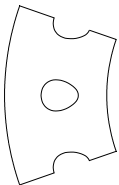
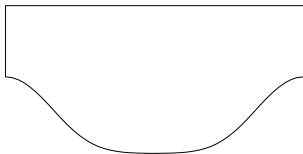
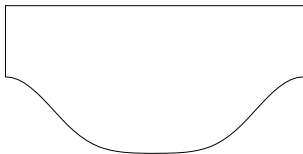
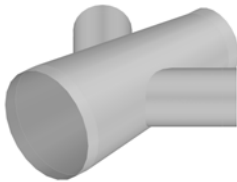
Seams

S1=None
S2=None

Damper: None
None
None

Pattern: 54

Round/Fabrication



| Dims | Options | Conn's |
|----------------------|---------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Diameter | Branch Parts=1 | C2=None |
| C=Pipe Length | First Break=0.000 | C3=None |
| D=Left Extension | Second Break=0.000 | C4=None |
| 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 | Cut Back Allowance (%)=0.000 | |
| | End Castle Width =0.000 | |
| | End Castle Angle=30.000 | |

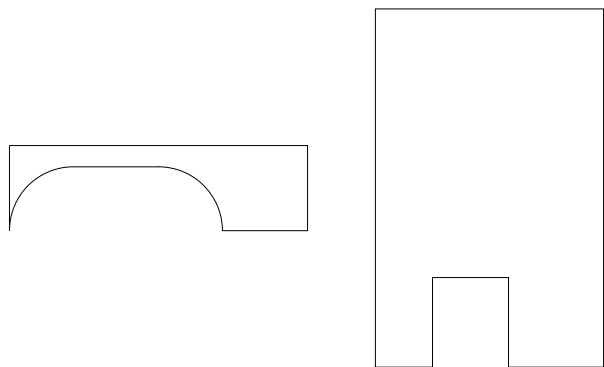
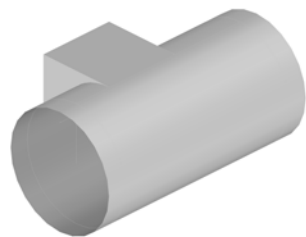
Seams

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=None |
| B=Pipe Length | Round Allowance To Pipe=0.000 | C2=None |
| C=Left Extension | Flat Allowance To Pipe=0.000 | C3=None |
| 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

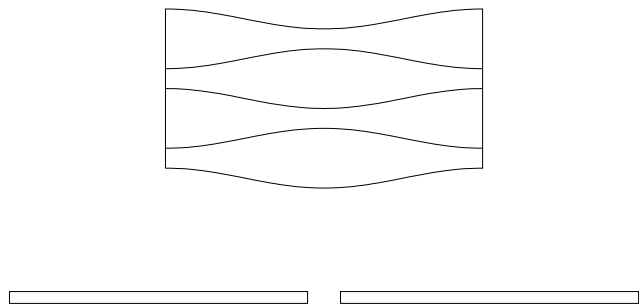
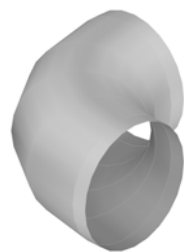
S1=None

S2=None

Damper:

Pattern: 56

Round



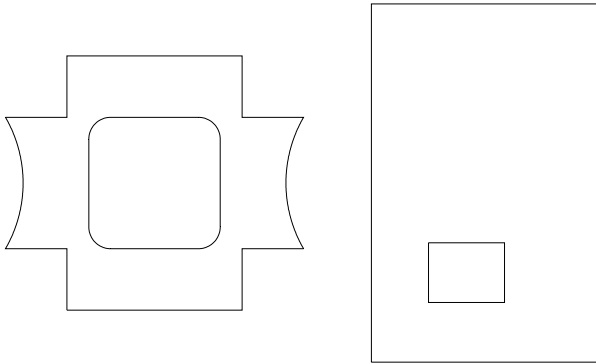
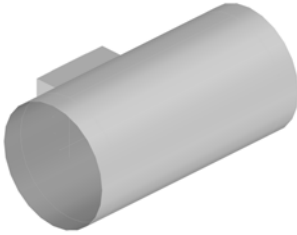
| Dims | Options | Conn's |
|-----------------|-----------------------|---------|
| A=Diameter | Number Of Segments=4 | C1=None |
| B=Inner Radius | Seam Position=0.000 | C2=None |
| C=Angle | Cross Break=1 | C3=None |
| D=Bottom Collar | Single Segments=No | |
| E=Right Collar | Diameter Type=Nominal | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 57

Round



| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Round Allowance To Pipe=0.000 | C2=None |
| C=Left Extension | Flat Allowance To Pipe=0.000 | C3=None |
| 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 | |

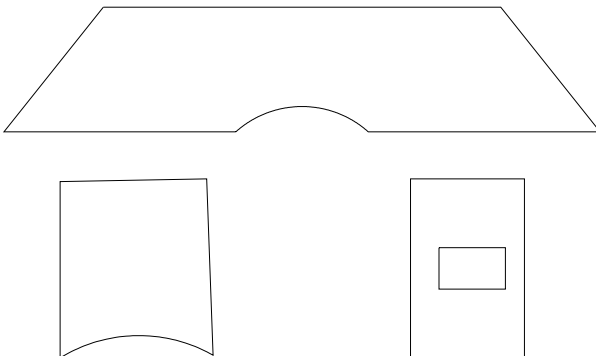
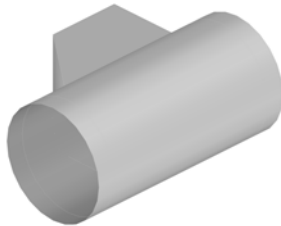
Seams

S1=None
S2=None
S3=None

Damper:

Pattern: 58

Round



| Dims | Options | Conn's |
|-----------------------|-------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Round Allowance To Pipe=0.000 | C2=None |
| C=Left Extension | Flat Allowance To Pipe=0.000 | C3=None |
| D=Right Extension | Pipe Parts=1 | |
| E=Branch Width #1 | Branch Parts=2 | |
| F=Branch Depth #1 | First Break=0.000 | |
| G=Branch Length #1 | Second Break=0.000 | |
| H=Branch Inset #1 | Third Break=0.000 | |
| I=Branch Extension #1 | 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

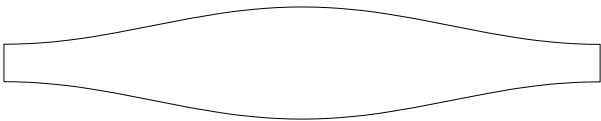
Round

| Dims | | Options | Conn's |
|-------------------|--|-----------------------|---------|
| A=Diameter | | Cross Break=1 | C1=None |
| B=Centre Diameter | | Seam Position=0.000 | C2=None |
| C=Radius | | Diameter Type=Nominal | |
| D=Angle | | Diameter=End | |



Seams
S1=None

Damper:



Pattern: 60

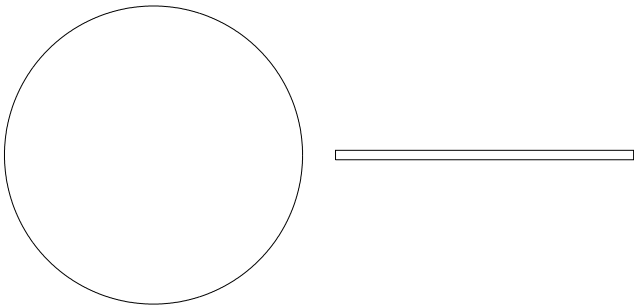
Round

| Dims | | Options | Conn's |
|------------|----------|---------------------------|---------|
| A=Diameter | B=Collar | Diameter Type=Nominal | C1=None |
| | | Correct Holes Rotation=No | |



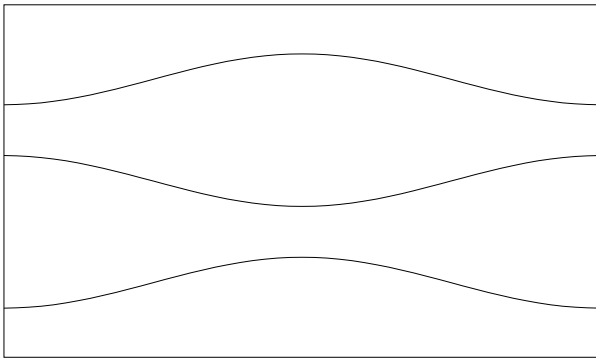
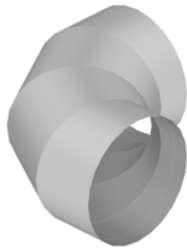
Seams

Damper:



Pattern: 61

Round



| Dims | Options | Conn's |
|--------------------|-------------------------------------|---------|
| A=Diameter | Number Of Segments=4 | C1=None |
| B=Inner Radius | Seam Position=0.000 | C2=None |
| C=Angle | Cross Break=1 | C3=None |
| 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 | |
| | Splitters=0 | |
| | Splitter Adjust=0.000 | |
| | Splitter Shape=Angled | |
| | Item Volume=Segmented | |

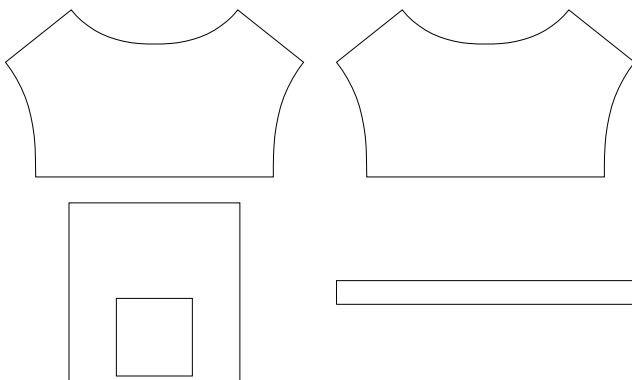
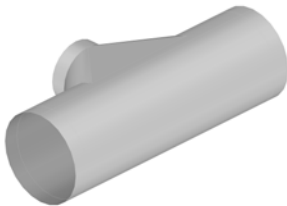
Seams

S1=None

Damper: None
None

Pattern: 62

Round



| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Branch Diameter Type=Nominal | C2=None |
| C=Left Extension | Branch Diameter Type=Nominal | C3=None |
| 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

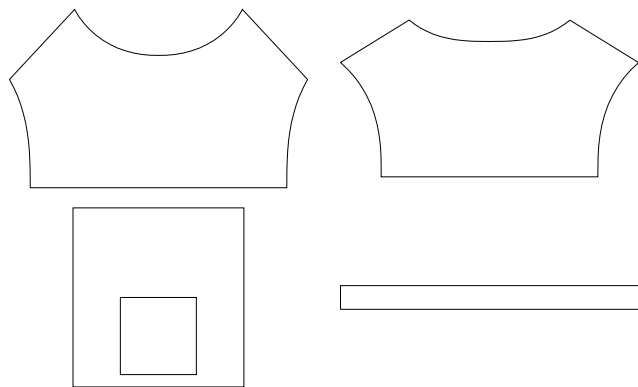
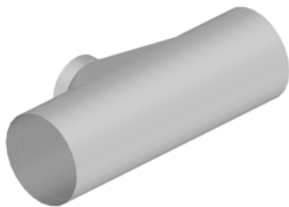
S1=None

S2=None

Damper:

Pattern: 63

Round



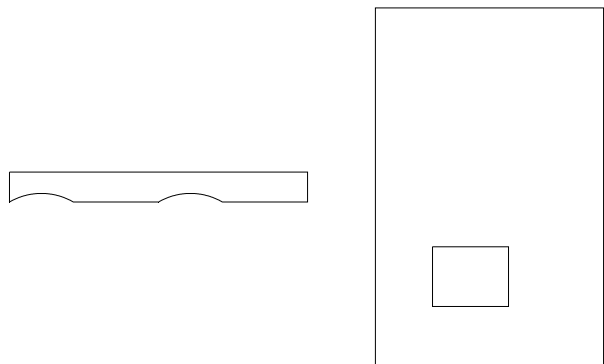
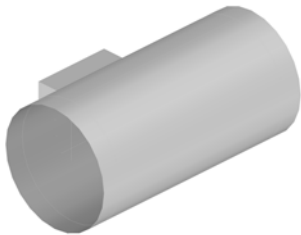
| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Branch Diameter Type=Nominal | C2=None |
| C=Left Extension | Branch Diameter Type=Nominal | C3=None |
| D=Right Extension | Hole Adjust=0.000 | |
| 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



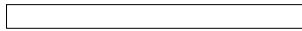
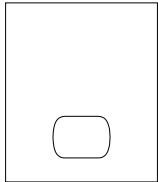
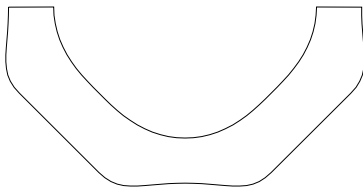
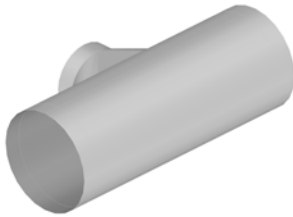
| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Round Allowance To Pipe=0.000 | C2=None |
| C=Left Extension | Flat Allowance To Pipe=0.000 | C3=None |
| D=Right Extension | Pipe Parts=1 | |
| 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=None |
| B=Pipe Length | Branch Parts=1 | C2=None |
| C=Left Extension | Seam Position=0.000 | C3=None |
| 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 | |

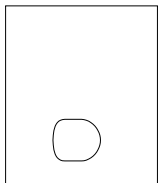
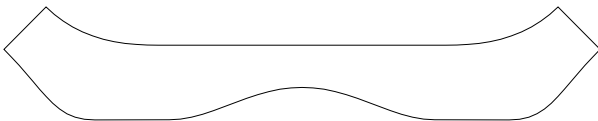
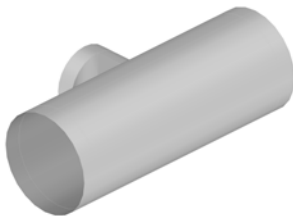
Seams

S1=None
S2=None

Damper: None
None
None

Pattern: 66

Round



| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Length | Branch Parts=1 | C2=None |
| C=Left Extension | Pipe Seam Position=0.000 | C3=None |
| 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 | |

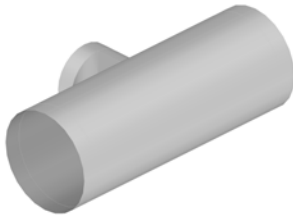
Seams

S1=None
S2=None

Damper: None

Pattern: 67

Round

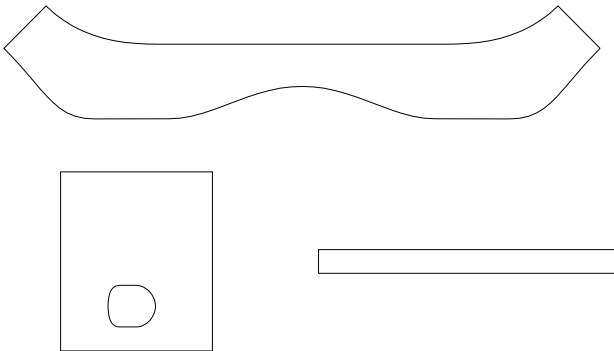


| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Length | Branch Parts=1 | C2=None |
| C=Left Extension | Pipe Seam Position=0.000 | C3=None |
| D=Right Extension | Branch Seam Position=Throat | |
| E=Branch 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

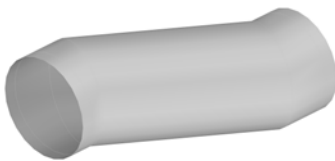
S1=None
S2=None

Damper: None



Pattern: 68

Round

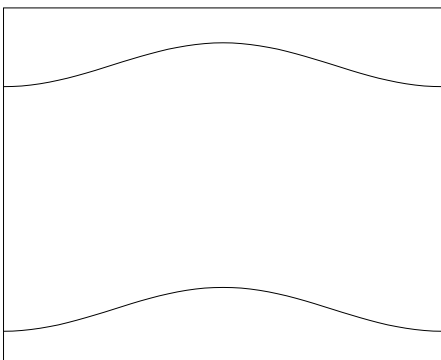


| Dims | Options | Conn's |
|-------------------|-------------------------------------|---------|
| A=Diameter | Seam Position=0.000 | C1=None |
| B=Length | Single Segments=No | C2=None |
| C=Offset | Diameter Type=Nominal | C3=None |
| D=Left Extension | Cross Break=1 | |
| E=Right Extension | Marker 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

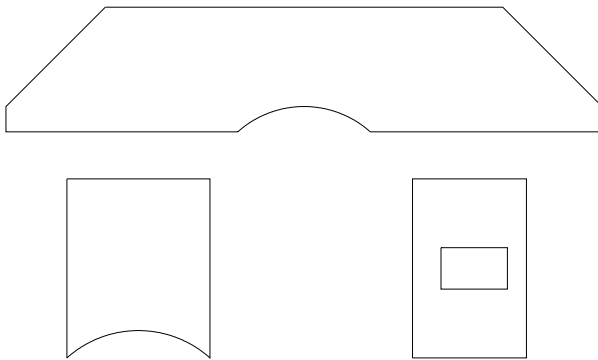
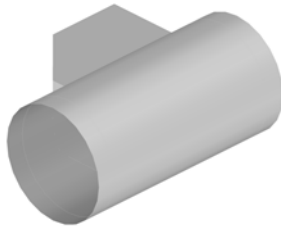
S1=None

Damper: None
None



Pattern: 69

Round



| Dims | Options | Conn's |
|-----------------------|-------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Round Allowance To Pipe=0.000 | C2=None |
| C=Left Extension | Flat Allowance To Pipe=0.000 | C3=None |
| D=Right Extension | Pipe Parts=1 | |
| E=Branch Width #1 | Branch Parts=2 | |
| F=Branch Depth #1 | First Break=0.000 | |
| G=Branch Length #1 | Second Break=0.000 | |
| H=Branch Inset #1 | Third Break=0.000 | |
| I=Branch Extension #1 | 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 | |

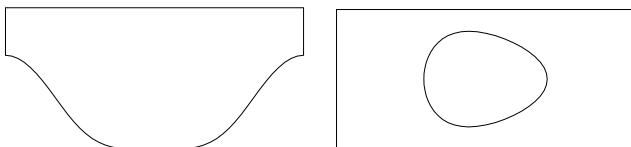
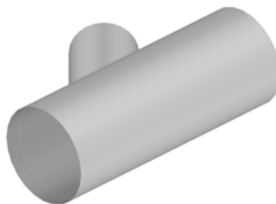
Seams

S1=None
S2=None

Damper: None
None
None

Pattern: 70

Round



| Dims | Options | Conn's |
|----------------------|---------------------------------|---------|
| A=Pipe Diameter | Branch Parts=1 | C1=None |
| B=Pipe Length | Pipe Diameter Type=Nominal | C2=None |
| C=Left Extension | Branch Diameter Type=Nominal | C3=None |
| 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 | Cut Back Allowance (%)=0.000 | |
| J=Extension #1 | Use Pipe Seam For Branches=No | |
| K=Plate Border | End Castle Width =0.000 | |
| | End Castle Angle=30.000 | |

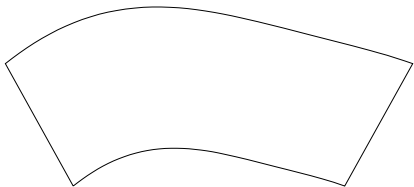
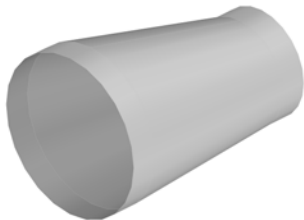
Seams

S1=None
S2=None

Damper: None
None
None

Pattern: 71

Round



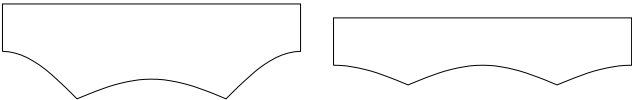
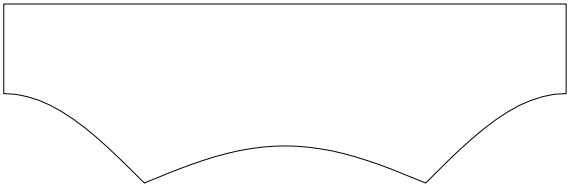
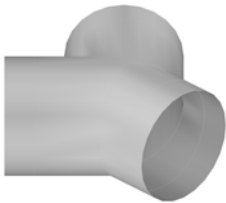
| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Diameter In | Diameter Type BE=Nominal | C1=None |
| B=Diameter Out | Diameter Type SE=Nominal | C2=None |
| C=Length | Cross Break=1 | |
| D=Y-Offset | Seam Position=0.000 | |
| E=Left Extension | Length Break=1 | |
| F=Right Extension | Marker Type=Notch | |
| G=Round Angle | Length Includes Extensions=No | |

Seams
S1=None

Damper: None
None

Pattern: 72

Round/Fabrication



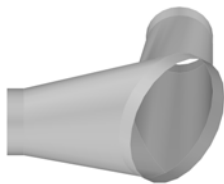
| Dims | Options | Conn's |
|--------------------|-----------------------|---------|
| A=Diameter | Diameter Type=Nominal | C1=None |
| B=Length In | Seam Position=0.000 | C2=None |
| C=Length Out | | C3=None |
| D=Angle | | C4=None |
| E=Bottom Extension | | C5=None |
| F=Left Extension | | |
| G=Right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

Seams
S1=None

Damper:

Pattern: 73

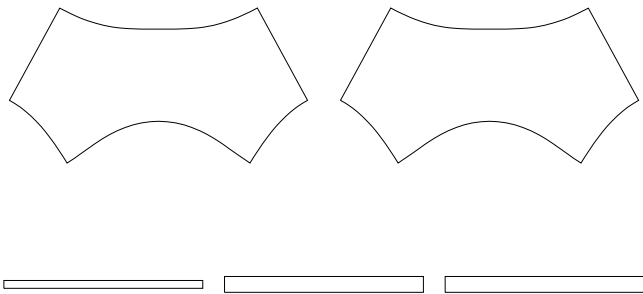
Round



| Dims | Options | Conn's |
|----------------------|------------------------------|---------|
| A=Bottom Diameter | Bottom Diameter Type=Nominal | C1=None |
| B=Left Diameter | Left Diameter Type=Nominal | C2=None |
| C=Right Diameter | Right Diameter Type=Nominal | C3=None |
| D=Left End Angle | Seam Position=Top | C4=None |
| 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 | | |

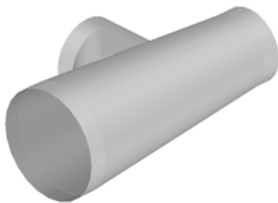
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 74

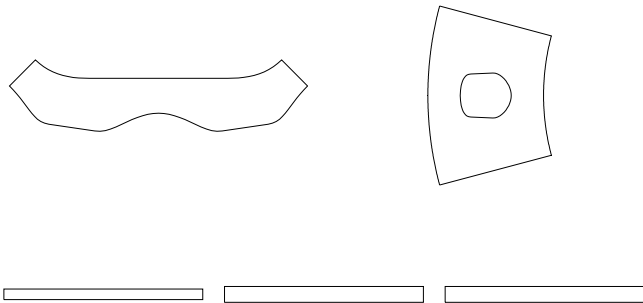
Round



| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Diameter | Branch Parts=1 | C2=None |
| C=Pipe Length | Pipe Seam Position=270.000 | C3=None |
| D=Left Collar | Branch 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 | | |

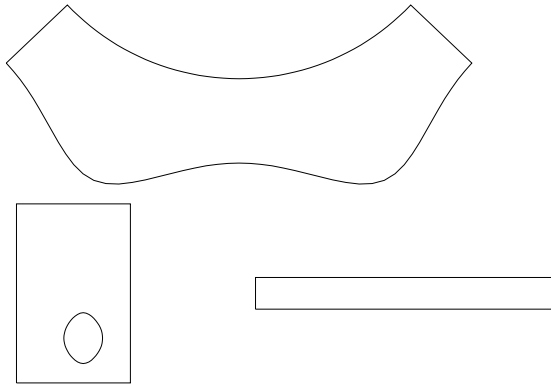
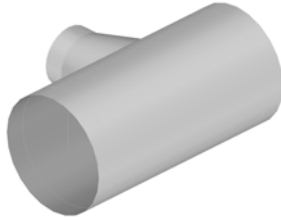
| Seams |
|---------|
| S1=None |
| S2=None |

Damper: None
None
None



Pattern: 75

Round/Fabrication



| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Length | Branch Parts=1 | C2=None |
| C=Left Extension | Seam Position=0.000 | C3=None |
| 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 | |

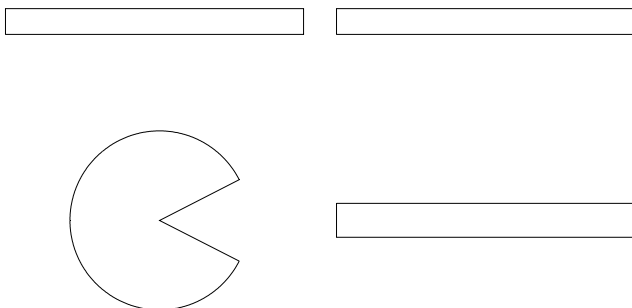
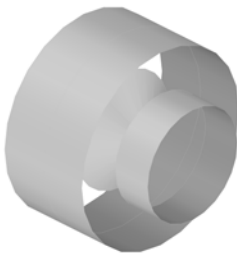
Seams

S1=None
S2=None

Damper: None
None
None

Pattern: 77

Round



| Dims | Options | Conn's |
|-------------------|-------------------------|---------|
| A=Top Diameter | Cross Break=1 | C1=None |
| B=Diameter | Hole Width=0.000 | C2=None |
| C=Bottom Diameter | Hole Length=0.000 | C3=None |
| 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 | |

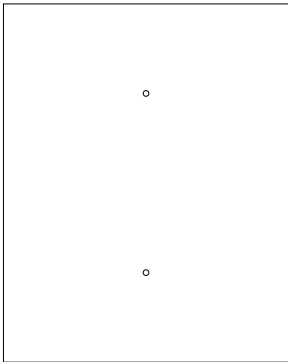
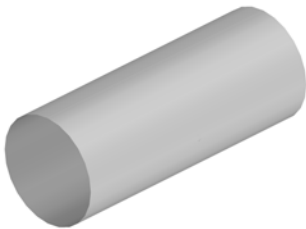
Seams

S1=None

Damper:

Pattern: 78

Round



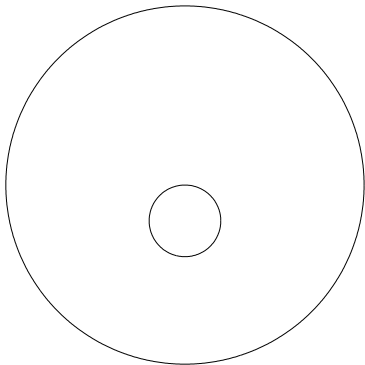
| Dims | Options | Conn's |
|----------------------|-----------------------|---------|
| A=Diameter | Seam Position=0.000 | C1=None |
| B=Length | Diameter Type=Nominal | C2=None |
| C=Top Hole Length | Hole=Both | |
| D=Top Hole Width | Pipe Parts=1 | |
| E=Bottom Hole Length | First Break=0.000 | |
| F=Bottom Hole Width | Second Break=0.000 | |
| | Third Break=0.000 | |

Seams
S1=None

Damper: None
None

Pattern: 79

Round



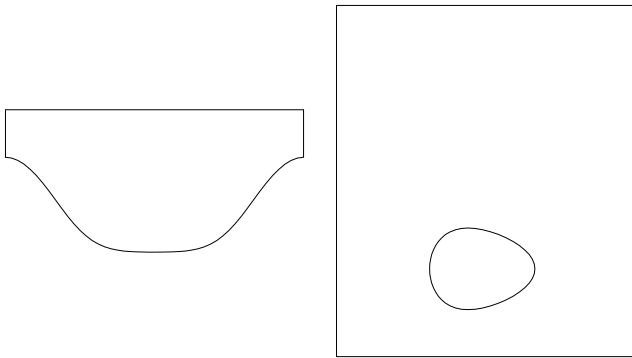
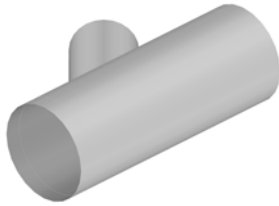
| Dims | Options | Conn's |
|---------------------|---------|---------|
| A=Diameter B=Offset | | C1=None |
| C=Diameter D=Collar | | C2=None |

Seams

Damper:

Pattern: 80

Round



| 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 | 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 | |
| | 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 | |

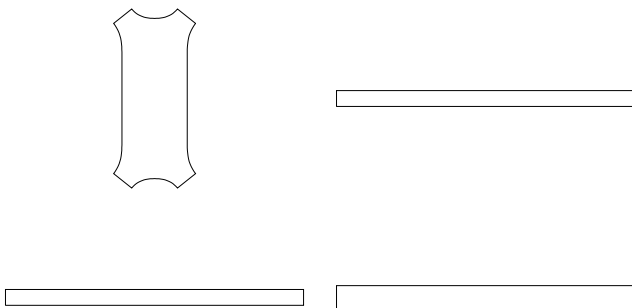
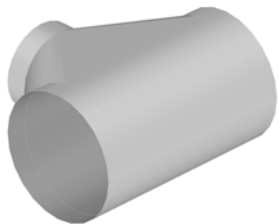
Seams

S1=None
S2=None

Damper: None
None
None

Pattern: 81

Round



| Dims | Options | Conn's |
|-------------------|-------------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Left Extension | Branch Diameter Type=Nominal | C2=None |
| C=Right Extension | Branch Diameter Type=Nominal | C3=None |
| 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 | |

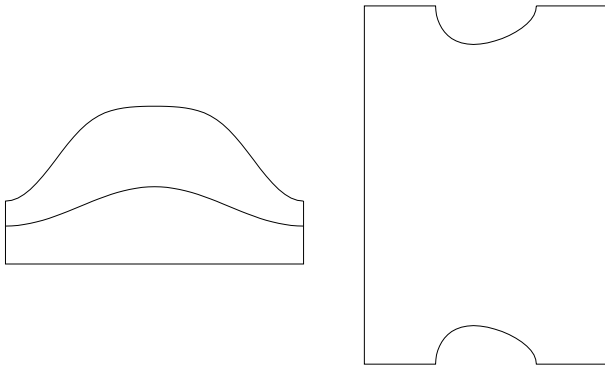
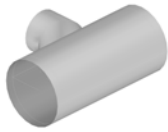
Seams

S1=None
S2=None

Damper:

Pattern: 82

Round



| Dims | Options | Conn's |
|-------------------|---------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=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 | |

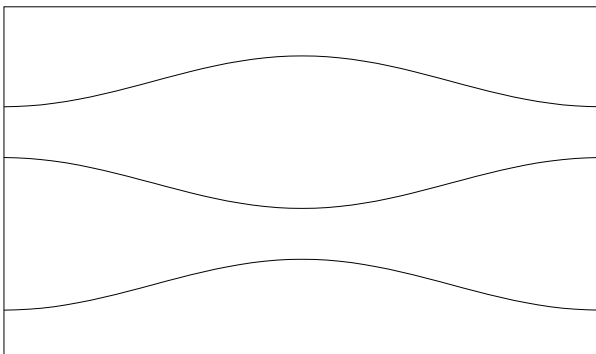
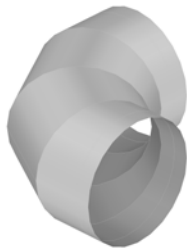
Seams

S1=None
S2=None

Damper:

Pattern: 83

Round/Fabrication



| Dims | Options | Conn's |
|--------------------|-------------------------------------|---------|
| A=Diameter | Number Of Segments=4 | C1=None |
| B=Inner Radius | Seam Position=0.000 | C2=None |
| C=Angle | Cross Break=1 | C3=None |
| 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 | |
| | Item Volume=Segmented | |

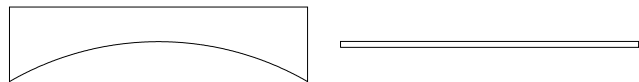
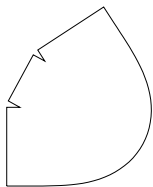
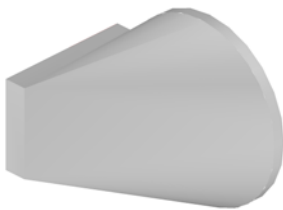
Seams

S1=None

Damper: None
None

Pattern: 85

Rectangular/Round



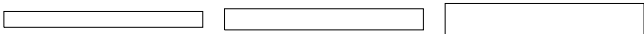
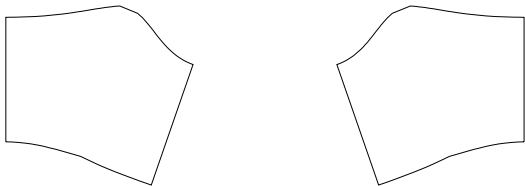
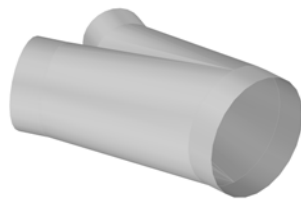
| Dims | | Options | Conn's |
|------------|-------------|-----------------------|---------|
| A=Width | B=Depth | Diameter Type=Nominal | C1=None |
| C=Diameter | D=Extension | Top Offset=0.000 | C2=None |
| E=Collar | | | |

Seams
S1=None

Damper:

Pattern: 86

Round



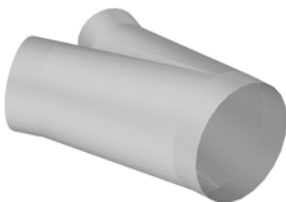
| Dims | | Options | Conn's |
|-------------------|--|----------------------------|---------|
| A=Bottom Diameter | | Add Collars To Body=No | C1=None |
| B=Left Diameter | | Flat Left=No | C2=None |
| C=Right Diameter | | Notch Angle For Seam=0.000 | C3=None |
| D=Height | | Slope Angle=0.000 | |
| 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

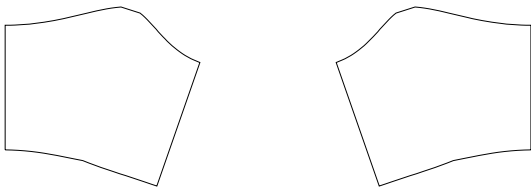
Round



| Dims | Options | Conn's |
|-------------------|----------------------------|---------|
| A=Bottom Diameter | Add Collars To Body=No | C1=None |
| B=Left Diameter | Flat Left=No | C2=None |
| C=Right Diameter | Notch Angle For Seam=0.000 | C3=None |
| D=Height | Slope Angle=0.000 | |
| E=Length | | |
| F=Left Angle | | |
| G=Right Angle | | |
| H=Bottom Collar | | |
| I=Left Collar | | |
| J=Right Collar | | |

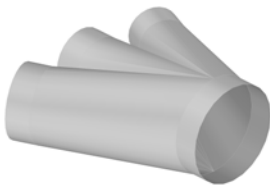
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 88

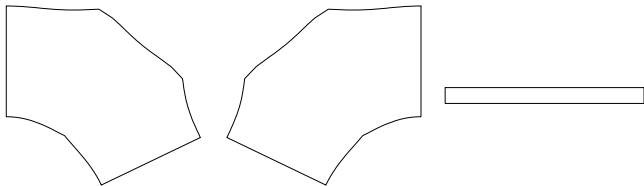
Round



| Dims | Options | Conn's |
|-------------------|----------------------------|---------|
| A=Bottom Diameter | Add Collars To Body=No | C1=None |
| B=Left Diameter | Flat Left=No | C2=None |
| C=Right Diameter | Notch Angle For Seam=0.000 | C3=None |
| D=Diameter | Slope Angle=0.000 | C4=None |
| E=Height | | |
| F=Length | | |
| G=Left Angle | | |
| H=Right Angle | | |
| I=Bottom Collar | | |
| J=Left Collar | | |
| K=Right Collar | | |
| L=Collar | | |

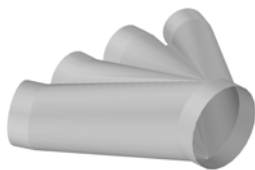
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 89

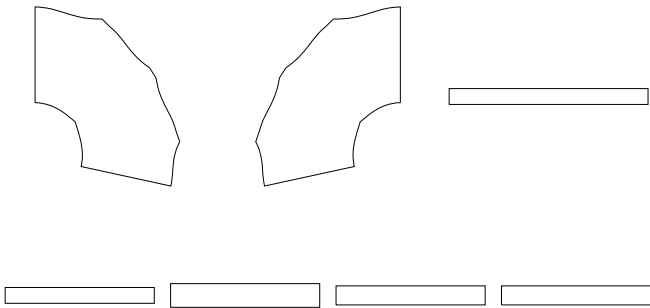
Round



| Dims | Options | Conn's |
|-------------------|----------------------------|---------|
| A=Bottom Diameter | Add Collars To Body=No | C1=None |
| B=Left Diameter | Flat Left=No | C2=None |
| C=Right Diameter | Notch Angle For Seam=0.000 | C3=None |
| D=Diameter | Slope Angle=0.000 | C4=None |
| E=Diameter | | C5=None |
| F=Height | | |
| G=Length | | |
| H=Left Angle | | |
| I=Right Angle | | |
| J=Bottom Collar | | |
| K=Left Collar | | |
| L=Right Collar | | |
| M=Collar | | |
| N=Collar | | |

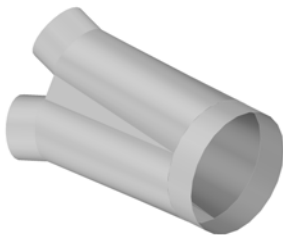
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 90

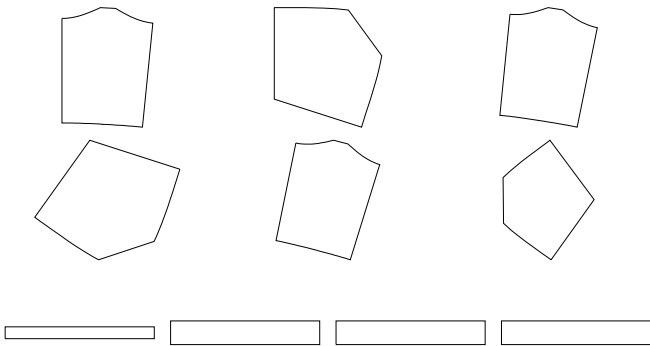
Round



| Dims | Options | Conn's |
|-------------------|---------|---------|
| A=Bottom Diameter | | C1=None |
| B=Top Diameter #2 | | C2=None |
| C=Top Diameter #3 | | C3=None |
| D=Top Diameter #4 | | C4=None |
| 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 | | |

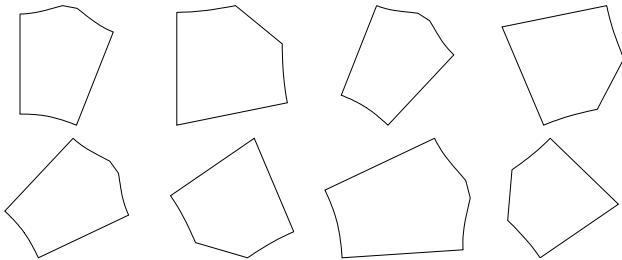
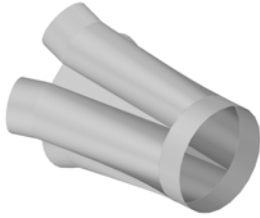
| Seams |
|---------|
| S1=None |
| S2=None |
| S3=None |

Damper:



Pattern: 91

Round



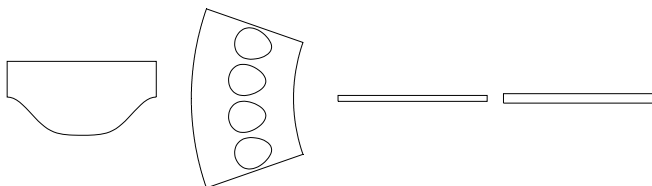
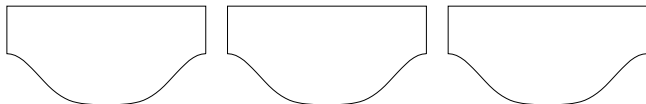
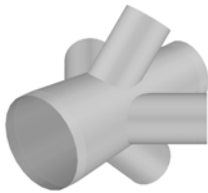
| Dims | Options | Conn's |
|-------------------|---------|---------|
| A=Bottom Diameter | | C1=None |
| B=Top Diameter #2 | | C2=None |
| C=Top Diameter #3 | | C3=None |
| D=Top Diameter #4 | | C4=None |
| E=Top Diameter #5 | | C5=None |
| F=Height | | |
| G=Length | | |
| H=Angle #2 | | |
| I=Angle #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

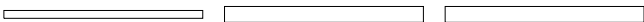
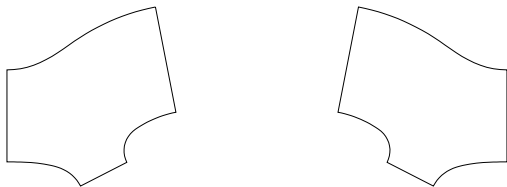
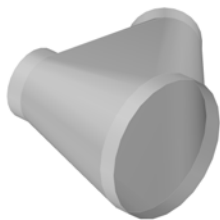


| Dims | Options | Conn's |
|----------------------|---------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Diameter | Branch Parts=1 | C2=None |
| C=Pipe Length | First Break=0.000 | C3=None |
| D=Left Extension | Second Break=0.000 | C4=None |
| E=Right Extension | Third Break=0.000 | C5=None |
| F=Branch Diameter #1 | Seam Position=45.000 | C6=None |
| 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 | Cut Back Allowance (%)=0.000 | |
| R=Branch Diameter #3 | End Castle Width =0.000 | |
| S=Branch Length #3 | End Castle Angle=30.000 | |
| T=Angle #3 | | |
| 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 | | |

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

Pattern: 93

Round



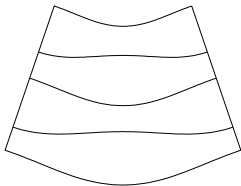
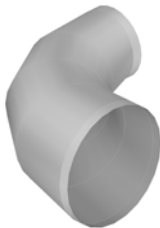
| Dims | Options | Conn's |
|-------------------|------------------------------|---------|
| A=Bottom Diameter | Bottom Diameter Type=Nominal | C1=None |
| B=Top Diameter | Left Diameter Type=Nominal | C2=None |
| C=Branch Diameter | Right Diameter Type=Nominal | C3=None |
| D=Angle | 2 Parts=Yes | |
| 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=None |
| B=Top Diameter | Seam Position=0.000 | C2=None |
| C=Centre Radius | Cross Break=1 | C3=None |
| D=Angle | Single Segments=No | |
| E=Bottom Collar | Diameter Type=Nominal | |
| F=Right Collar | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 96

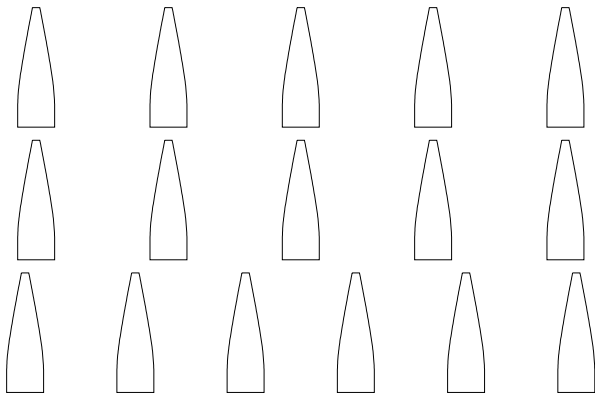
Round



| Dims | Options | Conn's |
|--------------------|-------------------------------|---------|
| A=Bottom Diameter | Number Of Segments=16 | C1=None |
| 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 | |

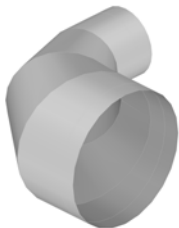
Seams
S1=None

Damper:



Pattern: 97

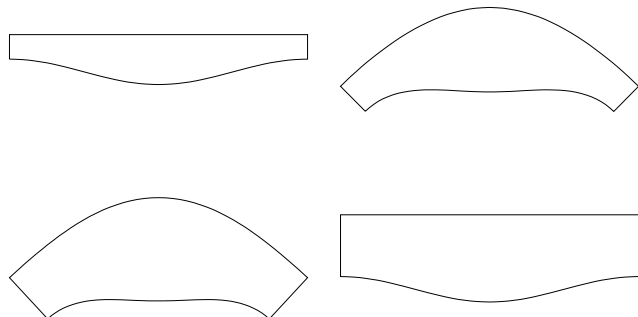
Round



| Dims | Options | Conn's |
|--------------------|------------------------------|---------|
| A=Bottom Diameter | Number Of Segments=4 | C1=None |
| B=Top Diameter | Seam Position=0.000 | C2=None |
| C=Centre Radius | Cross Break=1 | C3=None |
| 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 | |

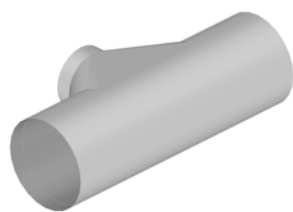
Seams
S1=None

Damper: None
None



Pattern: 98

Round



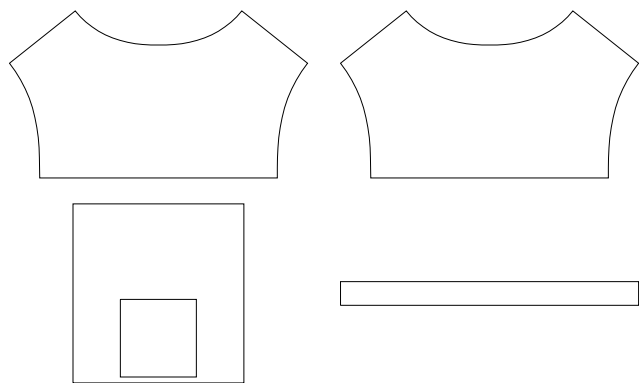
| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Branch Diameter Type=Nominal | C2=None |
| C=Left Extension | Branch Diameter Type=Nominal | C3=None |
| D=Right Extension | Hole Adjust=0.000 | |
| 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

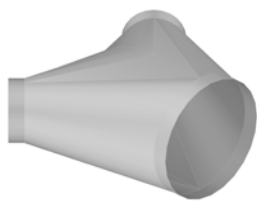
S2=None

Damper:



Pattern: 99

Round

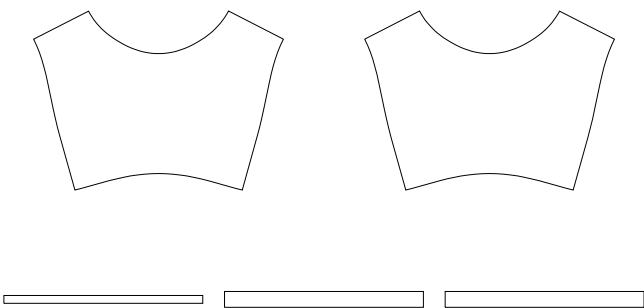


| Dims | Options | Conn's |
|-------------------|------------------------------|---------|
| A=Bottom Diameter | Bottom Diameter Type=Nominal | C1=None |
| B=Left Diameter | Left Diameter Type=Nominal | C2=None |
| C=Right Diameter | Right Diameter Type=Nominal | C3=None |
| D=Left Angle | Seam Position=Top | C4=None |
| E=Right Angle | Marker Type=Notch | |
| F=Bottom Collar | | |
| G=Left Collar | | |
| H=Right Collar | | |

Seams

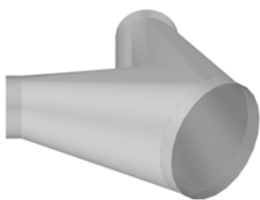
S1=None

Damper:



Pattern: 100

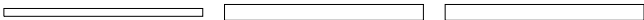
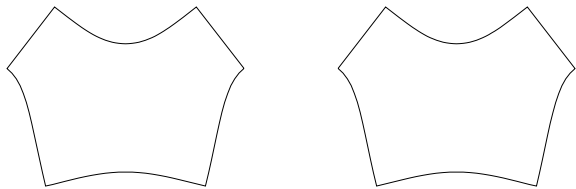
Round



| Dims | Options | Conn's |
|-------------------|------------------------------|---------|
| A=Bottom Diameter | Bottom Diameter Type=Nominal | C1=None |
| B=Left Diameter | Left Diameter Type=Nominal | C2=None |
| C=Right Diameter | Right Diameter Type=Nominal | C3=None |
| D=Left Angle | Seam Position=Top | C4=None |
| E=Right Angle | Marker Type=Notch | |
| F=Left Length | | |
| G=Right Length | | |
| H=Height | | |
| I=Bottom Collar | | |
| J=Left Collar | | |
| K=Right Collar | | |

Seams

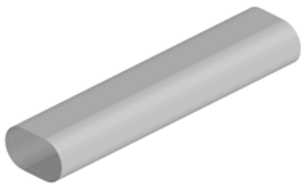
S1=None



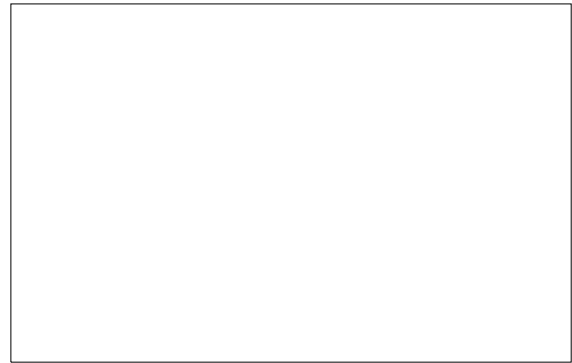
Damper:

Pattern: 101

Flat Oval



| Dims | Options | Conn's |
|-------------------|-----------------------|---------|
| A=Width | Pipe Parts=1 | C1=None |
| B=Depth | Seam Position=Corner | C2=None |
| C=Length | Diameter Type=Nominal | |
| D=Left Extension | Duct Length=(inch) | |
| E=Right Extension | | |

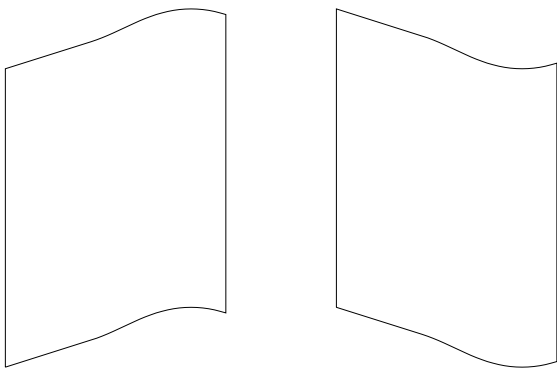
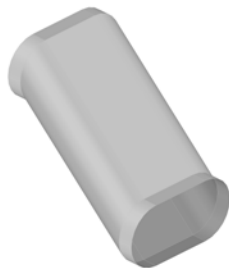


| Seams |
|---------|
| S1=None |

Damper:

Pattern: 102

Flat Oval



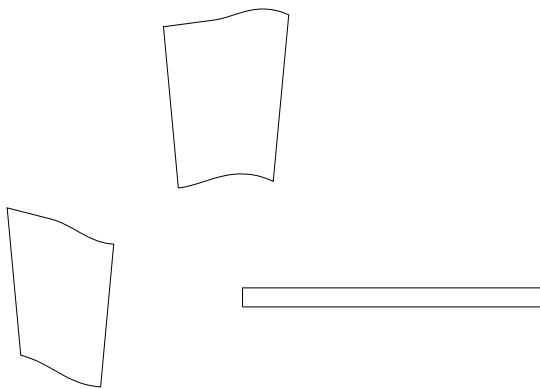
| Dims | Options | Conn's |
|----------------|----------------------------|---------|
| A=Major Axis | Diameter Type BE=Nominal | C1=None |
| B=Minor Axis | Diameter Type SE=Nominal | C2=None |
| C=Major Axis | Same Seams On Each Part=No | |
| D=Minor Axis | | |
| E=Length | | |
| F=Offset Width | | |
| G=Offset Depth | | |
| H=Collar | | |
| I=Collar | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 103

Round/Flat Oval



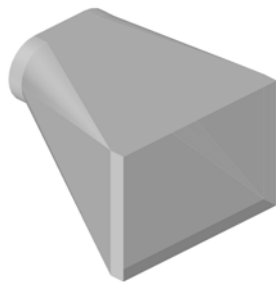
| Dims | Options | Conn's |
|----------------|----------------------------|---------|
| A=Width | Cross Break=2 | C1=None |
| B=Depth | Diameter Type BE=Nominal | C2=None |
| C=Diameter | Diameter Type SE=Nominal | |
| D=Length | Seam Position=Corner | |
| E=Offset Width | Inlet=1 | |
| F=Offset Depth | Outlet=2 | |
| G=Oval Collar | Same Seams On Each Part=No | |
| H=Round Collar | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 104

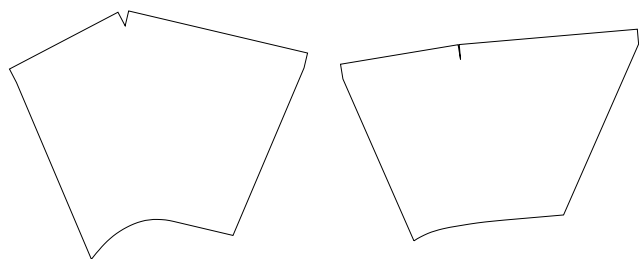
Rectangular/Flat Oval



| Dims | Options | Conn's |
|------------------|----------------------------|---------|
| A=Width | Cross Break=2 | C1=None |
| B=Depth | Diameter Type=Nominal | C2=None |
| 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 | |

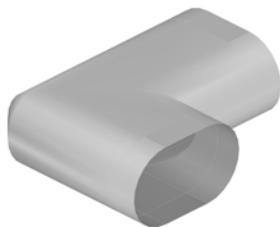
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 105

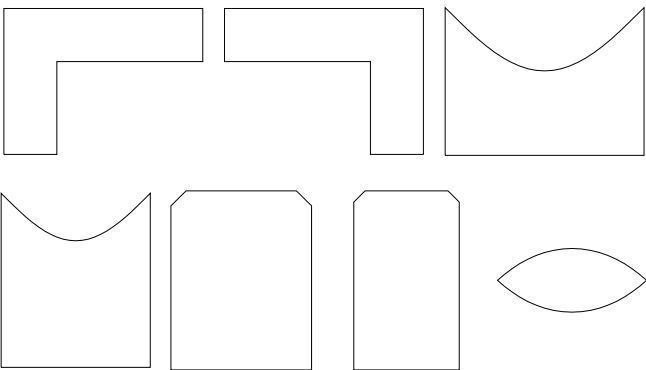
Flat Oval



| Dims | Options | Conn's |
|--------------------|-----------------------|---------|
| A=Width | Diameter Type=Nominal | C1=None |
| B=Depth | Splitters=0 | C2=None |
| C=Corner Radius | Splitter Radius=Auto | C3=None |
| D=Bottom Extension | Splitter Adjust=0.000 | |
| E=Right Extension | Inlet=2 | |
| F=Bottom Collar | Outlet=3 | |
| G=Right Collar | | |

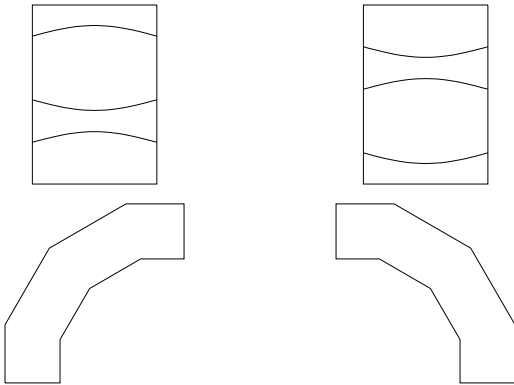
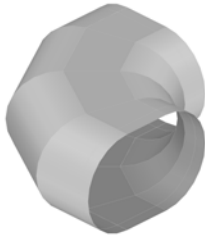
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 106

Flat Oval



| Dims | Options | Conn's |
|--------------------|-------------------------------|---------|
| A=Width | Number Of Segments=4 | C1=None |
| B=Depth | Diameter Type=Nominal | C2=None |
| C=Inner Radius | Nest Break Start Segment=0 | C3=None |
| 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 Adjust=0.000 | |
| | Splitter Shape=Angled | |

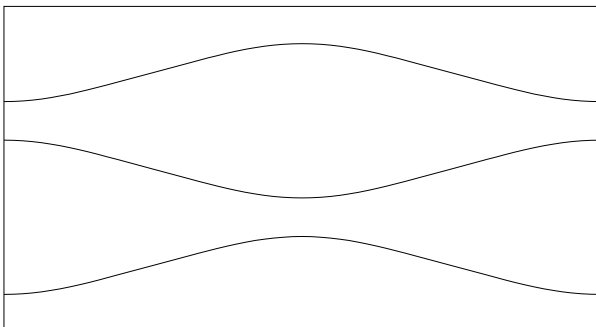
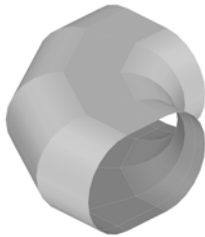
Seams

S1=None
S2=None

Damper:

Pattern: 107

Flat Oval



| Dims | Options | Conn's |
|--------------------|-------------------------------------|---------|
| A=Width | Number Of Segments=4 | C1=None |
| B=Depth | Diameter Type=Nominal | C2=None |
| C=Inner Radius | Seam Position=Throat | C3=None |
| 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 Adjust=0.000 | |
| | Splitter Shape=Angled | |
| | Automatic Nest Break If Oversize=No | |

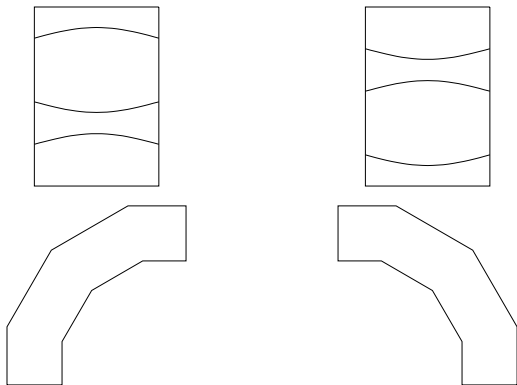
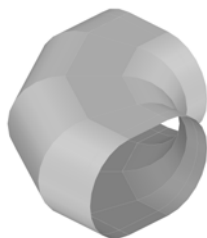
Seams

S1=None
S2=None

Damper:

Pattern: 108

Flat Oval



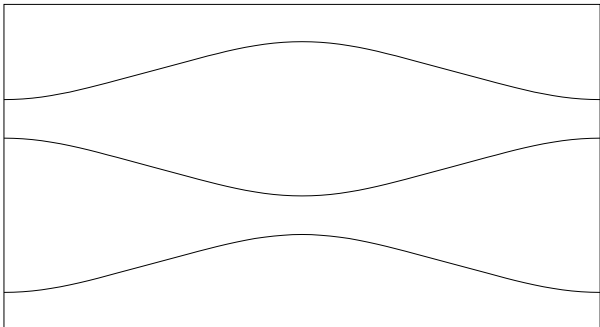
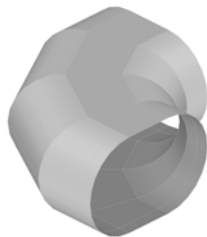
| Dims | Options | Conn's |
|--------------------|-------------------------------|---------|
| A=Width | Number Of Segments=4 | C1=None |
| B=Depth | Diameter Type=Nominal | C2=None |
| C=Inner Radius | Nest Break Start Segment=0 | C3=None |
| D=Angle | Nest Break End Segment=0 | |
| E=Bottom Extension | Notch Angle For Seam=0 | |
| F=Top Extension | Leg Lengths=No | |
| | Length Includes Extensions=No | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 109

Flat Oval



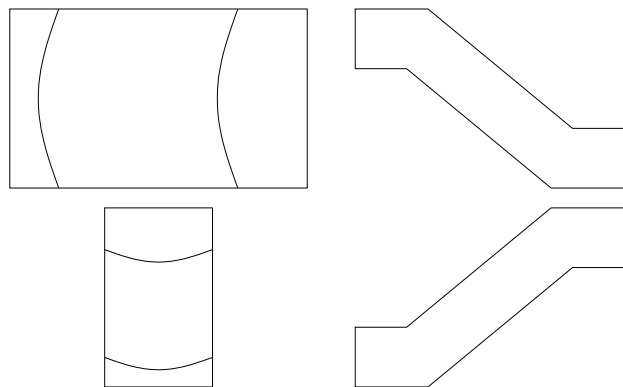
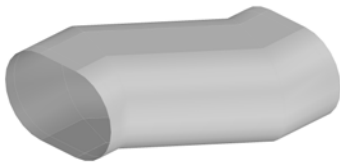
| Dims | Options | Conn's |
|--------------------|-------------------------------|---------|
| A=Width | Number Of Segments=4 | C1=None |
| B=Depth | Diameter Type=Nominal | C2=None |
| C=Inner Radius | Seam Position=Throat | C3=None |
| D=Angle | Single Segments=No | |
| E=Bottom Extension | Nest Break 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 | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 110

Flat Oval



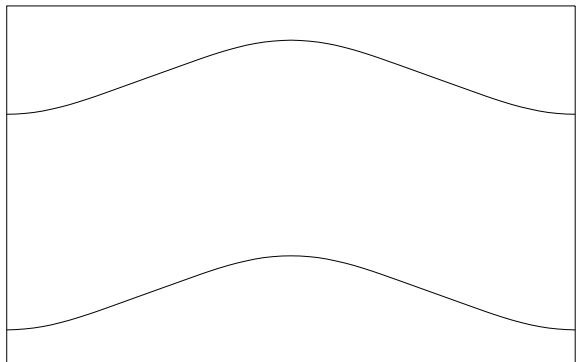
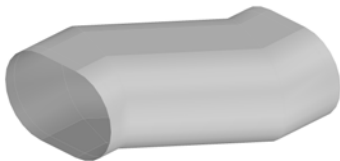
| Dims | Options | Conn's |
|-------------------|-----------------------|---------|
| A=Width | Diameter Type=Nominal | C1=None |
| B=Depth | | C2=None |
| C=Length | | C3=None |
| D=Offset Width | | |
| E=Left Extension | | |
| F=Right Extension | | |
| G=Left Collar | | |
| H=Right Collar | | |
| I=Offset Depth | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 111

Flat Oval



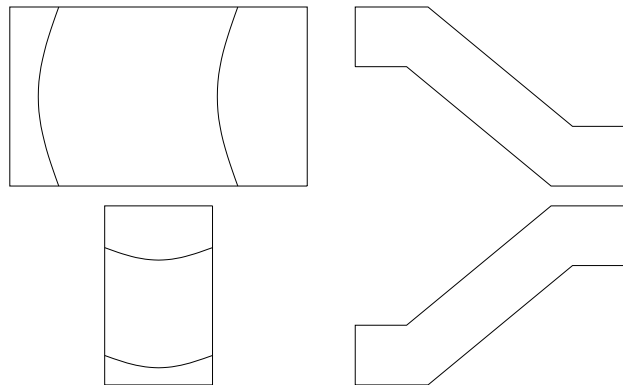
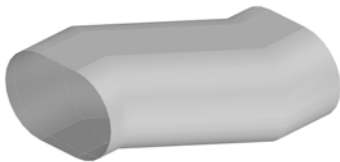
| Dims | Options | Conn's |
|-------------------|-------------------------------------|---------|
| A=Width | Seam Position=Bottom | C1=None |
| B=Depth | Single Segments=No | C2=None |
| C=Length | Diameter Type=Nominal | C3=None |
| D=Offset Width | Cross Break=1 | |
| E=Left Extension | Automatic Nest Break If Oversize=No | |
| F=Right Extension | | |
| G=Left Collar | | |
| H=Right Collar | | |
| I=Offset Depth | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 112

Flat Oval



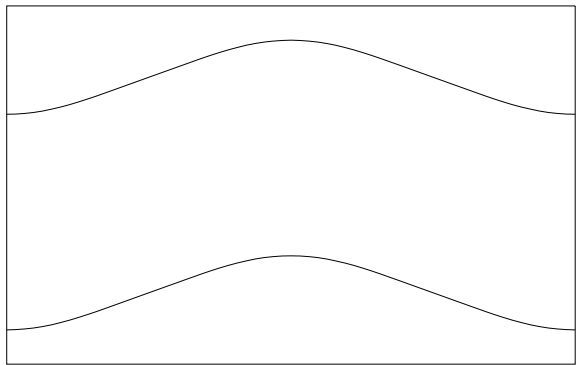
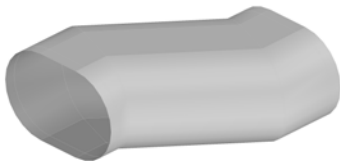
| Dims | Options | Conn's |
|-------------------|---------------------------------|---------|
| A=Width | Diameter Type=Nominal | C1=None |
| B=Depth | Marker Notches On Easy Flats=No | C2=None |
| C=Length | | C3=None |
| D=Offset Width | | |
| E=Left Extension | | |
| F=Right Extension | | |
| G=Left Collar | | |
| H=Right Collar | | |
| I=Offset Depth | | |

Seams
S1=None

Damper:

Pattern: 113

Flat Oval



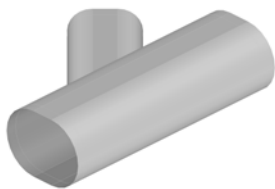
| Dims | Options | Conn's |
|-------------------|-----------------------|---------|
| A=Width | Seam Position=Bottom | C1=None |
| B=Depth | Single Segments=No | C2=None |
| C=Length | Diameter Type=Nominal | C3=None |
| D=Offset Width | Cross Break=1 | |
| E=Left Extension | | |
| F=Right Extension | | |
| G=Left Collar | | |
| H=Right Collar | | |
| I=Offset Depth | | |

Seams
S1=None

Damper:

Pattern: 114

Flat Oval

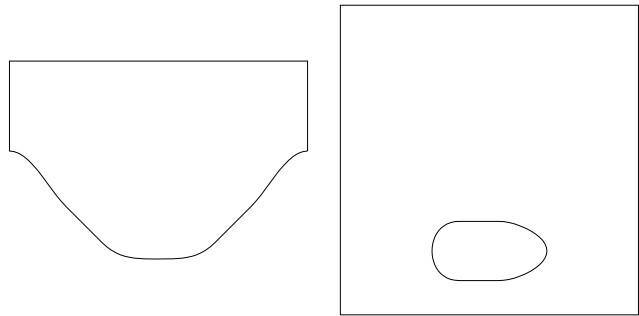


| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Width | Pipe Parts=1 | C1=None |
| B=Depth | Branch Parts=1 | C2=None |
| C=Length | Pipe Diameter Type=Nominal | C3=None |
| D=Left Extension | Branch Diameter Type=Nominal | |
| E=Right Extension | Seam 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 | | |
| I=Angle #1 | | |
| J=Inset #1 | | |
| K=Offset #1 | | |
| L=Extension #1 | | |

Seams

S1=None

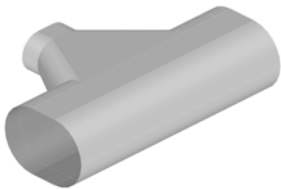
S2=None



Damper:

Pattern: 115

Flat Oval



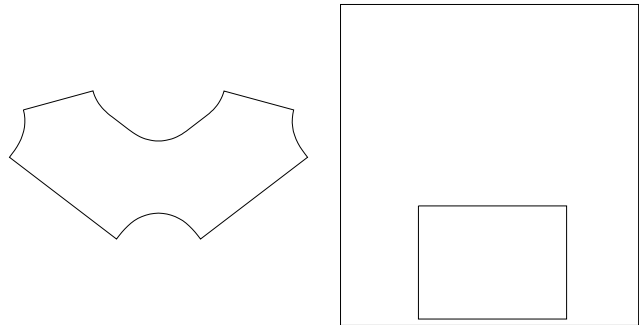
| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Major Axis | Pipe Parts=1 | C1=None |
| B=Minor Axis | Branch Parts=1 | C2=None |
| C=Pipe Length | Pipe Seam Position=0.000 | C3=None |
| D=Left Extension | Pipe Diameter Type=Nominal | |
| E=Right Extension | 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=None

S2=None

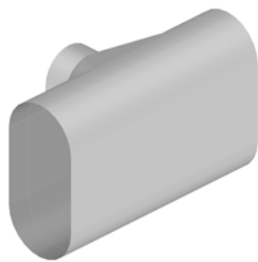
S3=None



Damper:

Pattern: 116

Flat Oval

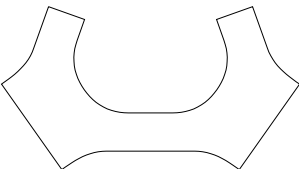
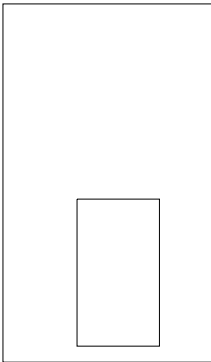


| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Minor Axis | Pipe Parts=1 | C1=None |
| B=Major Axis | Branch Parts=1 | C2=None |
| C=Pipe Length | Pipe Seam Position=0.000 | C3=None |
| D=Left Extension | Pipe Diameter Type=Nominal | |
| E=Right Extension | 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=None

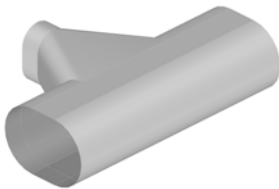
S2=None



Damper:

Pattern: 117

Flat Oval



| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Major Axis | Pipe Parts=1 | C1=None |
| B=Minor Axis | Branch Parts=1 | C2=None |
| C=Pipe Length | Pipe Seam Position=0.000 | C3=None |
| 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 | | |

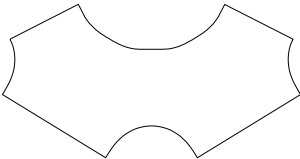
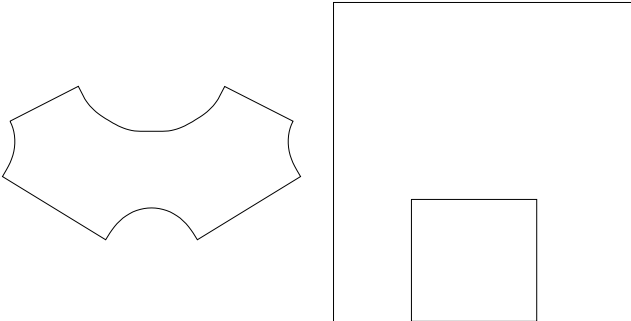
Seams

S1=None

S2=None

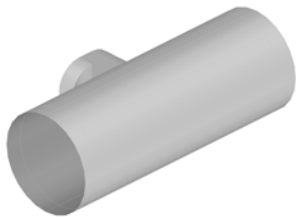
S3=None

Damper:



Pattern: 118

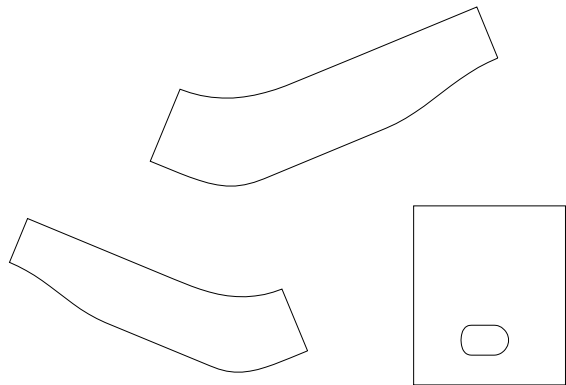
Flat Oval



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Major Axis | Pipe Parts=1 | C1=None |
| B=Minor Axis | Pipe Seam Position=0.000 | C2=None |
| C=Pipe Length | Pipe Diameter Type=Nominal | C3=None |
| 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 | |

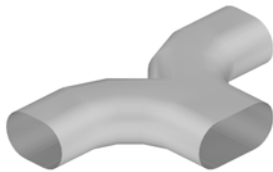
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 119

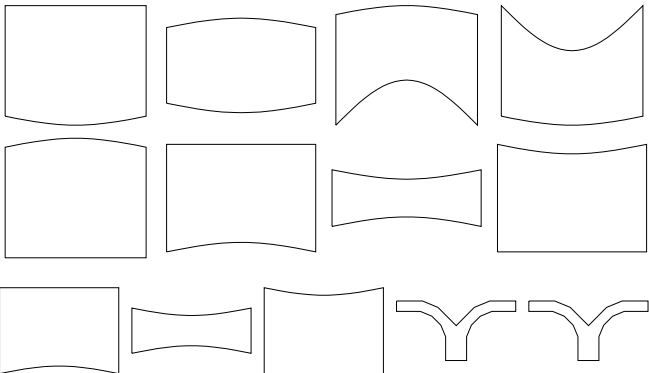
Flat Oval



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

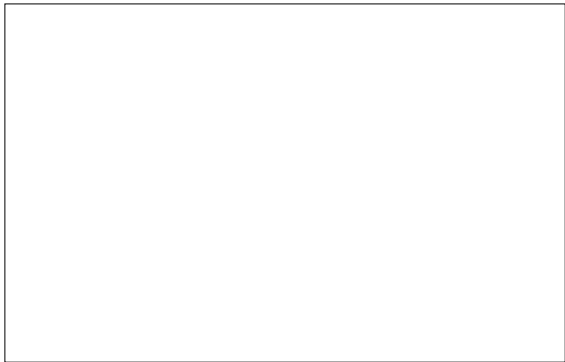
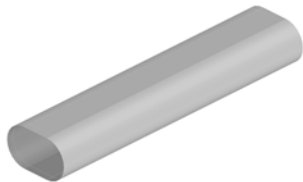
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 120

Flat Oval



| Dims | | Options | Conn's |
|-------------------|--|-----------------------|---------|
| A=Width | | Diameter Type=Nominal | C1=None |
| B=Depth | | Duct Length=(inch) | C2=None |
| C=Length | | Area Adjust (%)=0.000 | |
| D=Left Extension | | | |
| E=Right Extension | | | |

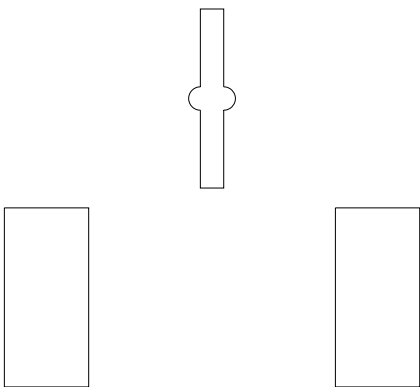
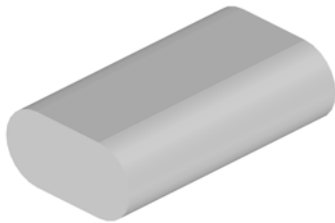
Seams

S1=None

Damper:

Pattern: 121

Flat Oval



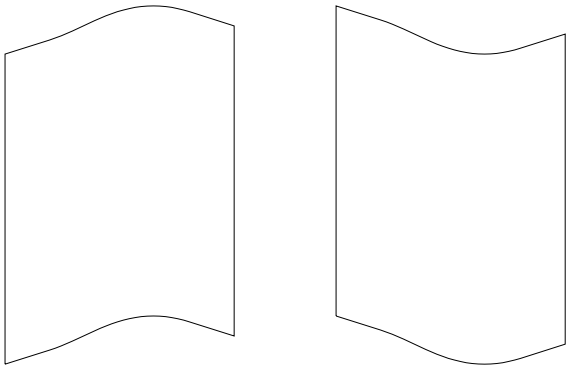
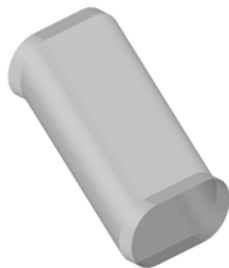
| Dims | | Options | Conn's |
|------------|---------|--------------------------|---------|
| A=Width | B=Depth | Collar=2 Parts | C1=None |
| C=Turnover | | Diameter Type=Nominal | |
| | | Turnover Allowance=0.000 | |

Seams

Damper:

Pattern: 122

Flat Oval



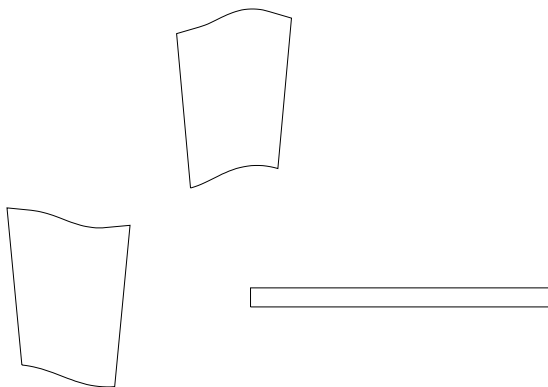
| Dims | Options | Conn's |
|----------------|----------------------------|---------|
| A=Major Axis | Diameter Type BE=Nominal | C1=None |
| B=Minor Axis | Diameter Type SE=Nominal | C2=None |
| C=Major Axis | Same Seams On Each Part=No | |
| D=Minor Axis | | |
| E=Length | | |
| F=Offset Width | | |
| G=Offset Depth | | |
| H=Collar | | |
| I=Collar | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 123

Round/Flat Oval



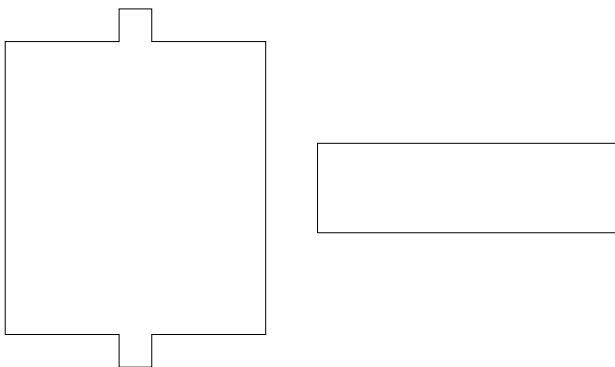
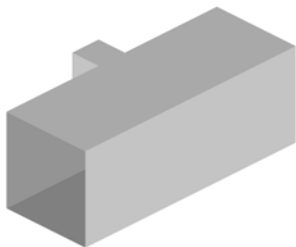
| Dims | Options | Conn's |
|----------------|----------------------------|---------|
| A=Width | Diameter Type BE=Nominal | C1=None |
| B=Depth | Diameter Type SE=Nominal | C2=None |
| C=Diameter | Seam Position=Major Axis | |
| D=Length | Inlet=1 | |
| E=Offset Width | Outlet=2 | |
| F=Offset Depth | Same Seams On Each Part=No | |
| G=Oval Collar | | |
| H=Round Collar | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 124

Rectangular



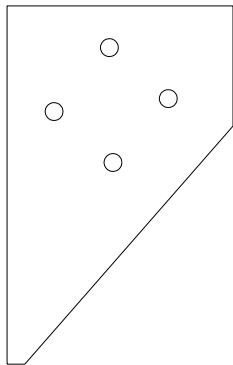
| Dims | | Options | Conn's |
|----------|---------|-----------------------|---------|
| A=Width | B=Depth | 3 Parts=No | C1=None |
| C=Length | D=Width | Damper Position=Depth | C2=None |
| E=Height | F=Inset | | |

Seams
S1=None

Damper:

Pattern: 125

Standard



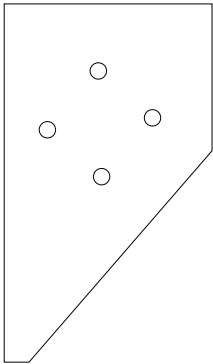
| Dims | | Options | Conn's |
|----------------|-----------------|-------------------|--------|
| A=X-Offset | B=Y-Offset | Holes On Length=2 | |
| C=X Pitch | D=Y Pitch | | |
| E=Hole Inset | F=Hole Spacing | | |
| G=Hole Spacing | H=Top Width | | |
| I=Right Height | J=Right Offset | | |
| K=Btm Width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

Seams

Damper:

Pattern: 126

Standard



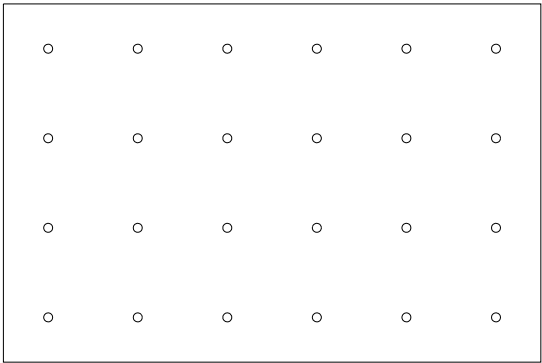
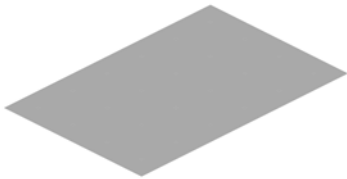
| Dims | Options | Conn's |
|-----------------|-------------------|--------|
| A=X-Offset | Holes On Length=2 | |
| B=Y-Offset | | |
| C=X Pitch | | |
| D=Y Pitch | | |
| E=Hole Inset | | |
| F=Hole Spacing | | |
| G=Hole Spacing | | |
| H=Top Width | | |
| I=Left Height | | |
| J=Inset | | |
| K=Hole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

Seams

Damper:

Pattern: 127

Standard



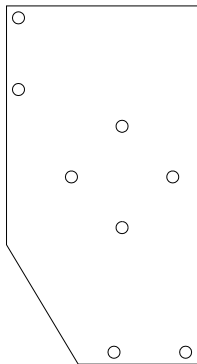
| Dims | Options | Conn's |
|-------------------|--------------------|--------|
| A=Width | Vee Notch Angle=90 | |
| B=Depth | Duct Adjust=0.000 | |
| C=X-Offset | Notch= | |
| D=Y-Offset | Notch= | |
| E=X Distance | Notch= | |
| F=Y Distance | Notch= | |
| G=Holes On Length | | |
| H=Holes On Height | | |
| I=Hole Diameter | | |

Seams

Damper:

Pattern: 128

Standard



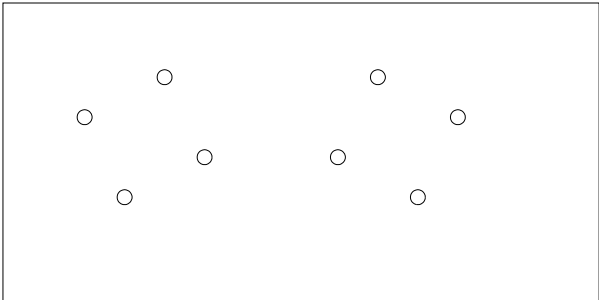
| Dims | Options | Conn's |
|-----------------|---------------------|--------|
| A=X-Offset | Holes On Length=2 | |
| B=Y-Offset | Corner Style=Mitred | |
| C=X Pitch | Hole Diameter=0.500 | |
| D=Y Pitch | Holes On Width=2 | |
| E=Hole Inset | Hole Spacing=3.000 | |
| F=Hole Spacing | Hole Inset=0.500 | |
| 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 | | |
| M=Inset | | |
| N=X Distance | | |
| O=Y Distance | | |

Seams

Damper:

Pattern: 129

Standard



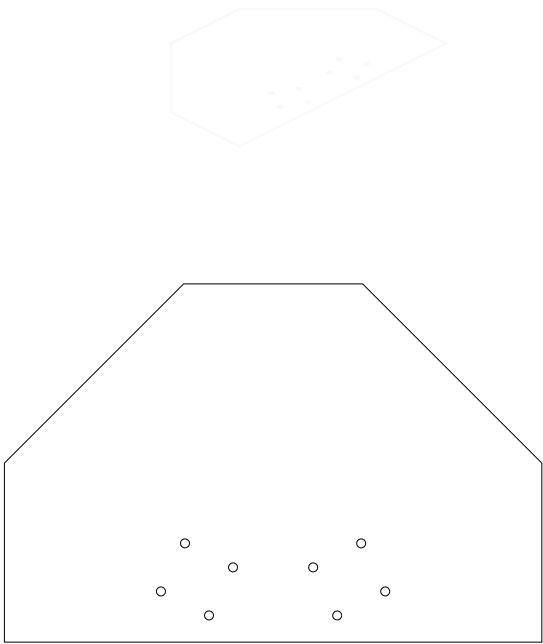
| Dims | Options | Conn's |
|----------------|---------------------|--------|
| A=X-Offset | Holes On Length=2 | |
| B=Y-Offset | Holes On Length=2 | |
| C=Width | Hole Diameter=0.500 | |
| D=Height | | |
| E=X Pitch | | |
| F=Y Pitch | | |
| G=Hole Inset | | |
| H=Hole Spacing | | |
| I=Hole Spacing | | |
| 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

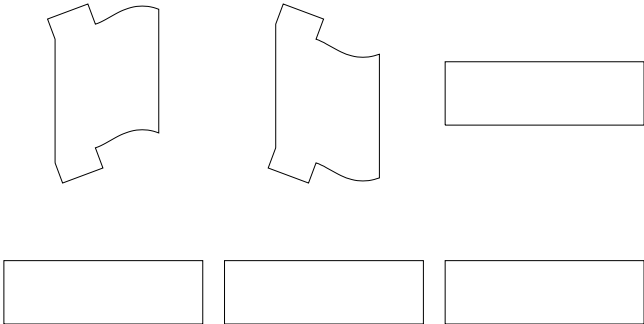


| Dims | Options | Conn's |
|-----------------|-------------------------------|---------|
| A=Major Axis | Cross Break=2 | C1=None |
| B=Minor Axis | Diameter Type BE=Nominal | C2=None |
| C=Major Axis | Diameter Type SE=Nominal | |
| D=Minor Axis | Collar Arcs - Lap=0.000 | |
| E=Length | Collar Arcs - 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

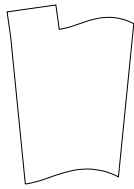
S1=None

Damper:



Pattern: 133

Round/Flat Oval



| Dims | Options | Conn's |
|------------------|-------------------------------|---------|
| A=Width | Cross Break=2 | C1=None |
| B=Depth | Diameter Type BE=Nominal | C2=None |
| 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 | |

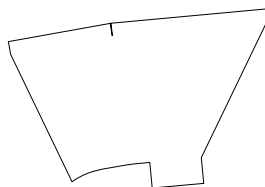
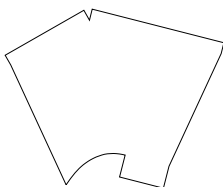
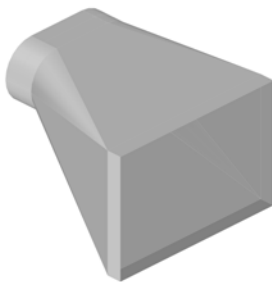
Seams

S1=None

Damper:

Pattern: 134

Rectangular/Flat Oval



| Dims | Options | Conn's |
|------------------|-------------------------------|---------|
| A=Width | Cross Break=2 | C1=None |
| B=Depth | Diameter Type=Nominal | C2=None |
| 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 | |

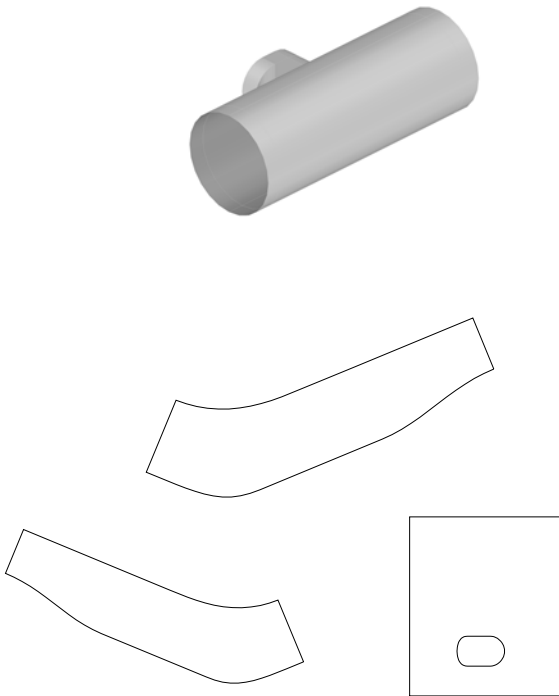
Seams

S1=None

Damper:

Pattern: 135

Flat Oval



| Dims | Options | Conn's |
|-----------------------|--------------------------------|---------|
| A=Major Axis | Pipe Parts=1 | C1=None |
| B=Minor Axis | Pipe Seam Position=0.000 | C2=None |
| C=Pipe Length | Pipe Diameter Type=Nominal | C3=None |
| 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 | |

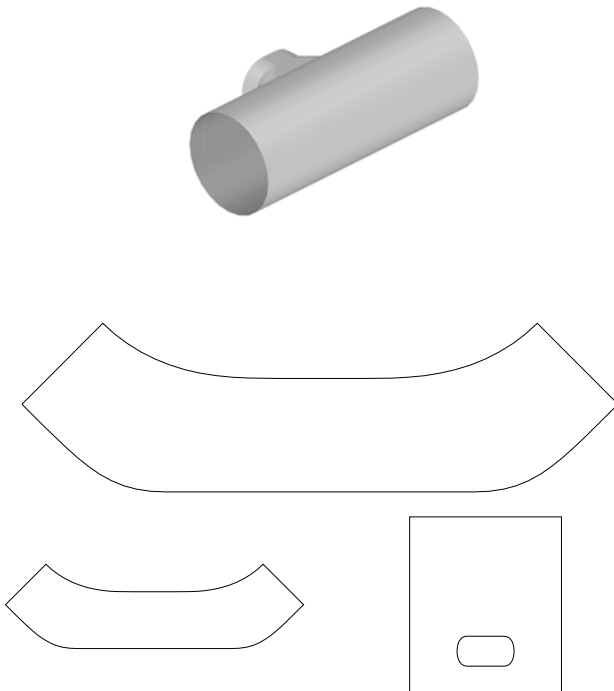
Seams

S1=None
S2=None

Damper:

Pattern: 136

Flat Oval



| Dims | Options | Conn's |
|-----------------------|--------------------------------|---------|
| A=Major Axis | Pipe Parts=1 | C1=None |
| B=Minor Axis | Pipe Seam Position=0.000 | C2=None |
| C=Pipe Length | Pipe Diameter Type=Nominal | C3=None |
| 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 | |

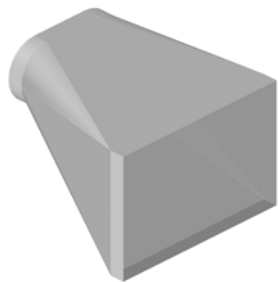
Seams

S1=None
S2=None

Damper:

Pattern: 137

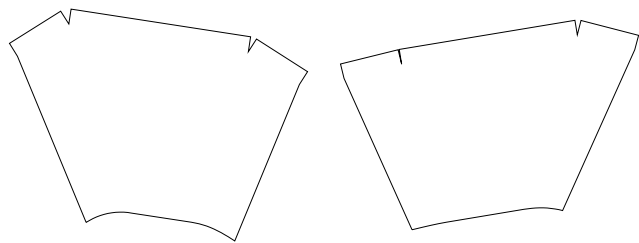
Rectangular/Flat Oval



| Dims | Options | Conn's |
|------------------|----------------------------|---------|
| A=Width | Cross Break=2 | C1=None |
| B=Depth | Diameter Type=Nominal | C2=None |
| 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 | |

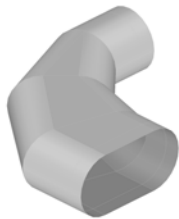
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 139

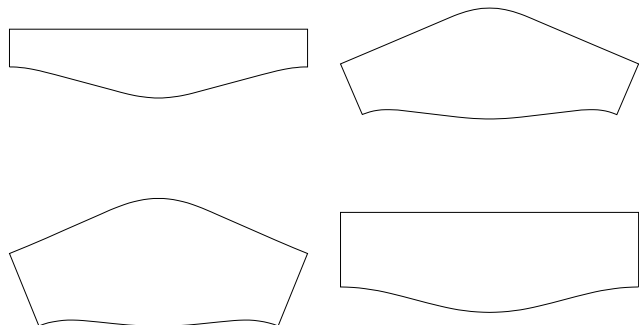
Flat Oval



| Dims | Options | Conn's |
|--------------------|------------------------------|---------|
| A=Btm Width | Number Of Segments=4 | C1=None |
| B=Btm Depth | Bottom Diameter Type=Nominal | C2=None |
| C=Top Width | Top Diameter Type=Nominal | C3=None |
| D=Top Depth | Seam Position=Throat | |
| E=Centre Radius | Cross Break=1 | |
| F=Angle | | |
| G=Offset | | |
| H=Bottom Extension | | |
| I=Top Extension | | |

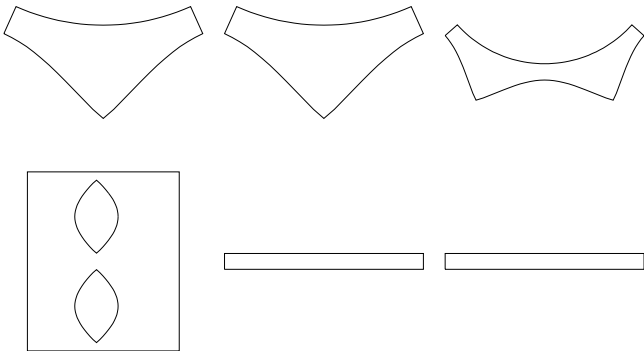
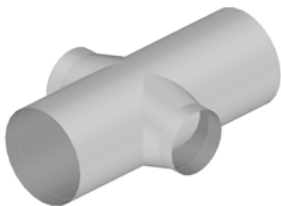
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 140

Flat Oval



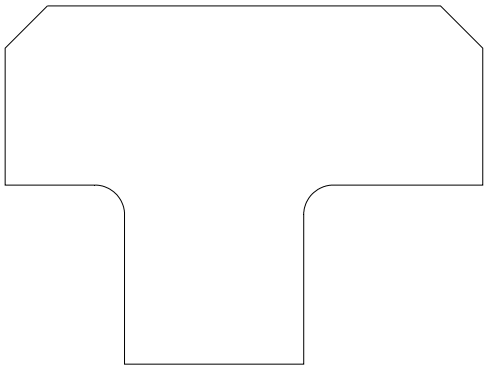
| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Major Axis | Pipe Parts=1 | C1=None |
| B=Minor Axis | Pipe Seam Position=0.000 | C2=None |
| C=Pipe Length | Pipe Diameter Type=Nominal | C3=None |
| D=Left Extension | Hole Adjust=0.000 | C4=None |
| E=Right 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 | | |
| Q=Branch Length #2 | | |
| R=Btm Width #2 | | |
| S=Angle #2 | | |
| T=Inset #2 | | |
| U=Offset #2 | | |
| V=Rotation #2 | | |
| W=Collar #2 | | |

| Seams |
|---------|
| S1=None |
| S2=None |
| S3=None |

Damper:

Pattern: 141

Standard



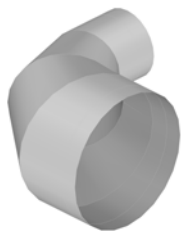
| Dims | Options | Conn's |
|-------------------|---------|--------|
| A=Left Width | | |
| B=Btm Width | | |
| C=Right Width | | |
| D=Base Height | | |
| E=Right Height | | |
| F=Hole Inset | | |
| G=Hole Offset | | |
| H=Hole Spacing | | |
| I=Hole Spacing | | |
| J=Hole Diameter | | |
| K=Holes On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

| Seams |
|-------|
|-------|

Damper:

Pattern: 142

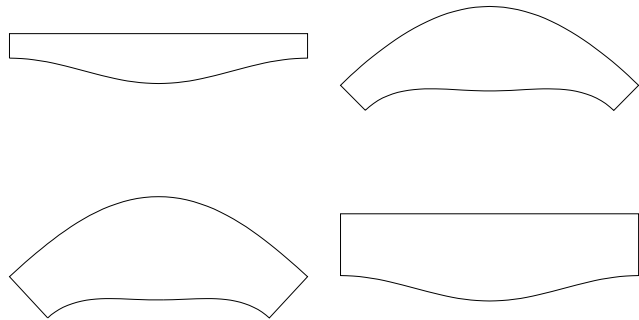
Round



| Dims | Options | Conn's |
|--------------------|------------------------------|---------|
| A=Bottom Diameter | Number Of Segments=4 | C1=None |
| B=Top Diameter | Seam Position=0.000 | C2=None |
| C=Centre Radius | Cross Break=1 | C3=None |
| 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 | |

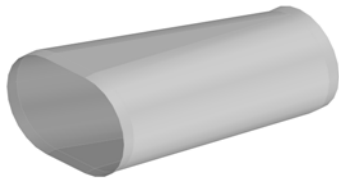
Seams
S1=None

Damper: None
None



Pattern: 147

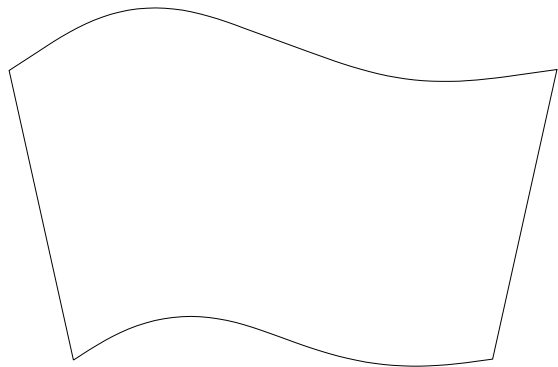
Flat Oval



| Dims | Options | Conn's |
|-----------------|---------------------------|---------|
| A=Width In | Seam Position=Major Axis | C1=None |
| B=Depth In | Cross Break=1 | C2=None |
| C=Width Out | Diameter Type In=Nominal | C3=None |
| 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 | | |

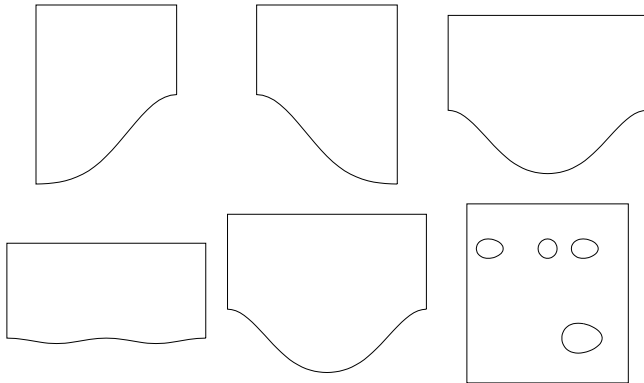
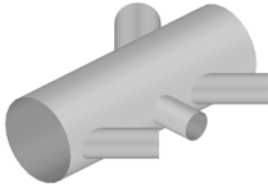
Seams
S1=None

Damper:



Pattern: 148

Round



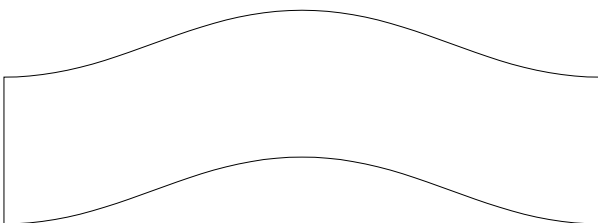
| Dims | Options | | Conn's |
|----------------------|------------------------|------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | Hole Adjust=0.000 | C1=None |
| B=Pipe Length | First Break=0.000 | Castle Width=0.000 | C2=None |
| C=Left Extension | Second Break=0.000 | Castle Angle=30.000 | C3=None |
| D=Right Extension | Third Break=0.000 | Round Allowance T... | C4=None |
| E=Branch Diameter #1 | Seam Position=0.000 | Flat Allowance To P... | C5=None |
| F=Branch Length #1 | Pipe Diameter Typ... | Hole Adjust=0.000 | C6=None |
| G=Angle #1 | Branch Type=Straig... | Castle Width=0.000 | |
| H=Inset #1 | Branch Diameter T... | Castle Angle=30.000 | |
| I=Offset #1 | Branch Parts=2 | Round Allowance T... | |
| J=Rotation #1 | Branch Type=Straig... | Flat Allowance To P... | |
| K=Extension #1 | Branch Diameter T... | Hole Adjust=0.000 | |
| L=Branch Diameter #2 | Branch Parts=1 | Castle Width=0.000 | S1=None |
| M=Branch Length #2 | Branch Type=Straig... | Castle Angle=30.000 | S2=None |
| N=Angle #2 | Branch Diameter T... | | S3=None |
| O=Inset #2 | Branch Parts=1 | | S4=None |
| P=Offset #2 | Branch Type=Straig... | | S5=None |
| Q=Rotation #2 | Branch Diameter T... | | Damper: |
| R=Extension #2 | Branch Parts=1 | | |
| S=Branch Diameter #3 | Diameter Reductio... | | |
| T=Branch Length #3 | Shoe Seam Position... | | |
| 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... | | |

Seams

S1=None
S2=None
S3=None
S4=None
S5=None

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 | C3=None |
| D=Body Diameter | Pipework=No | |
| | Adjust=0.000 | |
| | Include=Yes | |
| | Right Offset=6.000 | |
| | Left Offset=6.000 | |
| | Develop X Size For Diameter=No | |
| | Inlet=1 | |
| | Outlet=2 | |

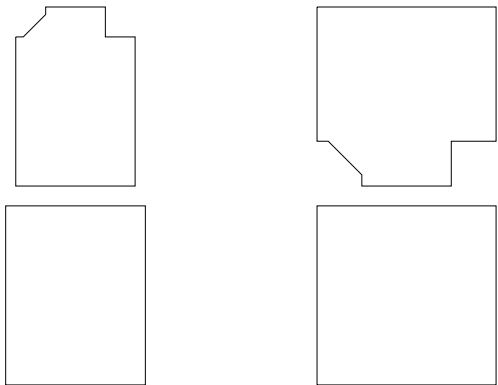
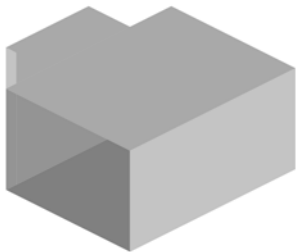
Seams

S1=None

Damper:

Pattern: 150

Rectangular



| Dims | Options | Conn's |
|-------------------|----------------------------------|---------|
| A=Width | Throat Type=Mitred | C1=None |
| B=Depth | 2 Parts=Yes | C2=None |
| C=Length | Vee Depth Male=Auto | C3=None |
| 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 | |

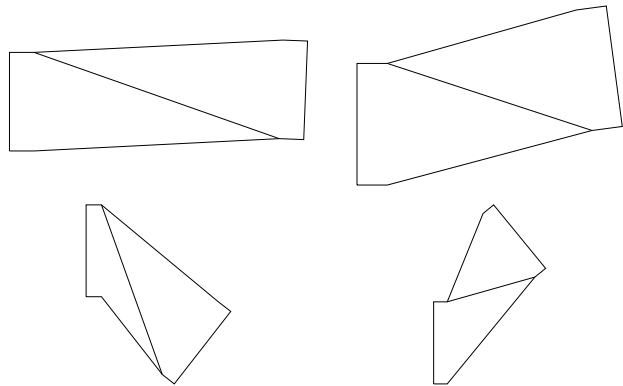
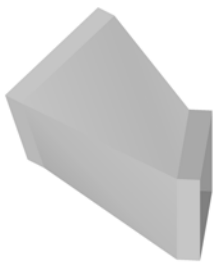
Seams

S1=None

Damper:

Pattern: 151

Rectangular



| Dims | Options | Conn's |
|-----------------|------------------------|---------|
| A=Width In | Folds=Out | C1=None |
| B=Depth In | Offset Width=Right In | C2=None |
| C=Width Out | Offset Depth=Bottom Up | |
| D=Depth Out | New Pattern=No | |
| E=Length | | |
| F=Angle | | |
| G=Extension In | | |
| H=Extension Out | | |
| I=Offset Width | | |
| J=Offset Depth | | |
| K=Twist Angle | | |

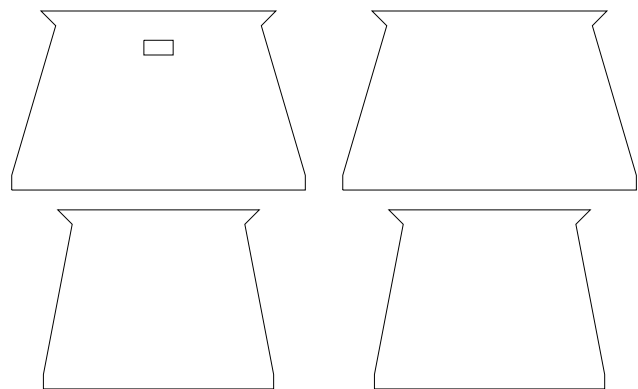
Seams

S1=None

Damper:

Pattern: 152

Rectangular



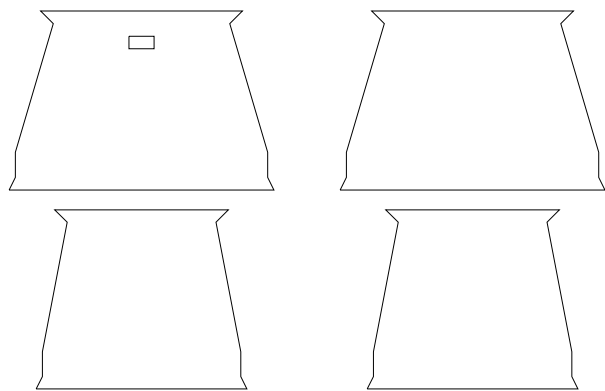
| Dims | Options | Conn's |
|-------------|-------------------|---------|
| A=Btm Width | Hole Length=4.000 | C1=None |
| B=Btm Depth | Hole Width=2.000 | C2=None |
| C=Top Width | X-Offset=0.000 | |
| D=Top Depth | Y-Offset=2.000 | |
| E=Height | Break=40.000 | |
| F=Flange | Opposite Hole=No | |
|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

Seams

Damper:

Pattern: 153

Rectangular



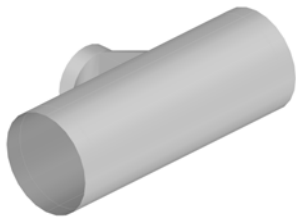
| Dims | Options | Conn's |
|---------------|-------------------|---------|
| A=Btm Width | Hole Length=4.000 | C1=None |
| B=Btm Depth | Hole Width=2.000 | C2=None |
| C=Top Width | X-Offset=0.000 | |
| D=Top Depth | Y-Offset=2.000 | |
| E=Height | Break=40.000 | |
| F=Turnover | Opposite Hole=No |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

Seams

Damper:

Pattern: 154

Flat Oval



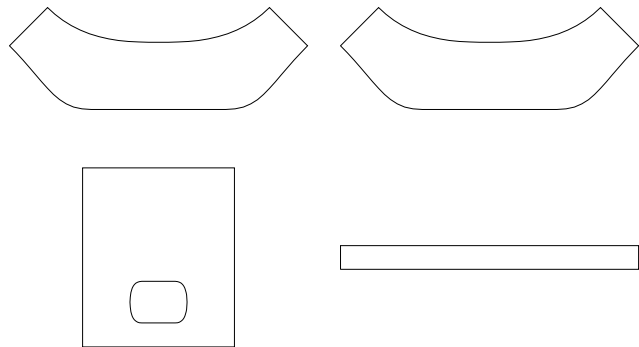
| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Major Axis | Pipe Parts=1 | C1=None |
| B=Minor Axis | Pipe Seam Position=0.000 | C2=None |
| C=Pipe Length | Pipe Diameter Type=Nominal | C3=None |
| D=Left Extension | Hole Adjust=0.000 | |
| E=Right Extension | 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 | | |
| M=Collar #1 | | |

Seams

S1=None

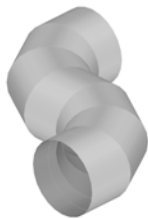
S2=None

Damper:



Pattern: 155

Round

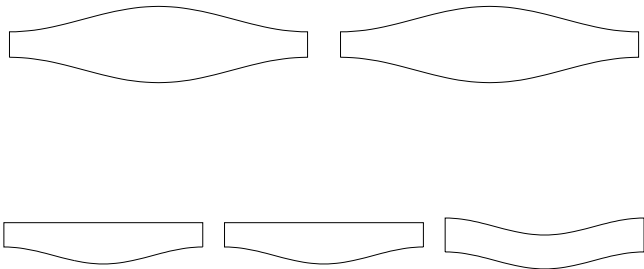


| Dims | Options | Conn's |
|--------------------|----------------------------------|---------|
| A=Diameter | Seam Position=0.000 | C1=None |
| B=Height | Top Number Of Segments=2 | C2=None |
| C=Top Radius | Bottom Number Of Segments=2 | C3=None |
| D=Top Angle | Single Segments=Yes | |
| E=Top Extension | Diameter Type=Nominal | |
| F=Bottom Radius | Marker Type=Notch | |
| G=Bottom Angle | Item Pattern Length/Angle=Length | |
| H=Bottom Extension | | |
| I=Twist Angle | | |

Seams

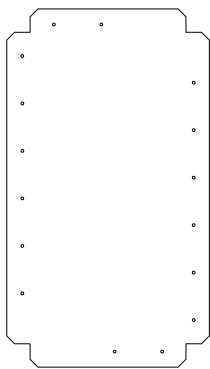
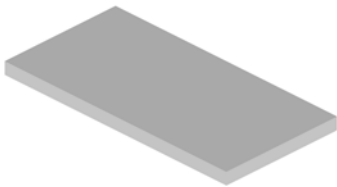
S1=None

Damper:



Pattern: 158

Standard



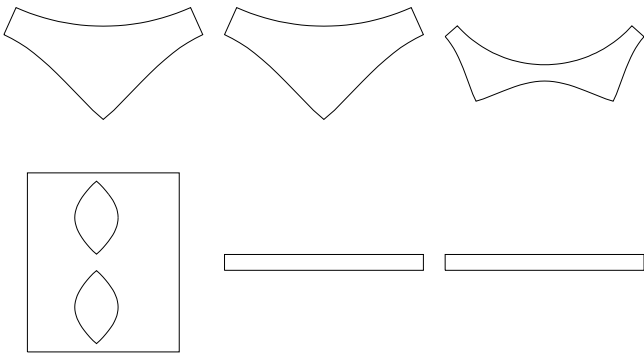
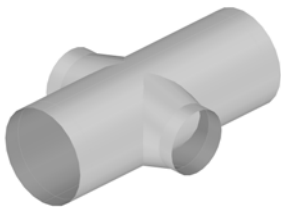
| Dims | Options | Conn's |
|-----------------|-------------------|--------|
| A=Height | Notch 1=Yes | |
| B=Width | Notch 2=Yes | |
| C=Depth | Marker=No | |
| D=Top | Top Holes=2 | |
| E=Right | Bottom Holes=2 | |
| F=Bottom | Right Holes=2 | |
| G=Left | Left Holes=2 | |
| H=Hole Inset | Hole Edge=100.000 | |
| 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=None |
| B=Minor Axis | Pipe Seam Position=0.000 | C2=None |
| C=Pipe Length | Pipe Diameter Type=Nominal | C3=None |
| D=Left Extension | Hole Adjust=0.000 | C4=None |
| 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 | | |
| P=Branch Length #2 | | |
| Q=Angle #2 | | |
| R=Inset #2 | | |
| S=Offset #2 | | |
| T=Rotation #2 | | |
| U=Collar #2 | | |

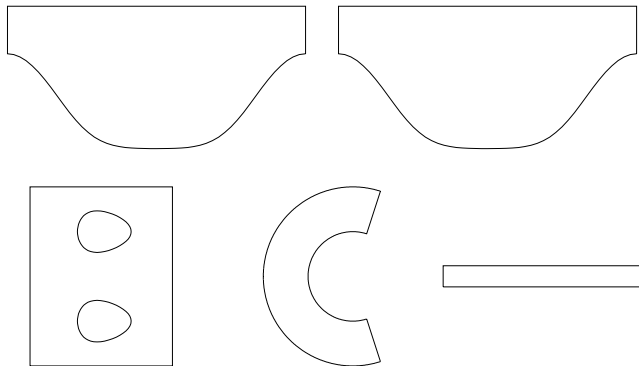
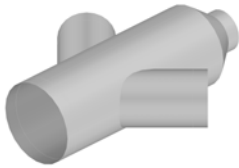
Seams

S1=None
S2=None
S3=None

Damper:

Pattern: 160

Round



| 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 | Cut Back Allowance (%)=0.000 | |
| R=Rotation #2 | Use Pipe Seam For Branches=No | |
| S=Extension #2 | 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 | |

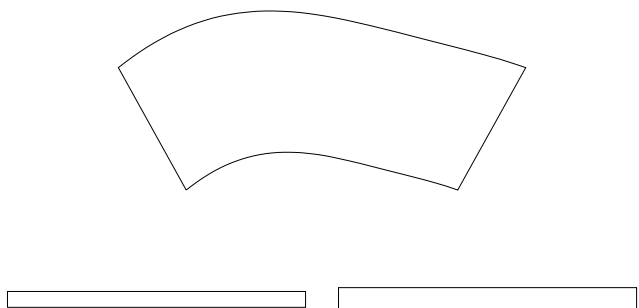
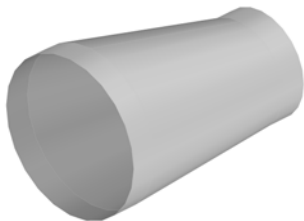
Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None
None

Pattern: 162

Round/Fabrication



| 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=X-Offset | Length Break=1 | |
| F=Left Extension | Marker Type=Notch | |
| G=Right Extension | Length Includes Extensions=No | |
| H=Round Angle | Offset Width=Left In | |
| | Offset Depth=Bottom Up | |

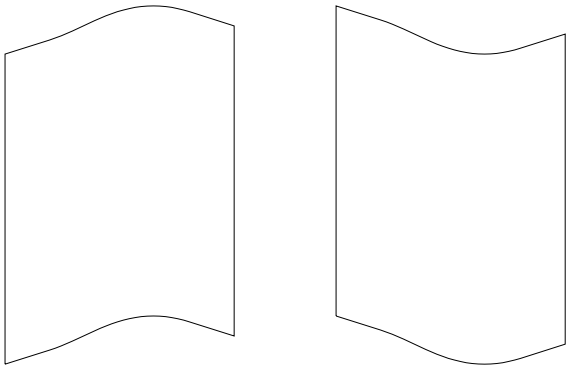
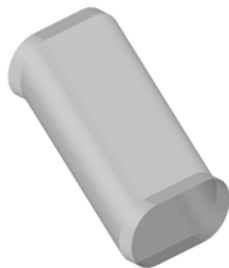
Seams

S1=None

Damper: None
None

Pattern: 163

Flat Oval



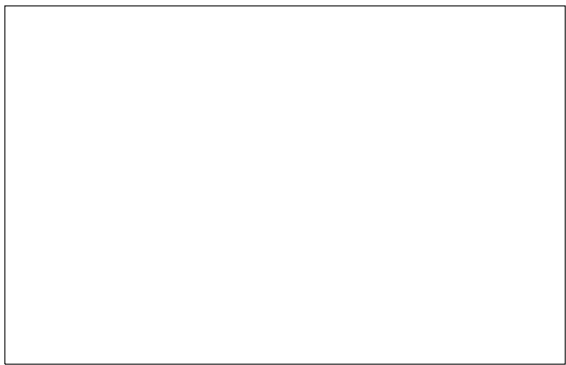
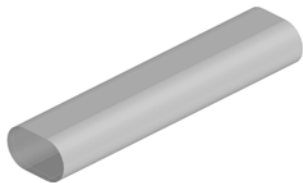
| Dims | Options | Conn's |
|----------------|----------------------------|---------|
| A=Major Axis | Cross Break=2 | C1=None |
| B=Minor Axis | Diameter Type BE=Nominal | C2=None |
| C=Major Axis | Diameter Type SE=Nominal | |
| D=Minor Axis | Seam Position=Major Axis | |
| E=Length | Same Seams On Each Part=No | |
| F=Offset Width | | |
| G=Offset Depth | | |
| H=Collar | | |
| I=Collar | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 165

Flat Oval



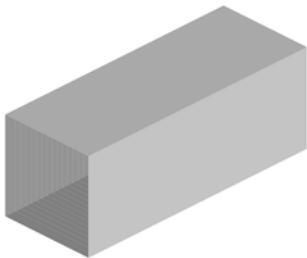
| Dims | Options | Conn's |
|-------------------|-----------------------|---------|
| A=Width | Diameter Type=Nominal | C1=None |
| B=Depth | Duct Length=(inch) | C2=None |
| C=Length | Area Adjust (%)=0.000 | |
| D=Left Extension | | |
| E=Right Extension | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 166

Rectangular/Equipment



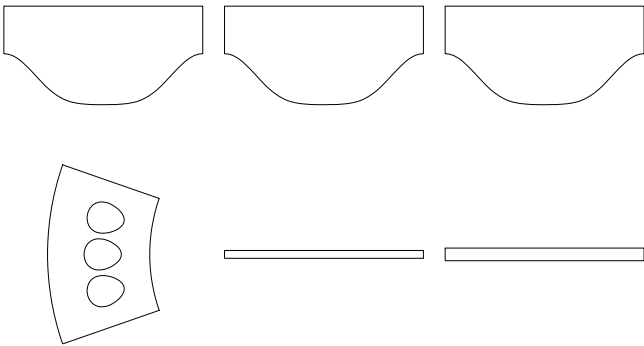
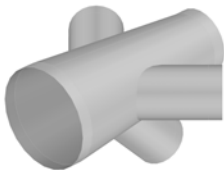
| Dims | | Options | Conn's |
|----------|-------------|------------|---------|
| A=Width | B=Depth | Lines=Auto | C1=None |
| C=Length | D=Extension | Develop=No | C2=None |

Seams

Damper:

Pattern: 169

Round



| Dims | | Options | Conn's |
|----------------------|--|---------------------------------|---------|
| A=Pipe Diameter | | Pipe Parts=1 | C1=None |
| B=Pipe Diameter | | Branch Parts=1 | C2=None |
| C=Pipe Length | | First Break=0.000 | C3=None |
| D=Left Extension | | Second Break=0.000 | C4=None |
| E=Right Extension | | Third Break=0.000 | C5=None |
| 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 | | Cut Back Allowance (%)=0.000 | |
| Q=Offset #2 | | End Castle Width =0.000 | |
| R=Rotation #2 | | End Castle Angle=30.000 | |
| S=Extension #2 | | | |
| T=Branch Diameter #3 | | | |
| U=Branch Length #3 | | | |
| V=Angle #3 | | | |
| W=Inset #3 | | | |
| X=Offset #3 | | | |
| Y=Rotation #3 | | | |
| Z=Extension #3 | | | |

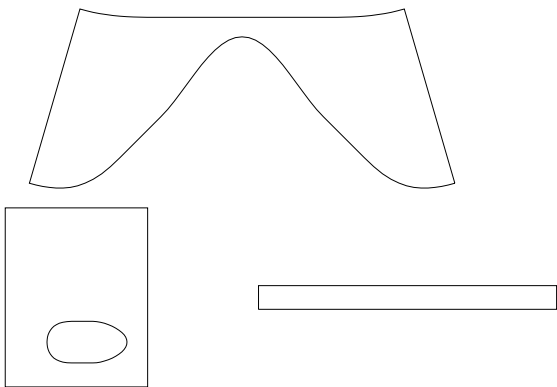
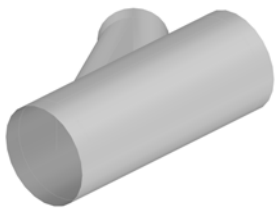
Seams

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

Damper: None
None
None
None
None

Pattern: 170

Round



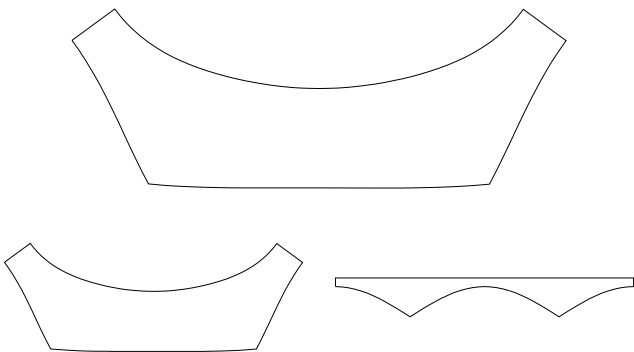
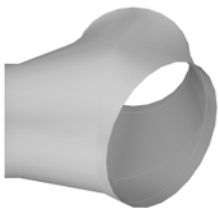
| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Left Extension | Branch Parts=1 | C2=None |
| C=Right Extension | Seam Position=0.000 | C3=None |
| D=Branch Diameter | Seam Position=Throat | |
| E=Branch Length | 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



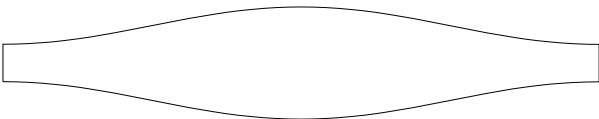
| Dims | Options | Conn's |
|--------------------|------------------------------|---------|
| A=Bottom Diameter | Bottom Diameter Type=Nominal | C1=None |
| B=Btm Length | Left Diameter Type=Nominal | C2=None |
| C=Left Diameter | Right Diameter Type=Nominal | C3=None |
| D=Left Length | Seam Position=Top | C4=None |
| 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



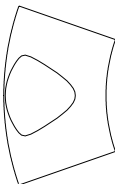
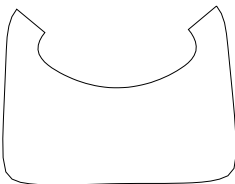
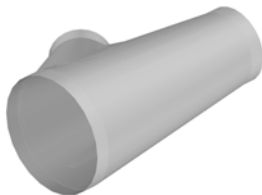
| Dims | Options | Conn's |
|----------------|-----------------------|---------|
| A=Diameter | Cross Break=1 | C1=None |
| B=Top Diameter | Seam Position=0.000 | C2=None |
| C=Radius | Diameter Type=Nominal | |
| D=Angle | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 173

Round



| Dims | Options | Conn's |
|----------------------|---------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Diameter | Branch Parts=1 | C2=None |
| C=Pipe Length | First Break=0.000 | C3=None |
| 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 | |
| | 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

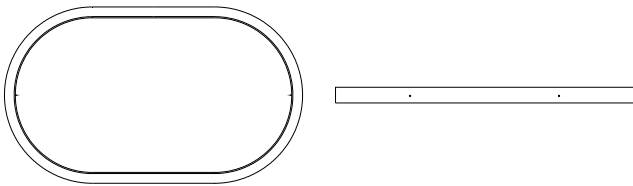
Round/Flat Oval

| 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=None

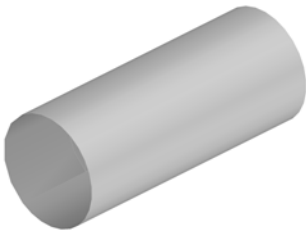
Damper:



Pattern: 183

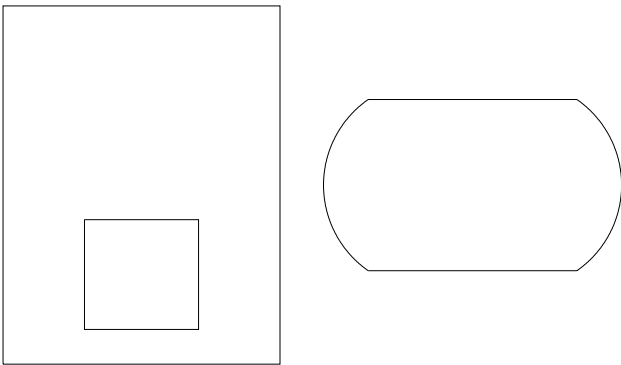
Round

| Dims | | Options | Conn's |
|-------------------|--|----------------------------|---------|
| A=Diameter | | Seam Position=0.000 | C1=None |
| B=Length | | Pipe Parts=1 | C2=None |
| 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 | |



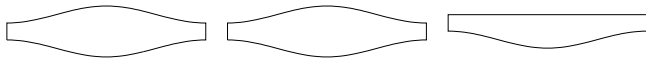
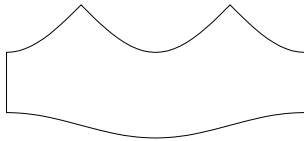
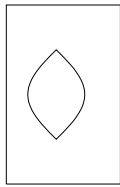
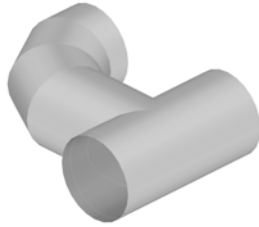
Seams
S1=None
S2=None
S3=None

Damper:



Pattern: 184

Round



| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Pipe Seam Position=270.000 | C2=None |
| C=Left Extension | Pipe Parts=1 | C3=None |
| D=Right Extension | First Break=0.000 | C4=None |
| 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 | |

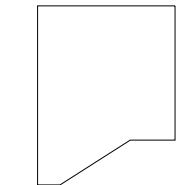
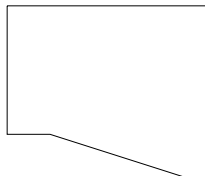
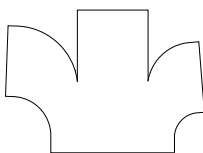
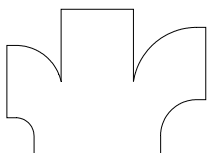
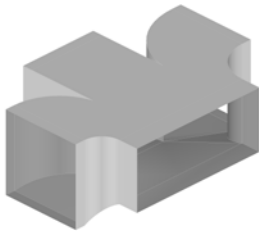
Seams

S1=None
S2=None

Damper:

Pattern: 185

Rectangular



| Dims | Options | Conn's |
|-----------------------|----------------------------|---------|
| A=Btm Width | Right Throat Type=Radius | C1=None |
| 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 | Right Folds=End Point | |
| L=Height | Left Folds=End Point | |
| M=Right Height | Inlet=1 | |
| N=Left Height | Outlet=2 | |
| O=Right Radius | Top Right=Straight | |
| P=Left Radius | Top Left=Straight | |
| 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 | | |

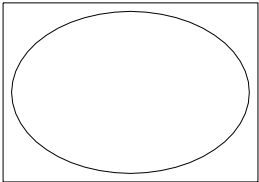
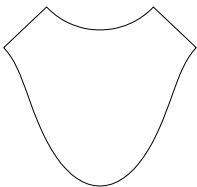
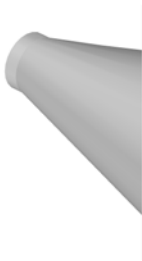
Seams

S1=None

Damper:

Pattern: 186

Round



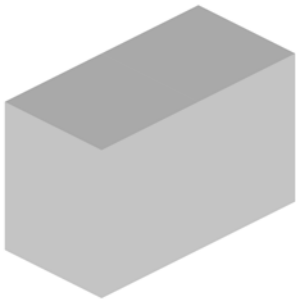
| Dims | Options | Conn's |
|-------------------|-----------------------|---------|
| A=Bottom Diameter | Diameter Type=Nominal | C1=None |
| B=Top Diameter | Cross Break=1 | C2=None |
| C=Length | Seam Position=0.000 | |
| D=Collar | Hole Adjust=0.000 | |
| E=Slope Angle | Turnover=0.000 | |
| F=Border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

Seams
S1=None

Damper: None

Pattern: 189

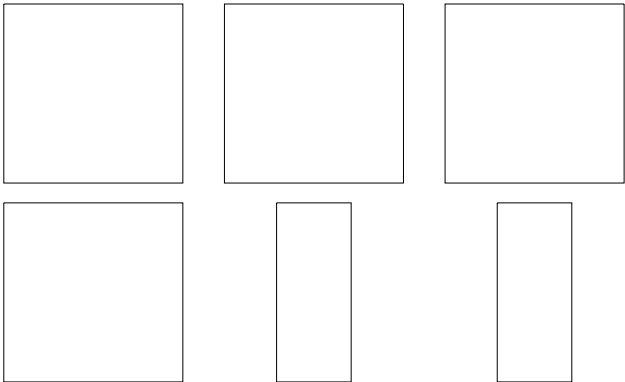
Rectangular



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

Seams
S1=None
S2=None

Damper:



Pattern: 202

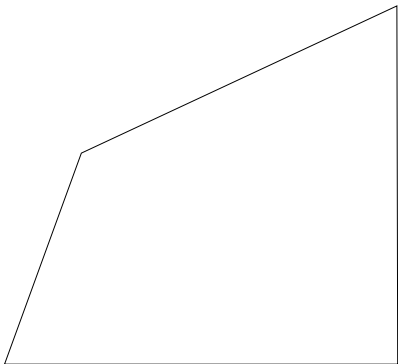
Standard

| 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

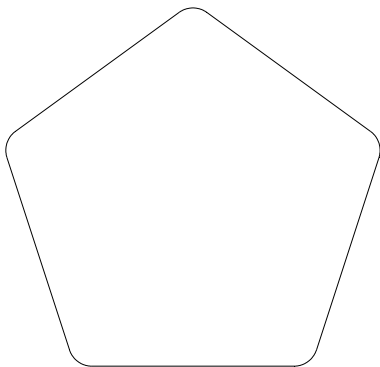
Standard

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



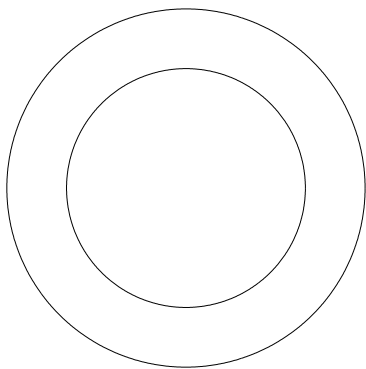
Seams

Damper:



Pattern: 204

Standard



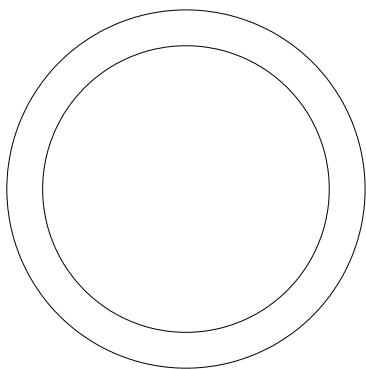
| Dims | Options | Conn's |
|------------------|---------------------------------|--------|
| A=Outer Diameter | Number Of Parts=1 | |
| B=Inner Diameter | Parts To Cut=All | |
| | Seam For Weathering=No | |
| | Fixing Holes On Extension=0.000 | |
| | Notch Angle For Seam=Arc | |

Seams
S1=None

Damper:

Pattern: 205

Standard



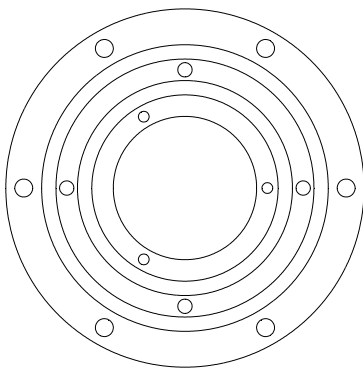
| Dims | Options | Conn's |
|--------------------|---------|--------|
| A=Outside Diameter | Parts=1 | |
| B=Inside Diameter | | |

Seams
S1=None

Damper:

Pattern: 206

Standard



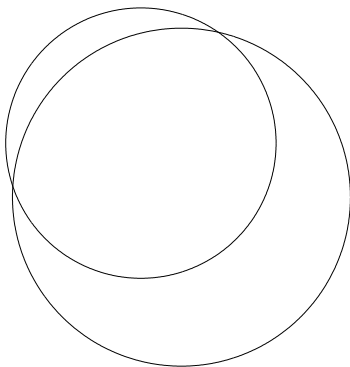
| Dims | Options | Conn's |
|--------------------|---------|--------|
| A=Outside Diameter | | |
| B=Hole Diameter | | |
| C=Angle | | |
| D=Inside Diameter | | |
| E=Outside Diameter | | |
| F=Hole Diameter | | |
| G=Angle | | |
| H=Inside Diameter | | |
| I=Outside Diameter | | |
| J=Hole Diameter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

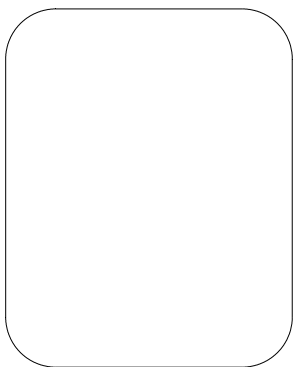
Seams

S1=None

Damper:

Pattern: 208

Standard



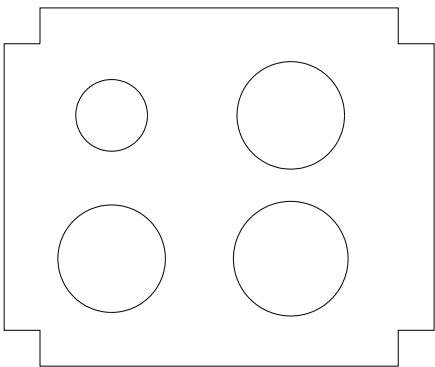
| Dims | | Options | Conn's |
|----------|---------|---------|--------|
| A=Height | B=Width | | |
| C=Radius | | | |

Seams

Damper:

Pattern: 209

Standard



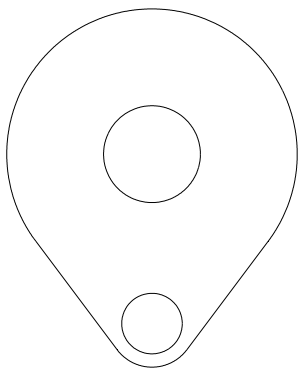
| Dims | | Options | Conn's |
|------------|------------|---------|--------|
| A=Height | B=Width | | |
| C=Turnover | D=Diameter | | |
| E=X-Offset | F=Y-Offset | | |
| G=Diameter | H=X-Offset | | |
| I=Y-Offset | J=Diameter | | |
| K=X-Offset | L=Y-Offset | | |
| M=Diameter | N=X-Offset | | |
| O=Y-Offset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

Seams

Damper:

Pattern: 210

Standard



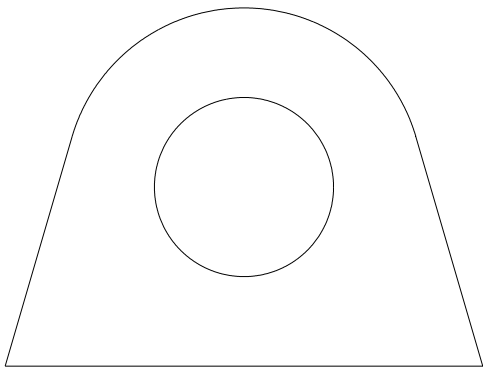
| Dims | Options | Conn's |
|-------------------|---------|--------|
| A=Top Diameter | | |
| B=Bottom Diameter | | |
| C=Hole Diameter | | |
| D=Hole Diameter | | |
| E=Y Distance | | |

Seams

Damper:

Pattern: 211

Standard



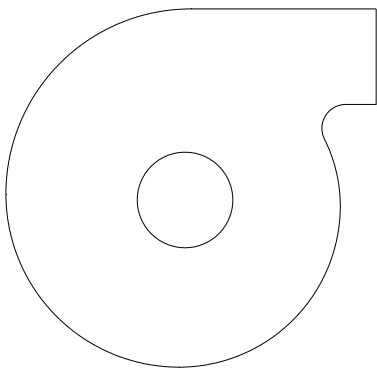
| Dims | Options | Conn's |
|---------------|---------|--------|
| A=Height | | |
| B=Width | | |
| C=Radius | | |
| D=Hole Radius | | |

Seams

Damper:

Pattern: 212

Standard

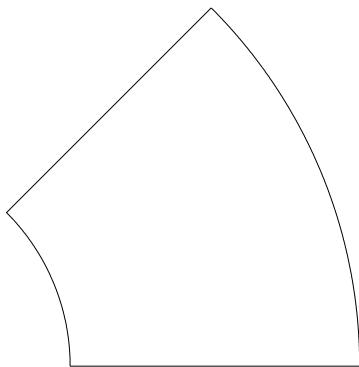


| Dims | Options | Conn's |
|------------------------|-----------------------------|--------|
| A=Height | Wrapper Length Adjust=0.000 | |
| B=Throat Radius | Mirror=No | |
| C=Length Out | | |
| D=Width Out | | |
| E=Centre Radius | | |
| F=Fixing Radius | | |
| G=Radius Decrement | | |
| H=Fixing Hole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

Damper:

Pattern: 213

Standard

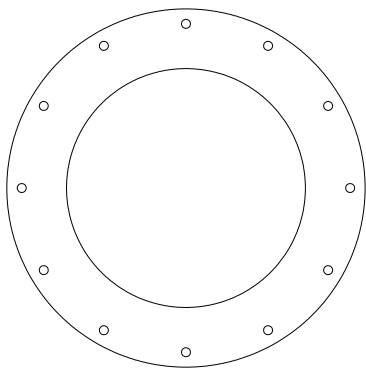


| Dims | Options | Conn's |
|----------------|---------|--------|
| A=Inner Radius | | |
| B=Angle | | |
| C=Length | | |
| | | Seams |

Damper:

Pattern: 215

Standard



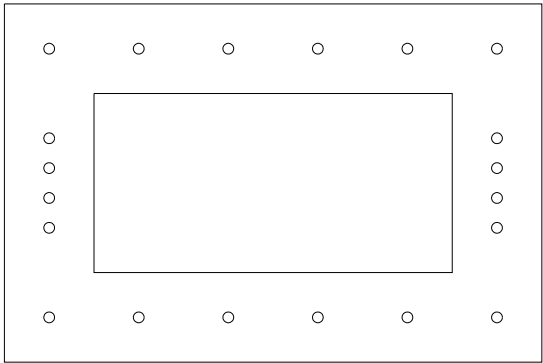
| Dims | Options | Conn's |
|-------------------|-------------------|--------|
| A=Outer Diameter | Number Of Parts=1 | |
| B=Inner Diameter | | |
| C=Fixing Diameter | | |
| D=Hole Diameter | | |
| E=Number Of Holes | | |
| F=Hole Length | | |

Seams

Damper:

Pattern: 216

Standard



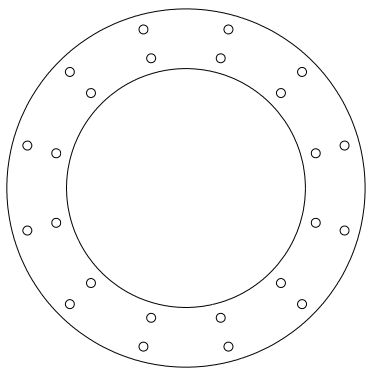
| Dims | Options | Conn's |
|-------------------------|------------------------|--------|
| A=Length | Holes On Length=6 | |
| B=Height | Holes On Height=6 | |
| C=Length | Hole Diameter=0.480 | |
| D=Height | Cut Corner Holes ?=Yes | |
| E=X-Offset | 2 Parts=No | |
| F=Y-Offset | | |
| G=X Distance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

Seams

Damper:

Pattern: 218

Standard



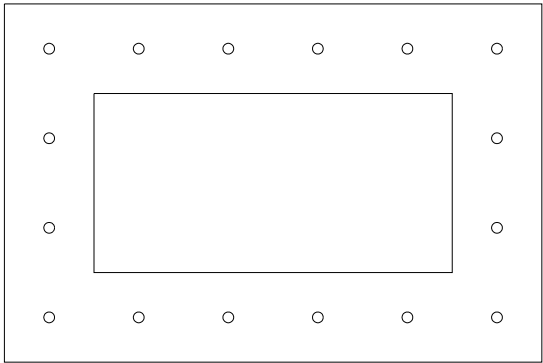
| Dims | Options | Conn's |
|-------------------|---------|--------|
| A=Outer Diameter | | |
| B=Inner Diameter | | |
| C=Fixing Diameter | | |
| D=Hole Diameter | | |
| E=Number Of Holes | | |
| F=Hole Angle | | |
| G=Fixing Diameter | | |
| H=Hole Diameter | | |
| I=Number Of Holes | | |
| J=Hole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

Seams

Damper:

Pattern: 220

Standard



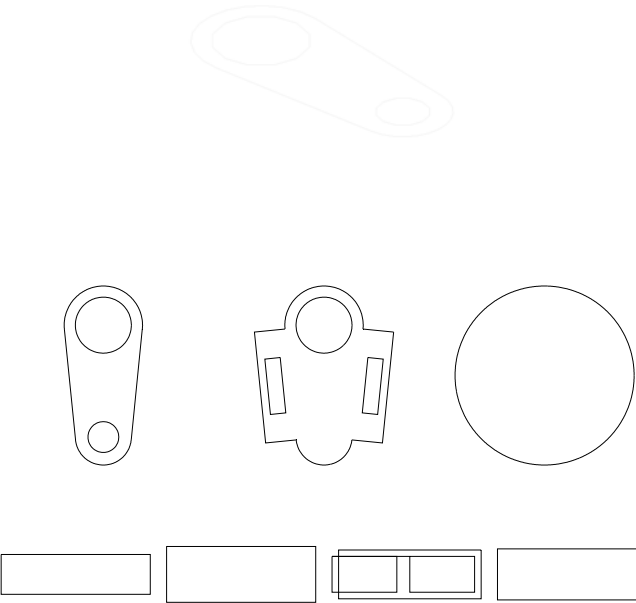
| Dims | Options | Conn's |
|-------------------------|------------------------|--------|
| A=Length | Hole Diameter=0.480 | |
| B=Height | Cut Corner Holes ?=Yes | |
| C=Length | 2 Parts=No | |
| D=Height | | |
| E=X-Offset | | |
| F=Y-Offset | | |
| G=X Distance | | |
| H=Y Distance | | |
| I=X-Offset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

Seams

Damper:

Pattern: 221

Standard



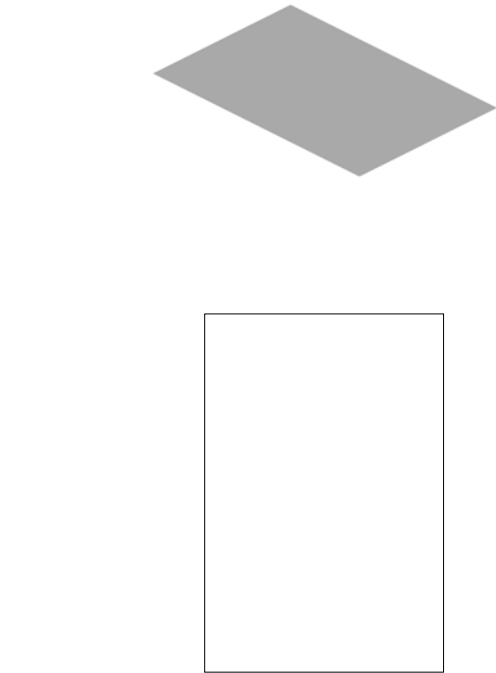
| Dims | | Options | Conn's |
|------------------------|--|---------------------|--------|
| A=Height | | Slotted Hole=Yes | |
| B=Y-Offset | | Hole Diameter=0.000 | |
| C=Top Radius | | Slotted Hole=0 | |
| D=Top Hole Diameter | | Hole Spacing=0.000 | |
| E=Bottom Radius | | Adjust=0.000 | |
| F=Bottom 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= | |
| | | Notch= | |
| | | Notch= | |
| | | Notch= | |
| | | Use First For All=No | |

Seams

Damper:

Pattern: 228

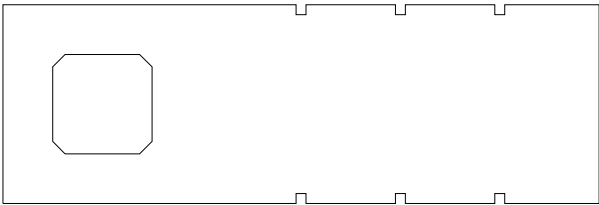
Standard



| 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

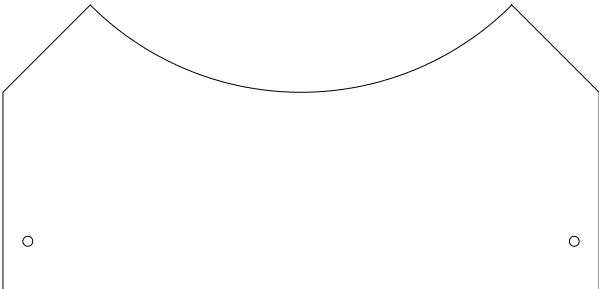
Standard



| 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 | | |

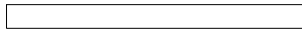
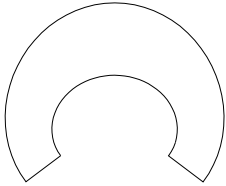
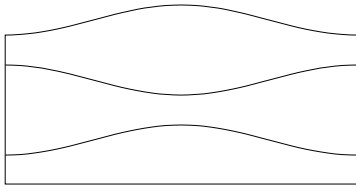
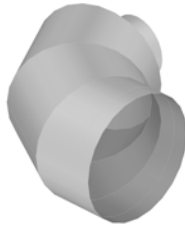
Seams

Damper:



Pattern: 231

Round



| Dims | Options | Conn's |
|--------------------|-------------------------------------|---------|
| A=Bottom Diameter | Number Of Segments=4 | C1=None |
| B=Top Diameter | Seam Position=0.000 | C2=None |
| C=Inner Radius | Cross Break=1 | C3=None |
| 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 | |

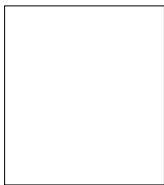
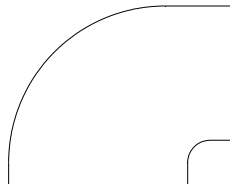
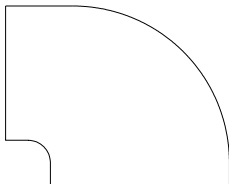
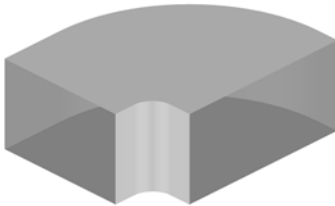
Seams

S1=None

Damper: None
None

Pattern: 250

Rectangular



| Dims | Options | Conn's |
|-----------------------|--------------------------------|---------|
| A=Top Width | Throat Type=Radius | C1=None |
| B=Depth | Length Adjust For Part 4=0.000 | C2=None |
| 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 | |

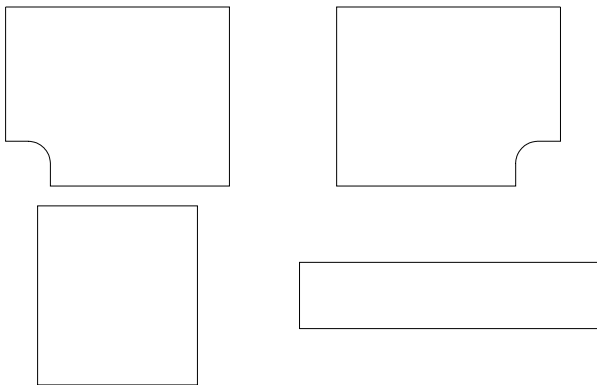
Seams

S1=None

Damper:

Pattern: 251

Rectangular



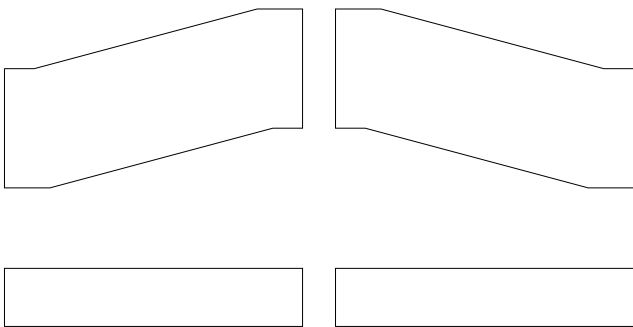
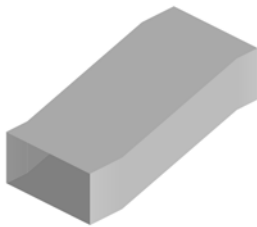
| Dims | Options | Conn's |
|-----------------------|--------------------------------|---------|
| A=Top Width | Throat Type=Radius | C1=None |
| B=Depth | Length Adjust For Part 4=0.000 | C2=None |
| C=Btm Width | Length Adjust For Part 3=0.000 | |
| D=Top Inner Extension | Vee Depth Male=Auto | |
| 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 | |

Seams
S1=None

Damper:

Pattern: 252

Rectangular



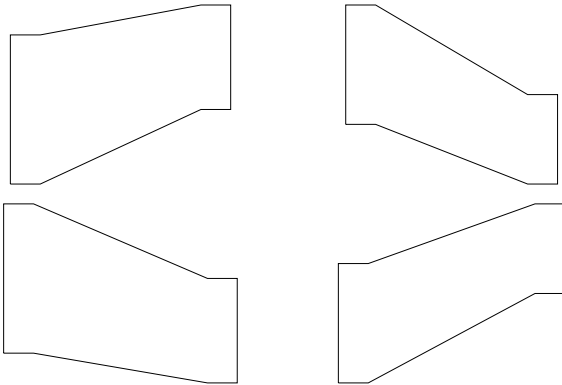
| Dims | Options | Conn's |
|-------------------|------------------------|---------|
| A=Width | Vee Depth Male=Auto | C1=None |
| B=Depth | Vee Depth Female=Auto | C2=None |
| C=Length | Vee Notch Angle=30.000 | |
| D=Left Extension | Split Mitre=No | |
| E=Right Extension | | |
| F=Offset Width | | |
| G=Angle | | |
| 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 | Fixing Holes on Tur... C1=None |
| B=Depth In | 3 Parts=No | Seam Cut Back=0.0... C2=None |
| C=Width Out | Vee Depth Male=A... | |
| D=Depth Out | Vee Depth Female=... | |
| E=Length | Vee Notch Angle=2... | |
| F=Extension In | Taper Notch If Strai... | |
| G=Extension Out | Female Allow=Shor... | |
| H=Offset Width | 2-Sided Part Allowa... | |
| I=Offset Depth | Offset Width=Left ... | |
| J=Angle | Offset Depth=Top Up | |
| | Taper Notch If Strai... | |
| | Use Taper Notch F... | |
| | Connector Fold Not... | |
| | Vee Notch Depth=... | |
| | Vee Notch Angle=3... | |
| | Input=Length | |
| | Vee Notch Depth If... | |
| | Maximum Angle=1... | |
| | Splitter Turnover=0... | |
| | Splitter Extension=... | |
| | Splitter Adjust=0.000 | |
| | Connector Fold Not... | |
| | Vee Notch Depth=... | |
| | Vee Notch Angle=3... | |
| | Splitter Hole Diamo... | |
| | Number Of Holes=... | |
| | Splitters=Half | |
| | Hole Inset=0.000 | |

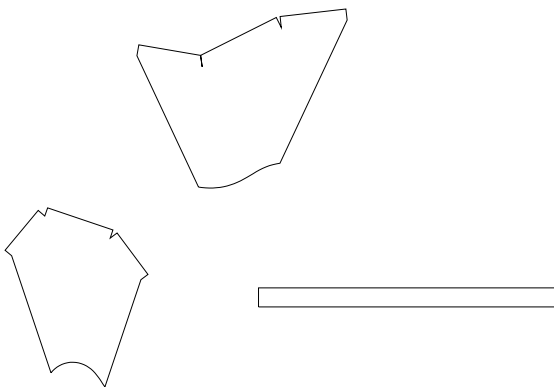
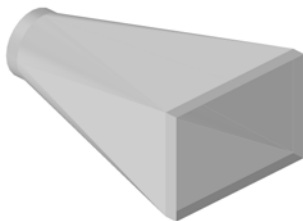
Seams

S1=None

Damper:

Pattern: 254

Rectangular/Round



| Dims | Options | Conn's |
|-----------------|----------------------------------|---------|
| A=Width | Cross Break=2 | C1=None |
| B=Depth | Length Break=1 | C2=None |
| C=Diameter | Diameter Type=Nominal | |
| D=Length | Seam Position=Width | |
| E=Offset Width | Marker Type=Notch | |
| F=Offset Depth | Input=Length | |
| G=Extension | Offset Width=Left In | |
| H=Collar | Offset Depth=Bottom Up | |
| I=Corner Radius | Inlet=1 | |
| J=Slope Angle | 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=None

Damper: None

Pattern: 255

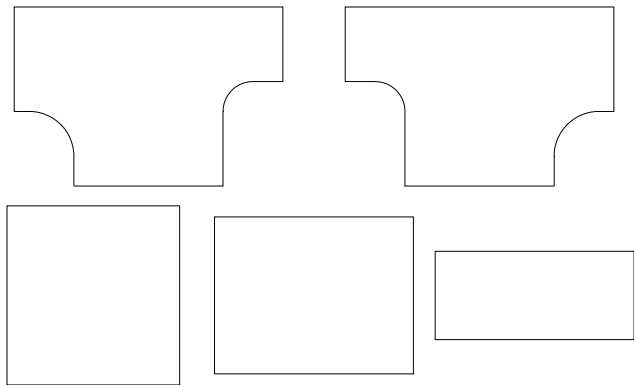
Rectangular



| Dims | Options | Conn's |
|---------------------|------------------------|---------|
| A=Btm Width | Throat Type=Radius | C1=None |
| B=Depth | 3 Parts=No | C2=None |
| C=Left Width | Vee Depth Male=Auto | C3=None |
| D=Right Width | Vee Depth Female=Auto | |
| E=Right Radius | Vee Notch Angle=30.000 | |
| F=Left Radius | Hole Diameter=0.500 | |
| G=Bottom Extension | Hole Spacing=2.000 | |
| H=Right Extension | Splitters=No | |
| I=Left Extension | Inlet=1 | |
| J=Splitter Distance | Outlet=2 | |

Seams
S1=None

Damper:



Pattern: 301

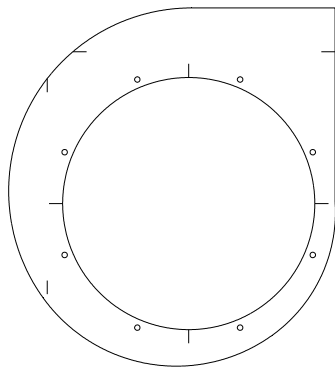
Standard



| 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 | | |

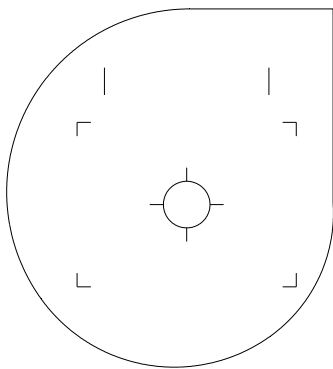
Seams

Damper:



Pattern: 302

Standard



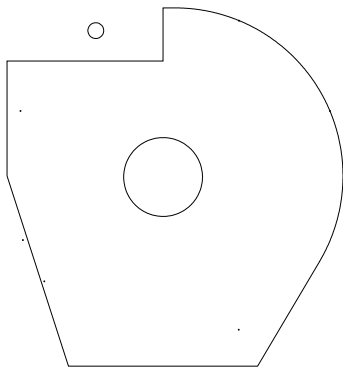
| Dims | Options | Conn's |
|---------------|---------------------------|--------|
| A=X Centre | Mirror=No | |
| B=B | Scribe Centres=Yes | |
| C=Y Centre | Scribe Stiffeners=Yes | |
| D=D | Scribe Lugs=Yes | |
| E=Diameter | Lugs X Centre=-6.000 | |
| F=X Stiffener | Lugs Y Centre=10.000 | |
| G=Y 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 | | |
| M=P | | |
| N=Rotation | | |

Seams

Damper:

Pattern: 308

Standard



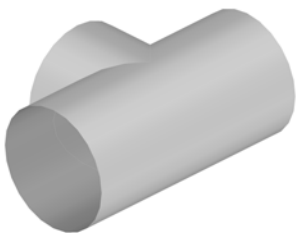
| Dims | Options | Conn's |
|------------------|-----------------------------|--------|
| A=Width | Bolts=0 | |
| B=Depth | Hole Angle=0.000 | |
| C=X Distance | Fixing Hole Diameter=Marked | |
| D=Y Distance | Hole Spacing=50 | |
| E=Length #1 | Hole Inset=100 | |
| F=Angle #1 | Cut Side=No | |
| G=Length #2 | | |
| H=Angle #2 | | |
| I=Length #3 | | |
| J=Angle #3 | | |
| K=Length #4 | | |
| L=Angle #4 | | |
| 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 | | |

Seams

Damper:

Pattern: 309

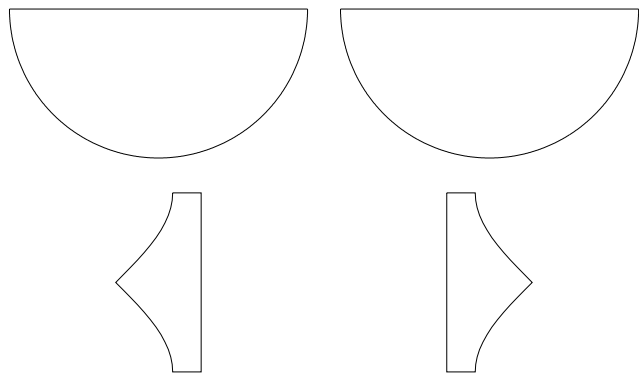
Round



| Dims | Options | Conn's |
|--------------------------|--------------------------|---------|
| A=Radius | Six Parts Left Lap=None | C1=None |
| 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 | | |

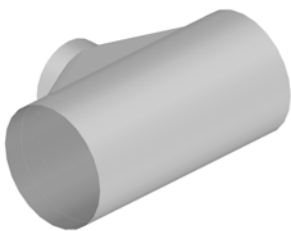
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 311

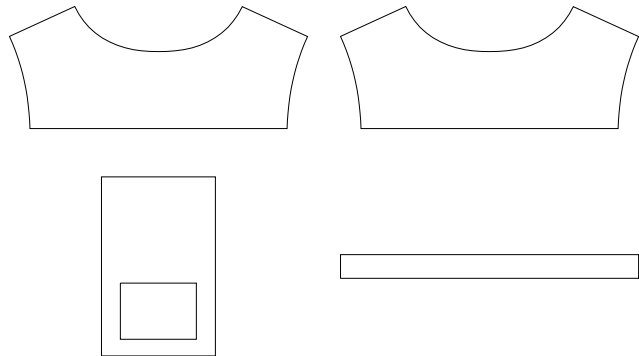
Round



| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Branch Diameter Type=Nominal | C2=None |
| C=Left Extension | Branch Diameter Type=Nominal | C3=None |
| 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 | |

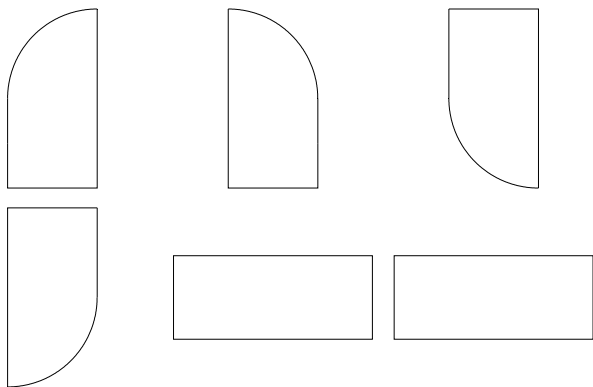
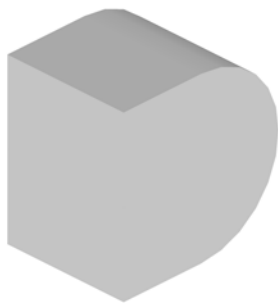
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 313

Rectangular



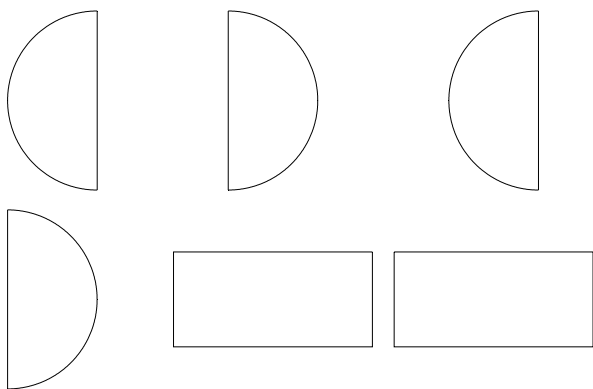
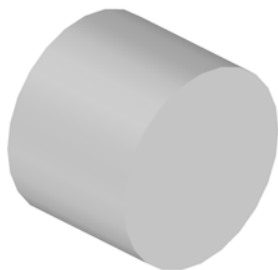
| Dims | Options | Conn's |
|--------------------------|--------------------------|---------|
| A=Radius | Six Parts Left Lap=None | C1=None |
| B=Depth | Six Parts Right Lap=None | C2=None |
| C=Angle | Vee Depth Female=0.000 | C3=None |
| D=Length | Vee Angle Female=30.000 | |
| E=Front Hole Diameter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

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 314

Rectangular



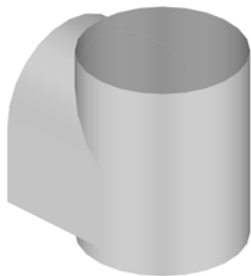
| Dims | Options | Conn's |
|--------------------------|--------------------------|---------|
| A=Radius | Six Parts Left Lap=None | C1=None |
| B=Angle | Six Parts Right Lap=None | C2=None |
| C=Length | Vee Depth Male=0.000 | C3=None |
| D=Front Hole Diameter | Vee Angle Male=180.000 | |
| E=Back Hole 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=None |
| S2=None |

Damper:

Pattern: 315

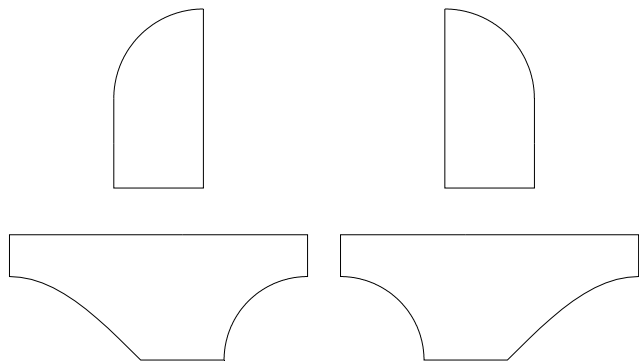
Round



| Dims | Options | Conn's |
|--------------------------|--------------------------|---------|
| A=Radius | Six Parts Left Lap=None | C1=None |
| 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 | | |

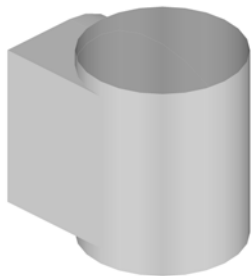
Seams
S1=None

Damper:



Pattern: 316

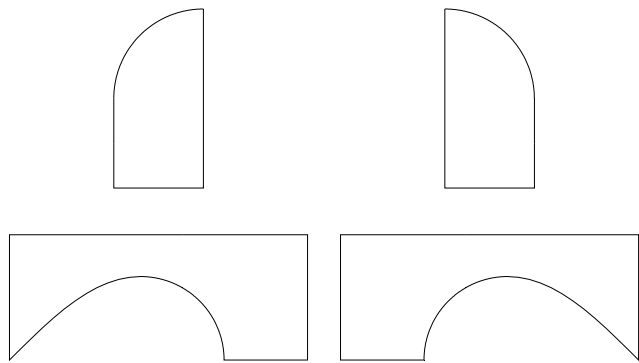
Round



| Dims | Options | Conn's |
|--------------------------|--------------------------|---------|
| A=Radius | Six Parts Left Lap=None | C1=None |
| 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 | | |

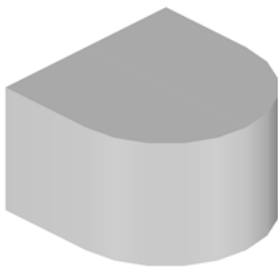
Seams
S1=None

Damper:



Pattern: 317

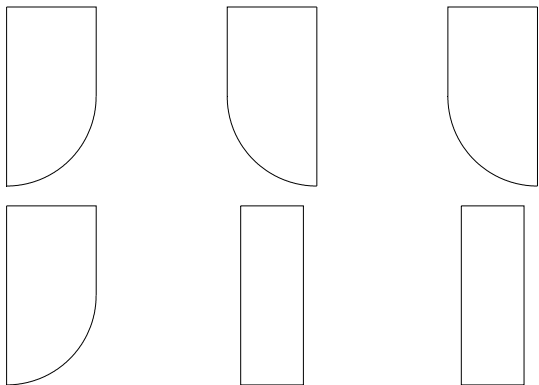
Rectangular



| Dims | Options | Conn's |
|--------------------------|--------------------------|---------|
| A=Radius | Six Parts Left Lap=None | C1=None |
| 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 | |

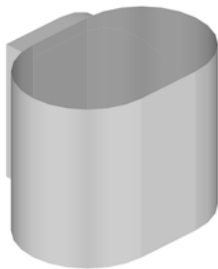
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 318

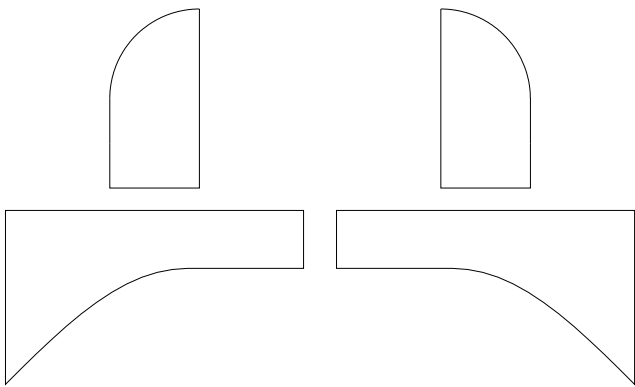
Flat Oval



| Dims | Options | Conn's |
|--------------------------|--------------------------|---------|
| A=Radius | Six Parts Left Lap=None | C1=None |
| 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 | | |

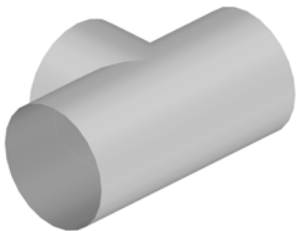
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 319

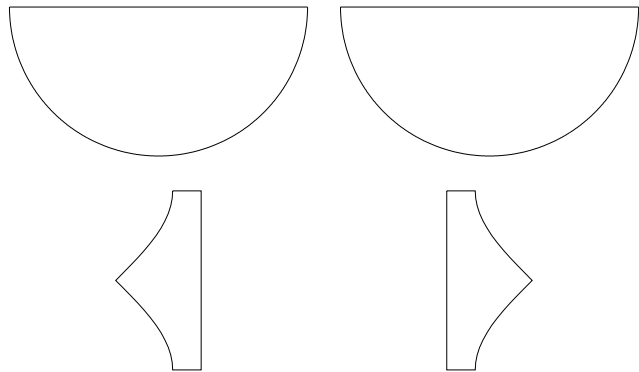
Round



| Dims | Options | Conn's |
|--------------------------|--------------------------|---------|
| A=Radius | Six Parts Left Lap=None | C1=None |
| 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

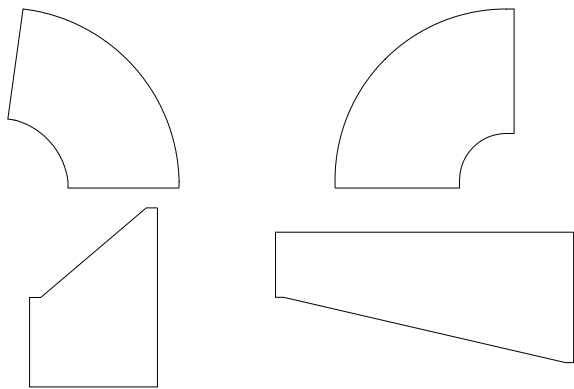
Rectangular



| Dims | Options | Conn's |
|--------------------|-----------------------------|---------|
| A=Btm Width | Throat Type=Radius | C1=None |
| B=Btm Depth | Vee Depth Male=Auto | C2=None |
| 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 | Splitter Slit Angle=10.000 | |
| | Intersect Splitter Holes=No | |

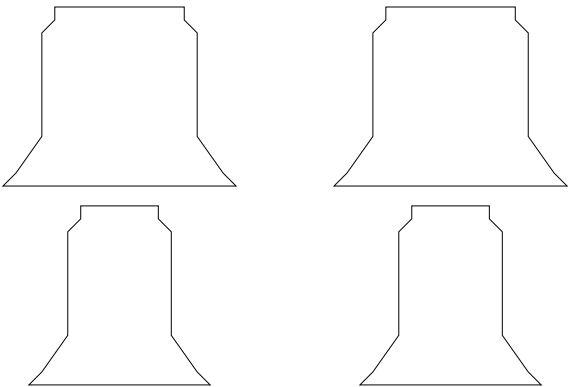
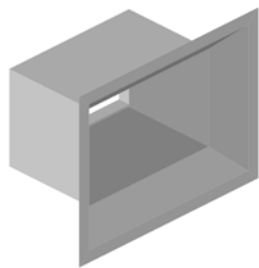
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 321

Rectangular



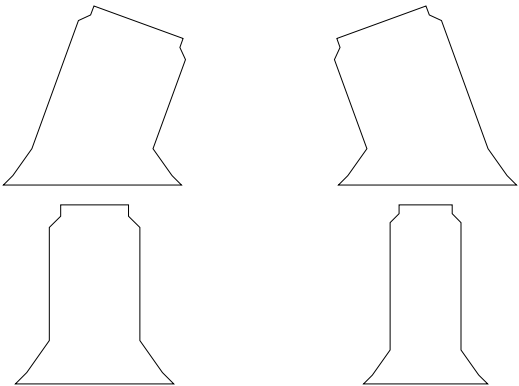
| Dims | Options | Conn's |
|---------------|----------------|---------|
| A=Width | Rotation=0.000 | C1=None |
| B=Depth | | C2=None |
| C=Height | | C3=None |
| D=Base Height | | C4=None |
| E=Base Angle | | C5=None |
| F=Flange | | C6=None |
| G=Turnover | | |
| H=Turnover | | |
| I=Straight | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 322

Rectangular



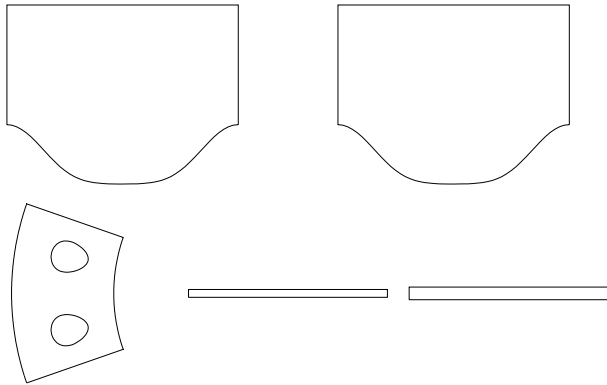
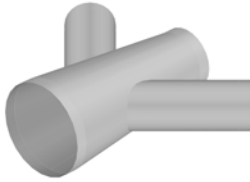
| Dims | Options | Conn's |
|---------------|---------------------|---------|
| A=Width | X Pitch=Slope Angle | C1=None |
| B=Depth | Rotation=0.000 | C2=None |
| C=Height | | C3=None |
| D=Angle | | C4=None |
| E=Base Height | | C5=None |
| F=Base Angle | | C6=None |
| G=Flange | | |
| H=Turnover | | |
| I=Turnover | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 323

Round



| Dims | Options | Conn's |
|----------------------|---------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Diameter | Branch Parts=1 | C2=None |
| C=Pipe Length | First Break=0.000 | C3=None |
| D=Left Extension | Second Break=0.000 | C4=None |
| 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 | |
| | Cut Back Allowance (%)=0.000 | |
| | End Castle Width=0.000 | |
| | End Castle Angle=30.000 | |

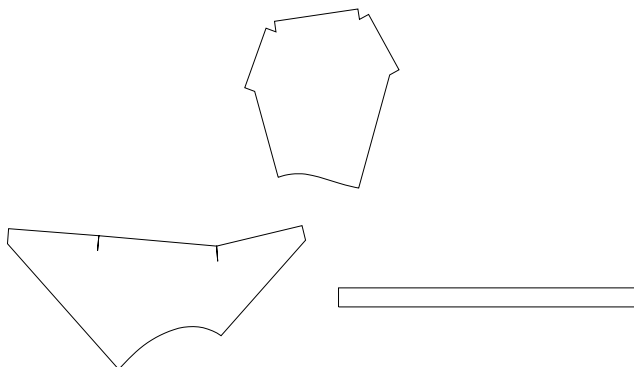
Seams

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=None |
| B=Depth | Length Break=1 | C2=None |
| C=Diameter | Diameter Type=Nominal | |
| D=Offset Width | Seam Position=Width | |
| E=Offset Depth | Marker Type=Notch | |
| F=Extension | Offset Width=Left In | |
| G=Collar | Offset Depth=Bottom Up | |
| H=Round Angle | Inlet=1 | |
| I=Twist Angle | Outlet=2 | |
| J=Inner Radius | Fold Notch Depth=Full Allowance | |
| K=Corner Radius | V Notch Rectangular Extension=No | |
| | Seam Cut Back=None | |
| | Cut Back Allowance (%)=50.000 | |
| | 2 Parts 90 Degrees Seam=No | |

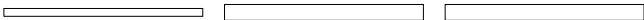
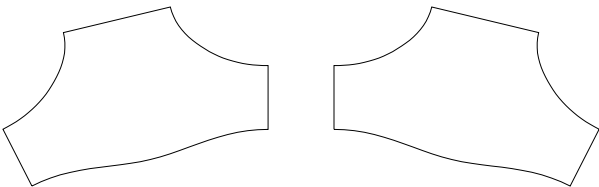
Seams

S1=None

Damper: None

Pattern: 325

Round



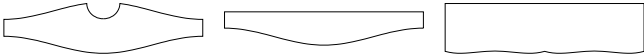
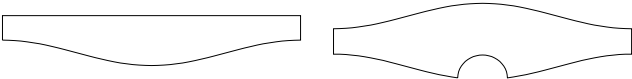
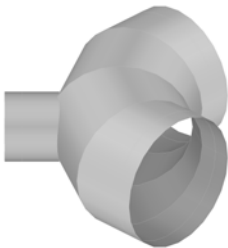
| Dims | Options | Conn's |
|-------------------|------------------------------|---------|
| A=Bottom Diameter | Bottom Diameter Type=Nominal | C1=None |
| B=Left Diameter | Left Diameter Type=Nominal | C2=None |
| C=Right Diameter | Right Diameter Type=Nominal | C3=None |
| D=Left Angle | 2 Parts=Yes | |
| 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



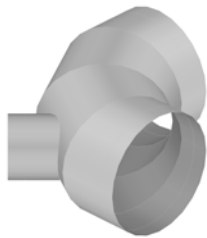
| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Diameter | Number Of Segments=4 | C1=None |
| B=Inner Radius | Seam Position=0.000 | C2=None |
| C=Angle | Pipe Diameter Type=Nominal | C3=None |
| D=Bottom Extension | Branch Diameter Type=Nominal | C4=None |
| 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 | | |
| J=X-Offset | | |
| K=Y-Offset | | |
| L=Branch Inset | | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 327

Round



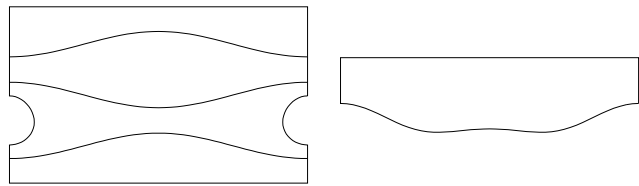
| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Diameter | Number Of Segments=4 | C1=None |
| B=Inner Radius | Seam Position=0.000 | C2=None |
| C=Angle | Single Segments=No | C3=None |
| D=Bottom Extension | Pipe Diameter Type=Nominal | C4=None |
| E=Top 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 | | |
| K=Y-Offset | | |
| L=Branch Inset | | |

Seams

S1=None

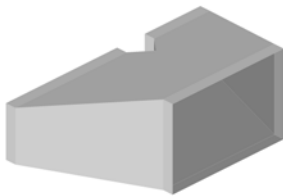
S2=None

Damper:



Pattern: 328

Rectangular



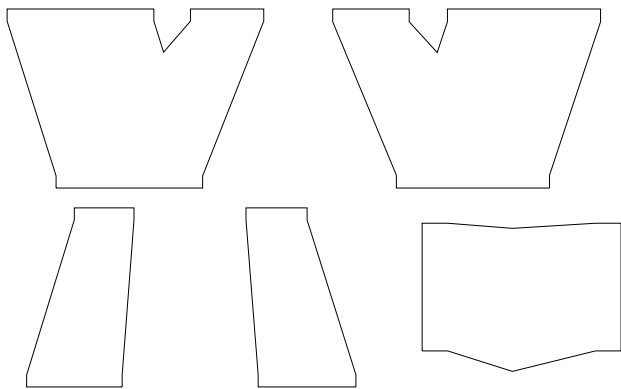
| Dims | Options | Conn's |
|----------------------|------------------------|---------|
| A=Btm Width | Vee Depth Male=Auto | C1=None |
| B=Btm Depth | Vee Depth Female=Auto | C2=None |
| C=Left Width | Vee Angle Male=30 | C3=None |
| D=Right Width | Vee Angle Female=30 | |
| E=Top Depth | Offset Depth=Bottom 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

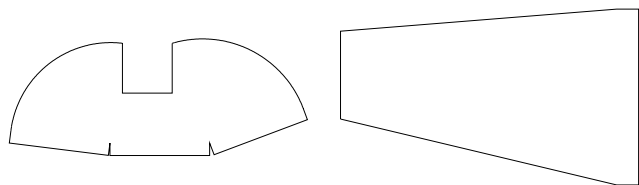
Rectangular



| Dims | Options | Conn's |
|--------------------|-----------------------------|---------|
| A=Btm Width | Wrapper Length Adjust=0.000 | C1=None |
| B=Btm Depth | Turnover Allowance=0.000 | C2=None |
| 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=None |

Damper:



Pattern: 330

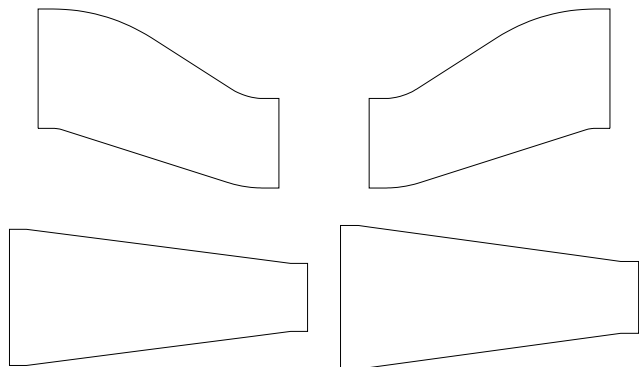
Rectangular



| Dims | Options | Conn's |
|-----------------|---------------------------|---------|
| A=Width In | Vee Depth Male=Auto | C1=None |
| B=Depth In | Vee Depth Female=Auto | C2=None |
| 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 | | |
| K=Right Radius | | |

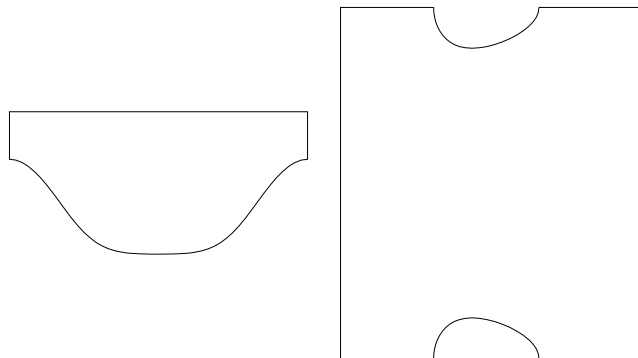
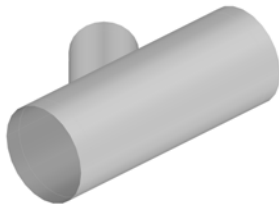
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 336

Round



| 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 | |
| | 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 | |

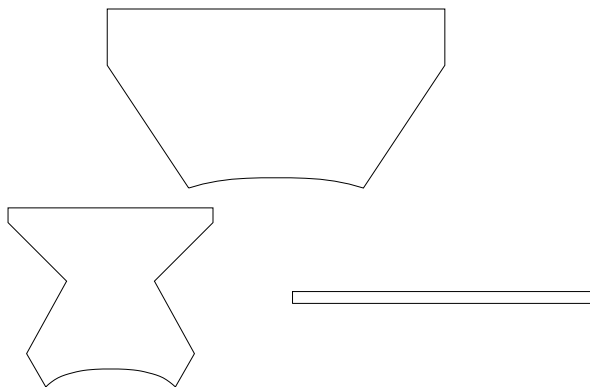
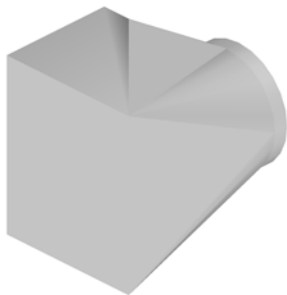
Seams

S1=None
S2=None

Damper: None
None
None

Pattern: 338

Rectangular/Round



| Dims | Options | Conn's |
|------------------|-----------------------|---------|
| A=Width | Diameter Type=Nominal | C1=None |
| B=Depth | Marker Type=Notch | C2=None |
| C=Diameter | | |
| D=Length | | |
| E=Extension | | |
| F=End Height | | |
| G=Offset | | |
| H=Collar | | |
| I=Bottom Chamfer | | |
| J=Back Chamfer | | |

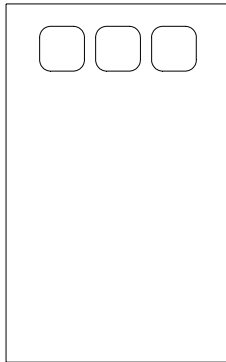
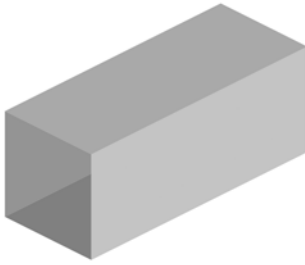
Seams

S1=None
S2=None

Damper:

Pattern: 340

Rectangular



| Dims | Options | Conn's |
|------------------|----------------------------------|---------|
| A=Width | Straight Type=1 Part Straight | C1=None |
| B=Depth | Hole Type=Right | C2=None |
| 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,1xl=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 UI=Shortest Side | |
| O=Hole Offset #3 | | |
| P=Hole Length #3 | | |
| Q=Hole Width #3 | | |
| R=Hole Radius #3 | | |

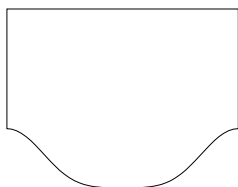
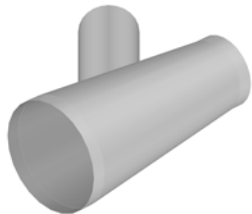
Seams

S1=None

Damper:

Pattern: 341

Round



| Dims | Options | Conn's |
|----------------------|---------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Diameter | Branch Parts=1 | C2=None |
| C=Pipe Length | First Break=0.000 | C3=None |
| 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 | |
| | Cut Back Allowance (%)=0.000 | |
| | End Castle Width =0.000 | |
| | End Castle Angle=30.000 | |

Seams

S1=None

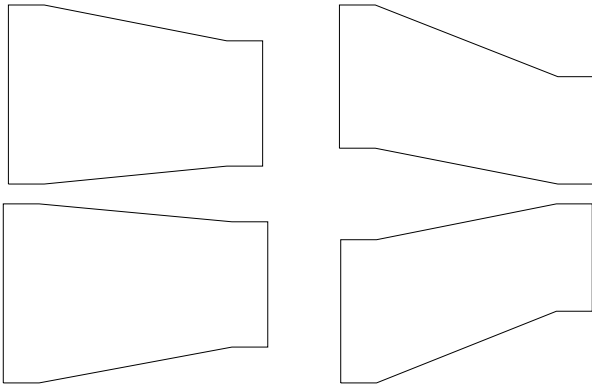
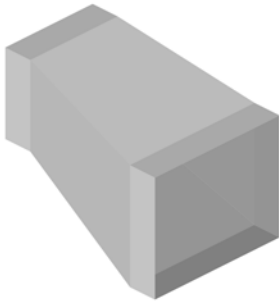
S2=None

Damper: None

None

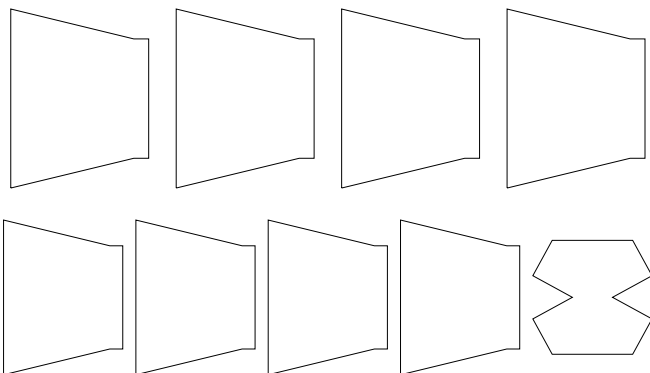
None

Rectangular



| Dims | Options | Conn's |
|-----------------|-------------------------|--------------------------------|
| A=Width In | 2 Parts=No | Fixing Holes on Tur... C1=None |
| B=Depth In | 3 Parts=No | Seam Cut Back=0.0... C2=None |
| C=Width Out | Vee Depth Male=A... | |
| D=Depth Out | Vee Depth Female=... | |
| E=Length | Vee Notch Angle=2... | |
| F=Extension In | Taper Notch If Strai... | |
| G=Extension Out | Female Allow=Shor... | |
| H=Offset Width | 2-Sided Part Allowa... | |
| I=Offset Depth | Offset Width=Left In | |
| J=Angle | Offset Depth=Botto... | |
| | Taper Notch If Strai... | |
| | Use Taper Notch F... | S1=None |
| | Connector Fold Not... | |
| | Vee Notch Depth=... | |
| | Vee Notch Angle=3... | |
| | Input=Length | |
| | Vee Notch Depth If... | Damper: |
| | Maximum Angle=1... | |
| | Splitter Turnover=0... | |
| | Splitter Extension=... | |
| | Splitter Adjust=0.000 | |
| | Connector Fold Not... | |
| | Vee Notch Depth=... | |
| | Vee Notch Angle=3... | |
| | Splitter Hole Diamo... | |
| | Number Of Holes=... | |
| | Splitters=Half | |
| | Hole Inset=0.000 | |

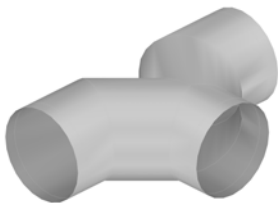
Rectangular



| Dims | Options | Conn's |
|--------------------|--------------------------|---------|
| A=Btm Width | Turnover Allowance=0.000 | C1=None |
| B=Btm Depth | Body Allowance=0.000 | C2=None |
| 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 | | |

Pattern: 344

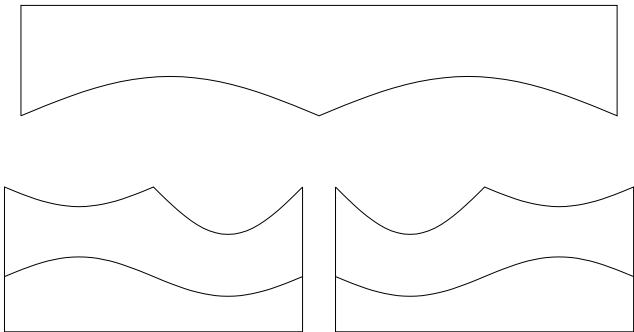
Round



| Dims | Options | Conn's |
|-----------------|-----------------------|---------|
| A=Diameter | Diameter Type=Nominal | C1=None |
| B=Length In | Single Segments=No | C2=None |
| C=Length Out | Marker Type=Notch | C3=None |
| D=X-Offset | | C4=None |
| E=Y-Offset | | C5=None |
| F=Extension In | | |
| G=Extension Out | | |

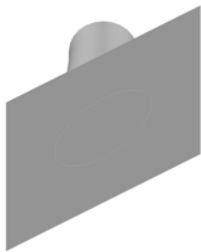
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 345

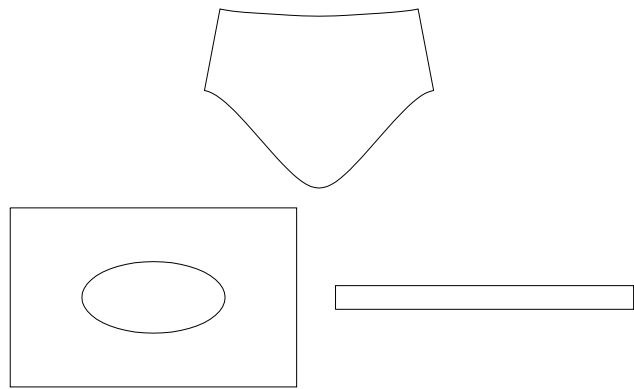
Round



| Dims | Options | Conn's |
|-------------------|----------------------------------|---------|
| A=Hole Diameter | Branch Parts=1 | C1=None |
| 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 | |

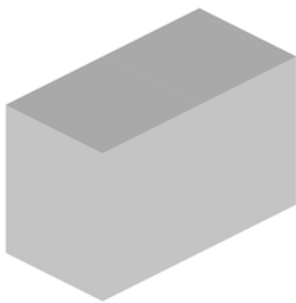
| Seams |
|---------|
| S1=None |
| S2=None |

Damper: None



Pattern: 346

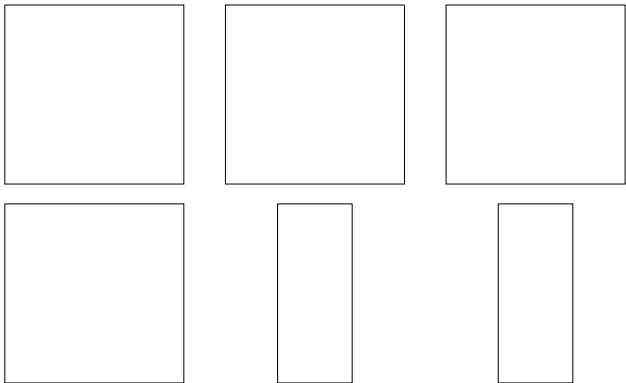
Rectangular



| Dims | Options | Conn's |
|--------------------------|--------------------------|---------|
| A=Right Width | Six Parts Left Lap=None | C1=None |
| 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 | |
| | Ensure Center Closed=No | |

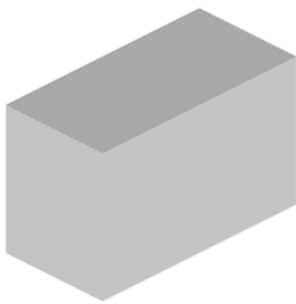
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 347

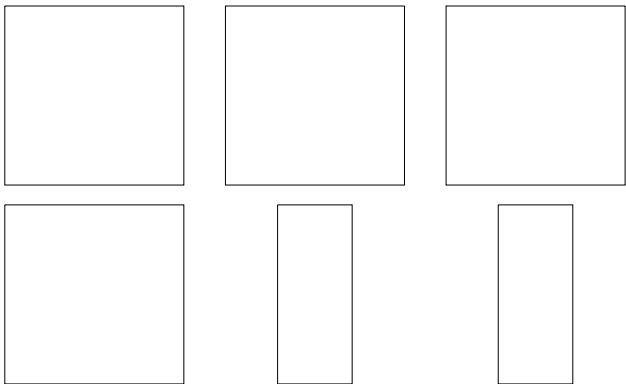
Rectangular



| Dims | Options | Conn's |
|--------------------------|--------------------------|---------|
| A=Right Width | Six Parts Left Lap=None | C1=None |
| 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 | |
| | Ensure Center Closed=No | |

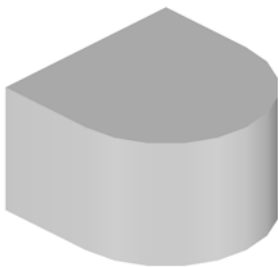
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 348

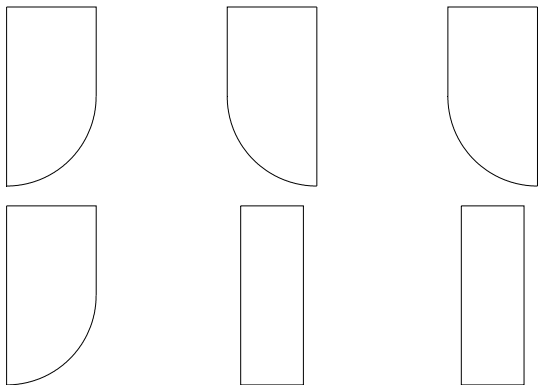
Rectangular



| Dims | Options | Conn's |
|--------------------------|--------------------------|---------|
| A=Radius | Six Parts Left Lap=None | C1=None |
| 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 | |
| | Ensure Center Closed=No | |

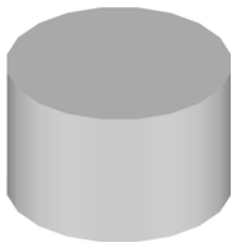
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 349

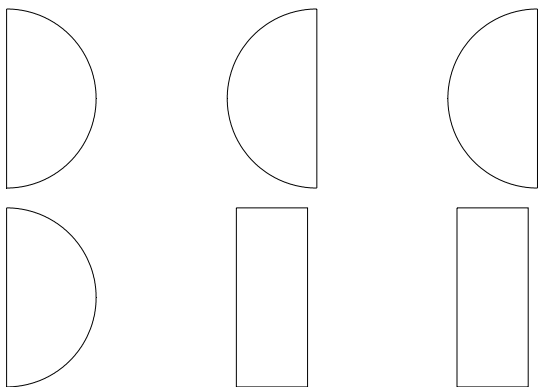
Rectangular



| Dims | Options | Conn's |
|--------------------------|--------------------------|---------|
| A=Radius | Six Parts Left Lap=None | C1=None |
| 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 | |
| | Ensure Center Closed=No | |

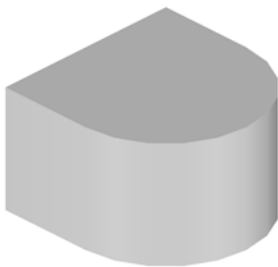
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 350

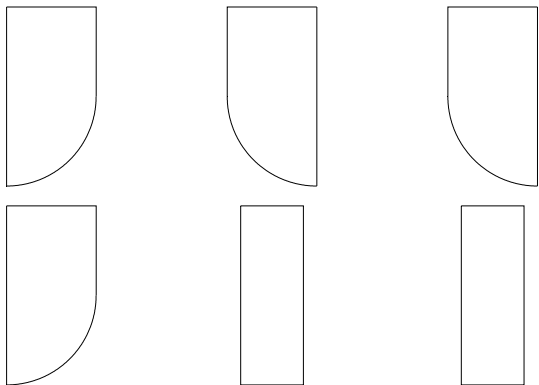
Rectangular



| Dims | | Options | Conn's |
|----------|----------|--------------------------|---------|
| A=Radius | B=Height | Six Parts Left Lap=None | C1=None |
| 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 | |
| | | Ensure Center Closed=No | |

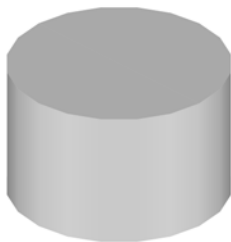
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 351

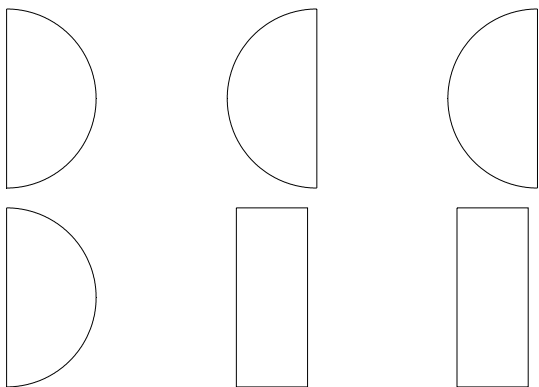
Rectangular



| Dims | | Options | Conn's |
|----------|----------|--------------------------|---------|
| A=Radius | B=Length | Six Parts Left Lap=None | C1=None |
| | | Six Parts Right Lap=None | C2=None |
| | | Clip Holes=No | C3=None |
| | | Alternate Weathering=No | |
| | | Ensure Center Closed=No | |

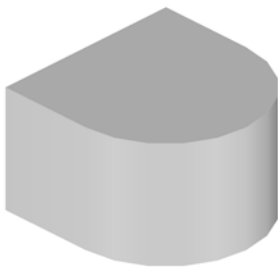
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 352

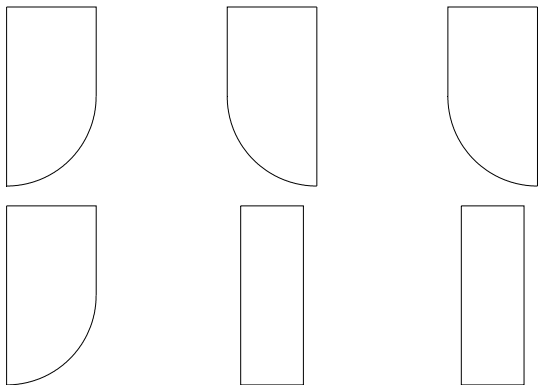
Rectangular



| Dims | Options | Conn's |
|--------------------------|--------------------------|---------|
| A=Radius | Six Parts Left Lap=None | C1=None |
| 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 | |
| | Ensure Center Closed=No | |

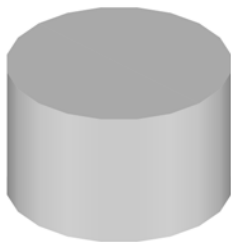
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 353

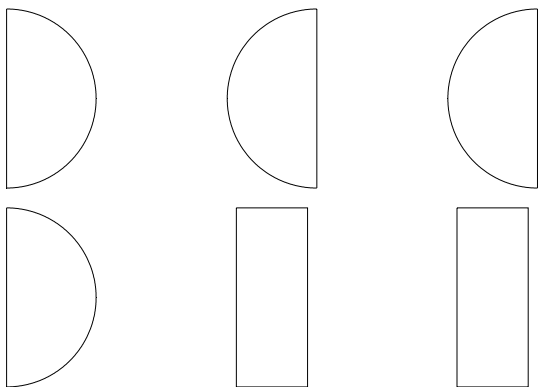
Rectangular



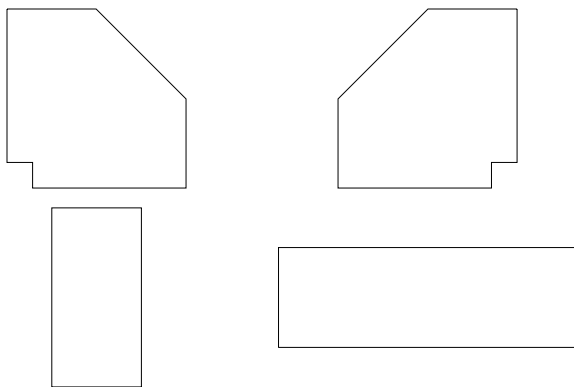
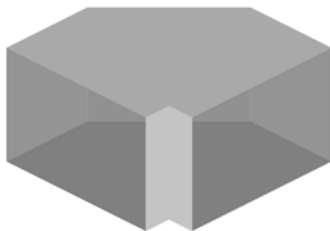
| Dims | Options | Conn's |
|--------------------------|--------------------------|---------|
| A=Radius | Six Parts Left Lap=None | C1=None |
| B=Length | Six Parts Right Lap=None | C2=None |
| C=Six Parts Left Height | Clip Holes=No | C3=None |
| D=Six Parts Right Height | Alternate Weathering=No |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

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Rectangular



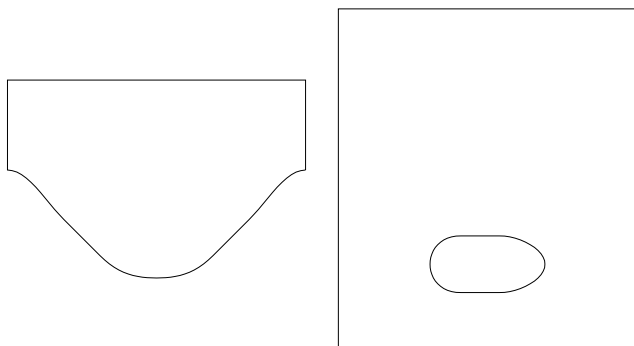
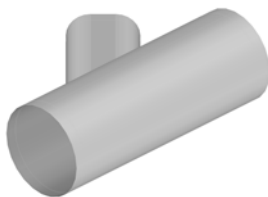
| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Top Width | Length Adjust For Part 4=0.000 | C1=None |
| B=Depth | Length Adjust For Part 3=0.000 | C2=None |
| C=Top Extension | Vee Depth Male=Auto | |
| D=Bottom Extension | Vee Depth Female=Auto | |
| | 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 | Seams |

Seams

S1=None
S2=None

Damper:

Round



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Width | Pipe Parts=1 | C1=None |
| B=Length | Branch Parts=1 | C2=None |
| C=Left Extension | Pipe Diameter Type=Nominal | C3=None |
| 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 | | |
| I=Inset #1 | | |
| J=Extension #1 | | |

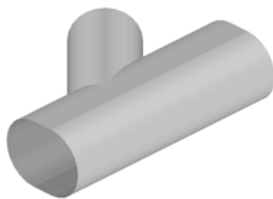
Seams

S1=None
S2=None

Damper:

Pattern: 356

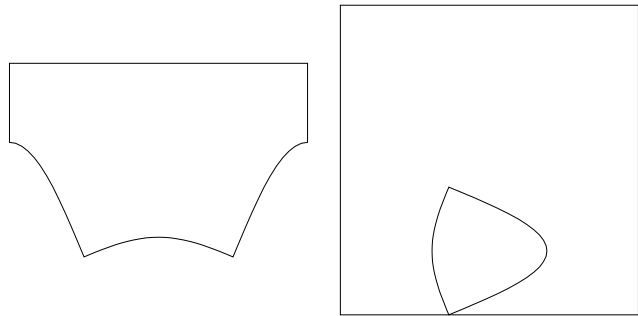
Flat Oval



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Width | Pipe Parts=1 | C1=None |
| B=Depth | Branch Parts=1 | C2=None |
| C=Length | Pipe Diameter Type=Nominal | C3=None |
| 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 | | |
| I=Inset #1 | | |
| J=Extension #1 | | |

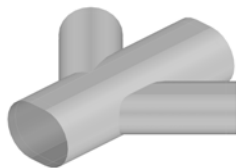
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 357

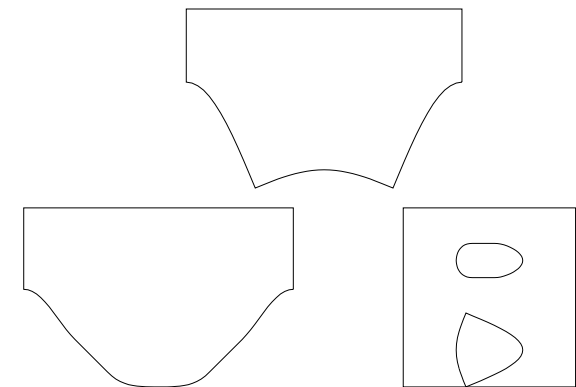
Flat Oval



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Width | Pipe Parts=1 | C1=None |
| B=Depth | Branch Parts=1 | C2=None |
| C=Length | Pipe Diameter Type=Nominal | C3=None |
| D=Left Extension | Branch Diameter Type=Nominal | C4=None |
| 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 | | |
| 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 | | |

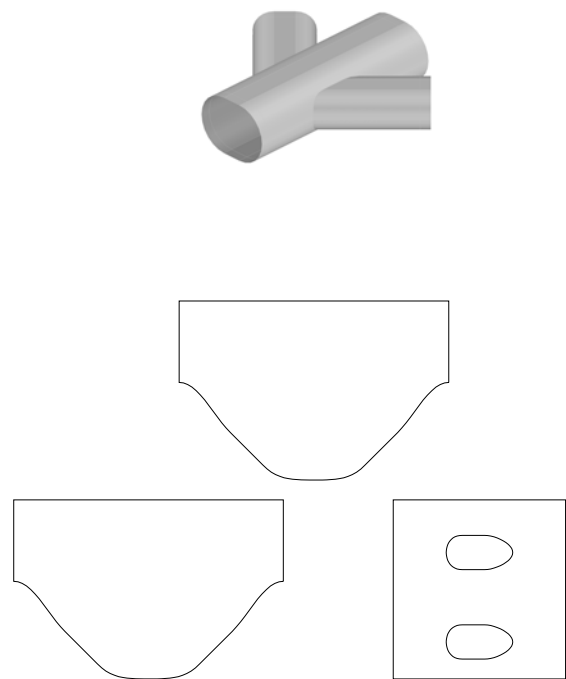
| Seams |
|---------|
| S1=None |
| S2=None |
| S3=None |

Damper:



Pattern: 358

Flat Oval



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Width | Pipe Parts=1 | C1=None |
| B=Depth | Branch Parts=1 | C2=None |
| C=Length | Pipe Diameter Type=Nominal | C3=None |
| D=Left Extension | Branch Diameter Type=Nominal | C4=None |
| 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 | | |
| 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=None

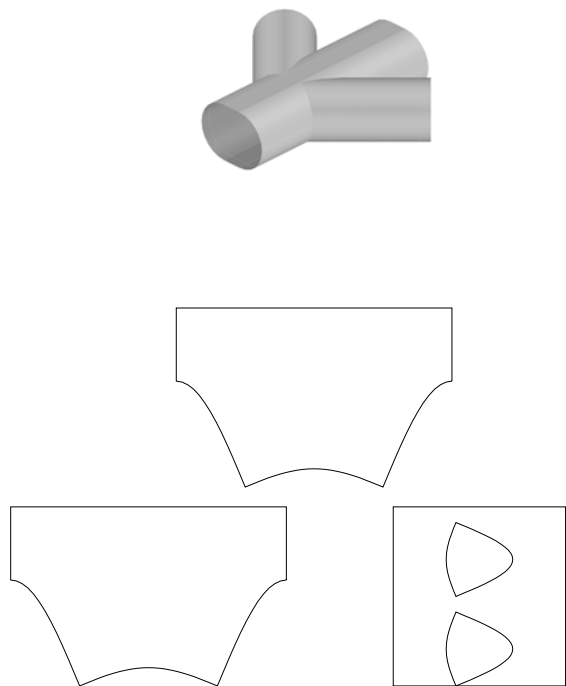
S2=None

S3=None

Damper:

Pattern: 359

Flat Oval



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Width | Pipe Parts=1 | C1=None |
| B=Depth | Branch Parts=1 | C2=None |
| C=Length | Pipe Diameter Type=Nominal | C3=None |
| D=Left Extension | Branch Diameter Type=Nominal | C4=None |
| 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 | | |
| 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=None

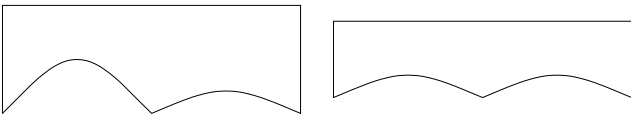
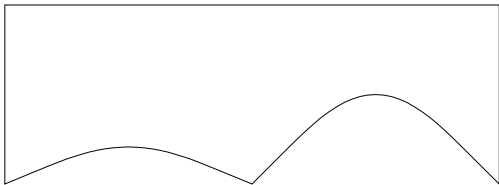
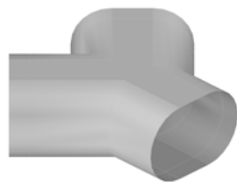
S2=None

S3=None

Damper:

Pattern: 360

Flat Oval



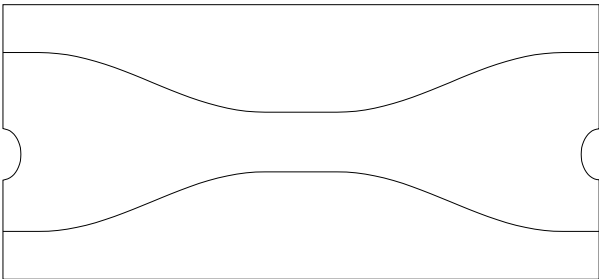
| Dims | Options | Conn's |
|--------------------|-----------------------|---------|
| A=Width | Diameter Type=Nominal | C1=None |
| B=Depth | | C2=None |
| C=Length In | | C3=None |
| D=Length Out | | C4=None |
| E=Angle | | C5=None |
| F=Bottom Extension | | |
| G=Left Extension | | |
| H=Right Extension | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 365

Flat Oval



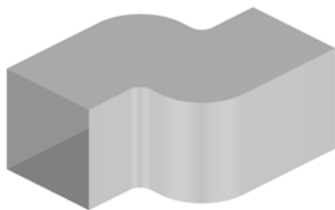
| Dims | Options | Conn's |
|--------------------|-------------------------------|---------|
| A=Width | Diameter Type=Nominal | C1=None |
| B=Depth | Seam Position=Throat | C2=None |
| C=Inner Radius | Single Segments=No | C3=None |
| D=Bottom Extension | Nest Break Start Segment=0 | C4=None |
| E=Top Extension | Nest Break End Segment=0 | |
| F=Branch Width | Notch Angle For Seam=0 | |
| G=Branch Depth | Leg Lengths=No | |
| H=Branch Inset | Length Includes Extensions=No | |
| I=Branch Offset | Branch Parts=No | |
| J=Branch Length | Branch Seam Position=Width | |
| K=Branch Angle | Branch Origin=C3 Inline | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 366

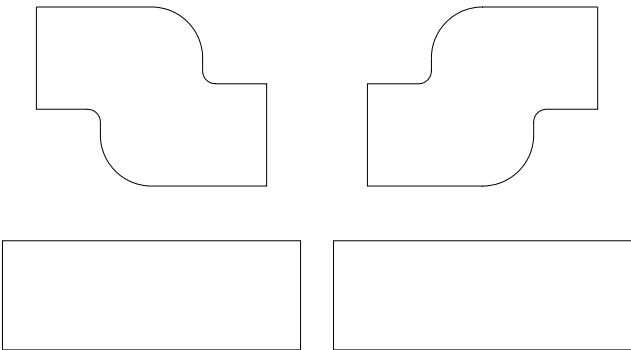
Rectangular



| Dims | Options | Conn's |
|-------------------|------------------------|---------|
| A=Left Width | Vee Depth Male=Auto | C1=None |
| B=Depth | Vee Depth Female=Auto | C2=None |
| C=Right Width | Vee Notch Angle=20.000 | |
| D=Length | | |
| E=Left Extension | | |
| F=Right Extension | | |
| G=Offset Width | | |
| H=Top Radius | | |
| I=Left Radius | | |
| J=Bottom Radius | | |
| K=Right Radius | | |

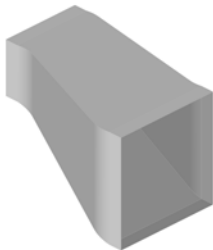
Seams
S1=None

Damper:



Pattern: 367

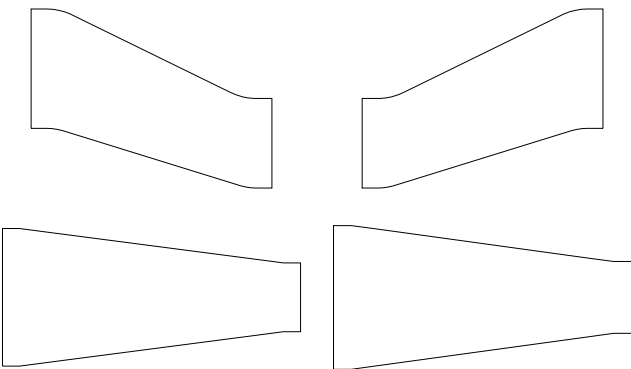
Rectangular



| Dims | Options | Conn's |
|-----------------|-------------------------|---------|
| A=Width In | Vee Depth Male=Auto | C1=None |
| B=Depth In | Vee Depth Female=Auto | C2=None |
| 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 | | |
| I=Offset Depth | | |
| J=Corner Radius | | |

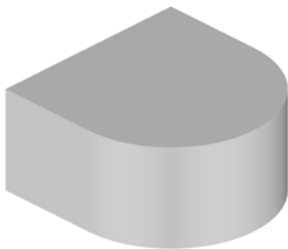
Seams
S1=None

Damper:



Pattern: 368

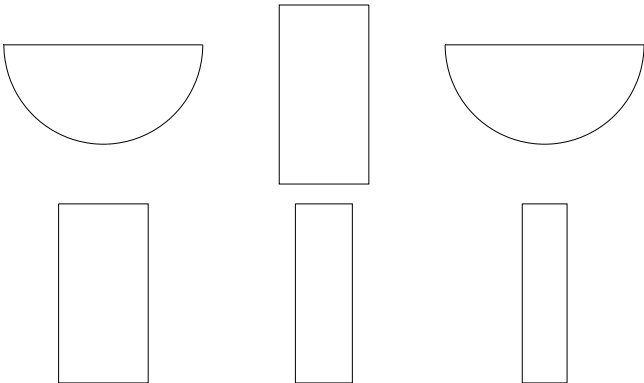
Rectangular



| Dims | | Options | Conn's |
|-------------------------|--|-------------------------|---------|
| A=Radius | | Six Parts Left Lap=None | C1=None |
| 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 | |

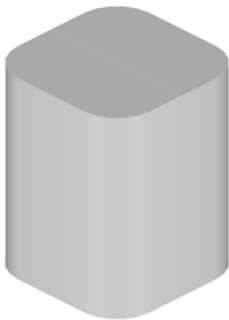
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 369

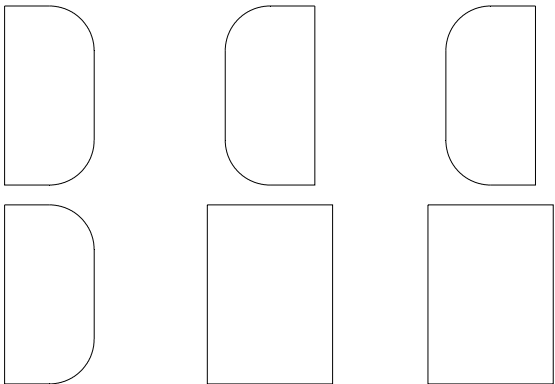
Rectangular



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

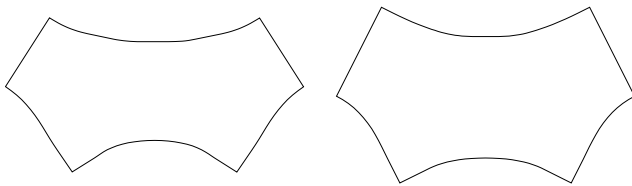
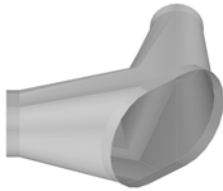
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 376

Flat Oval



| Dims | Options | Conn's |
|-----------------|------------------------------|---------|
| A=Btm Width | Bottom Diameter Type=Nominal | C1=None |
| B=Btm Depth | Left Diameter Type=Nominal | C2=None |
| C=Left Width | Right Diameter Type=Nominal | C3=None |
| D=Left Depth | Seam Position=Throat | C4=None |
| E=Right Width | | C5=None |
| 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 | | |

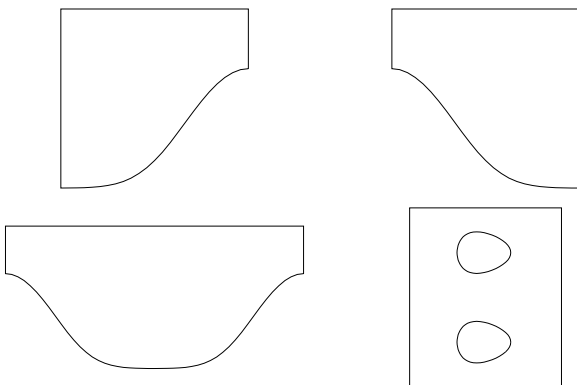
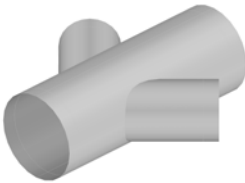
Seams

S1=None

Damper:

Pattern: 377

Flat Oval



| Dims | Options | Conn's |
|-----------------------|--------------------------------|---------|
| A=Major Axis | Pipe Parts=1 | C1=None |
| B=Minor Axis | Pipe Seam Position=0.000 | C2=None |
| C=Pipe Length | Pipe Diameter Type=Nominal | C3=None |
| D=Left Extension | Hole Adjust=0.000 | C4=None |
| 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 | | |
| S=Offset #2 | | |
| T=Rotation #2 | | |
| U=Collar #2 | | |
| V=Oval Half Extension | | |

Seams

S1=None

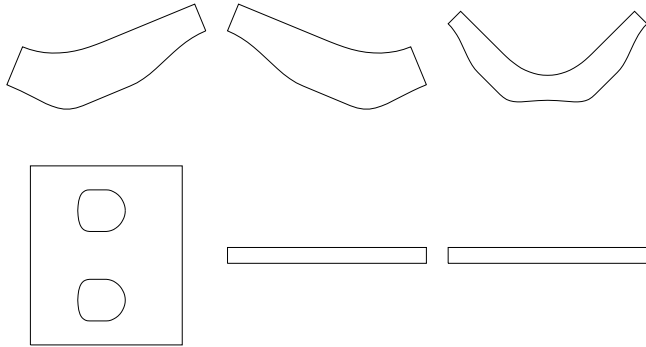
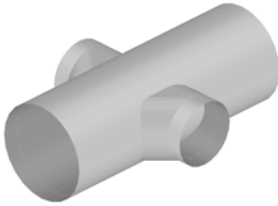
S2=None

S3=None

Damper:

Pattern: 378

Flat Oval



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Major Axis | Pipe Parts=1 | C1=None |
| B=Minor Axis | Pipe Seam Position=0.000 | C2=None |
| C=Pipe Length | Pipe Diameter Type=Nominal | C3=None |
| D=Left Extension | Hole Adjust=0.000 | C4=None |
| 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 | | |
| P=Branch Length #2 | | |
| Q=Angle #2 | | |
| R=Inset #2 | | |
| S=Offset #2 | | |
| T=Rotation #2 | | |
| U=Collar #2 | | |

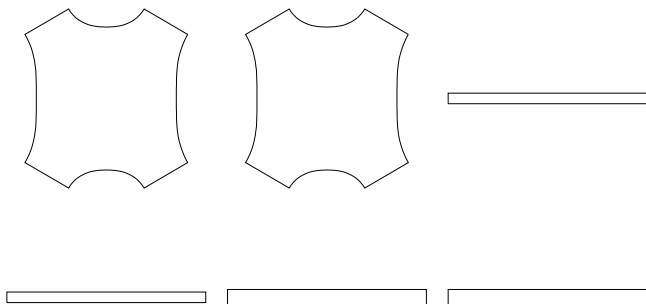
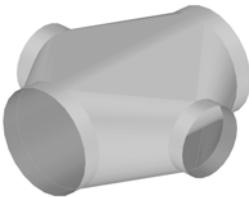
Seams

S1=None
S2=None
S3=None

Damper:

Pattern: 379

Round



| Dims | Options | Conn's |
|-------------------|-------------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Branch Diameter Type=Nominal | C2=None |
| C=Left Extension | Branch Diameter Type=Nominal | C3=None |
| 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 | |

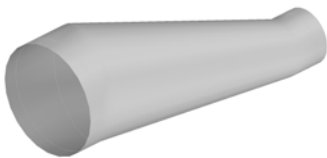
Seams

S1=None
S2=None

Damper:

Pattern: 380

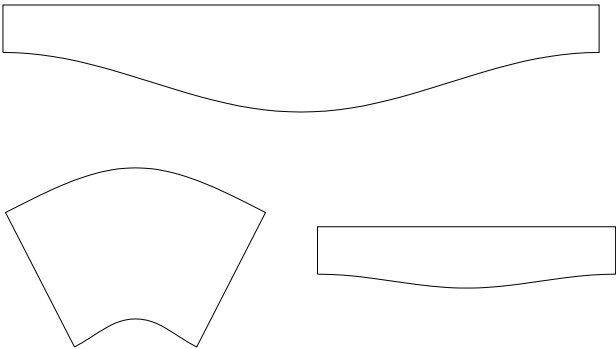
Round



| Dims | Options | Conn's |
|-------------------|-----------------------------|---------|
| A=Left Diameter | Seam Position=0.000 | C1=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 Extension | Marker Type=Notch | |
| F=Right Extension | Seam Position=Angled | |
| G=Left Collar | | |
| H=Right Collar | | |

| Seams |
|---------|
| S1=None |

Damper: None
None



Pattern: 381

Round



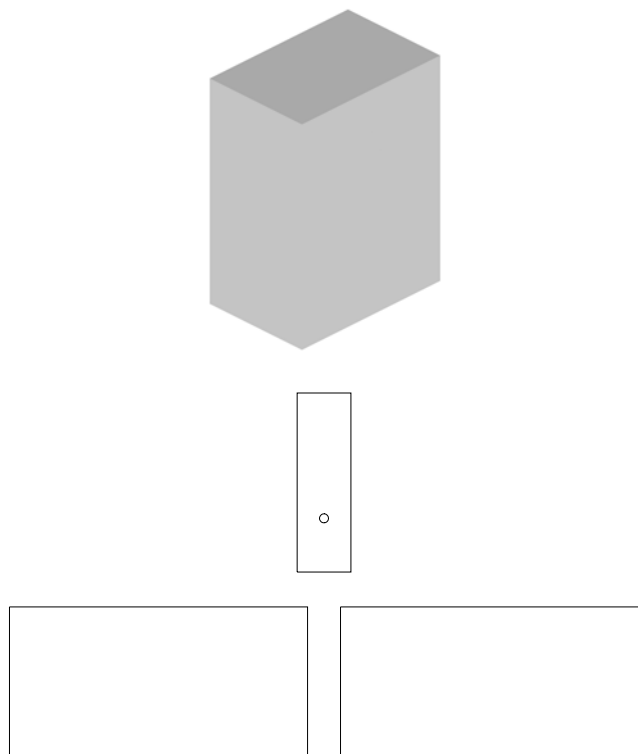
| Dims | Options | Conn's |
|---------------------|-----------------------|--------|
| A=Diameter B=Length | Diameter Type=Nominal | |
| | Stitch Gap=0.000 | |
| | Number Of Stitches=4 | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 382

Rectangular



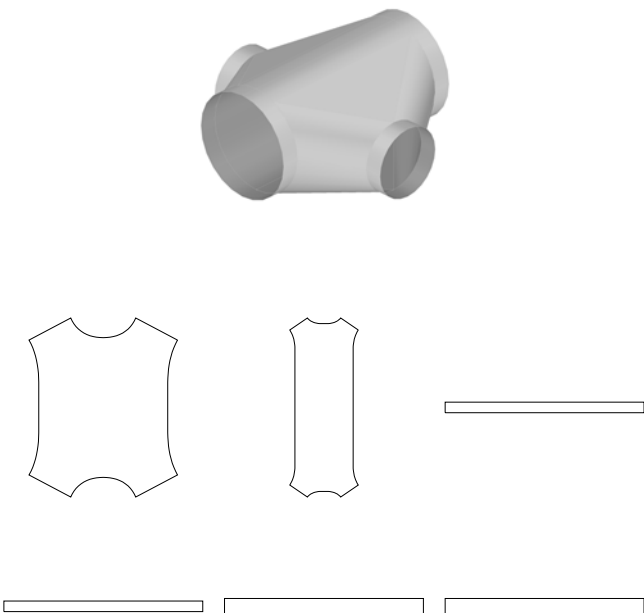
| Dims | Options | Conn's |
|--------------------|----------------------------|---------|
| A=Width | Notch Angle For Lid=45.000 | C1=None |
| B=Depth | Collar Allowance=0.000 | C2=None |
| C=Length | Diameter Type=Nominal | |
| D=Hole Width #1 | Hole Adjust=0.000 | |
| E=Hole Depth #1 | Hole Type=Front | |
| 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 | | |
| J=Hole Rotation #1 | | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper: None

Pattern: 383

Round



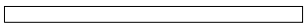
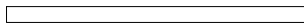
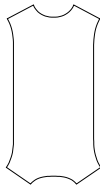
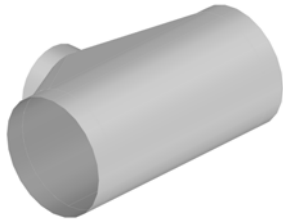
| Dims | Options | Conn's |
|-------------------|-------------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Branch Diameter Type=Nominal | C2=None |
| C=Left Extension | Branch Diameter Type=Nominal | C3=None |
| D=Branch Diameter | Hole 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=None |
| B=Pipe Length | Branch Diameter Type=Nominal | C2=None |
| C=Left Extension | Branch Diameter Type=Nominal | C3=None |
| 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 | |

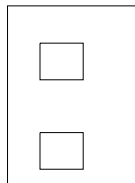
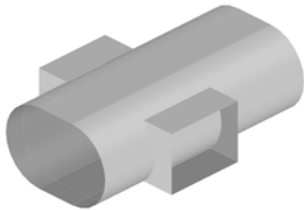
Seams

S1=None
S2=None

Damper:

Pattern: 385

Flat Oval



| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Major Axis | Pipe Diameter Type=Nominal | C1=None |
| B=Minor Axis | Round Allowance To Pipe=0.000 | C2=None |
| C=Pipe Length | Flat Allowance To Pipe=0.000 | C3=None |
| D=Left Extension | Pipe Parts=1 | C4=None |
| 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 | | |

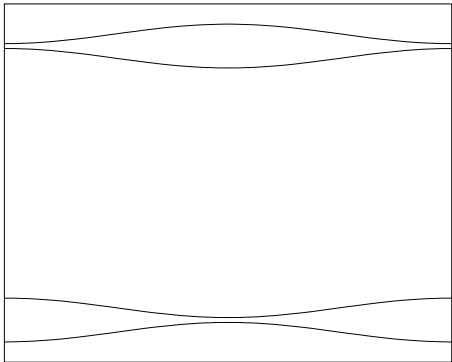
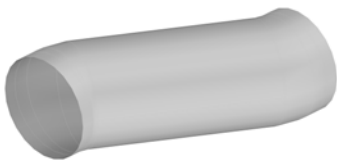
Seams

S1=None
S2=None

Damper:

Pattern: 386

Round



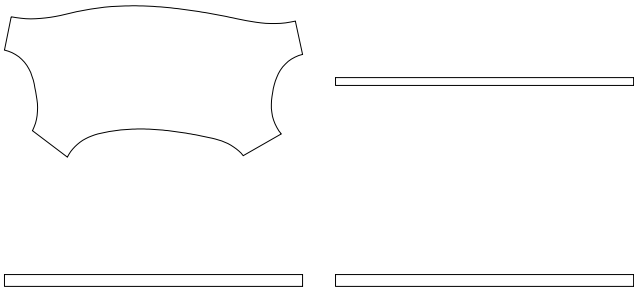
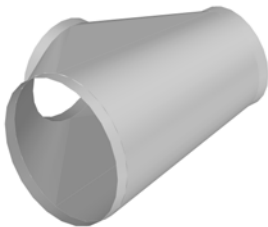
| Dims | Options | Conn's |
|----------------|-----------------------|---------|
| A=Diameter | Seam Position=0.000 | C1=None |
| B=Length | Single Segments=No | C2=None |
| C=Offset | Diameter Type=Nominal | C3=None |
| D=Left Collar | Cross Break=1 | |
| E=Right Collar | Marker Type=Notch | |
| F=Inner Radius | Seam Position=Angled | |
| | Stitch Gap=0.000 | |
| | Number Of Stitches=4 | |
| | Seam Cuts=Straight | |

Seams
S1=None

Damper: None
None

Pattern: 387

Round



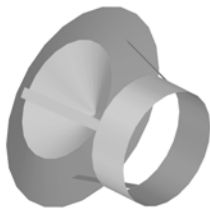
| Dims | Options | Conn's |
|-------------------|------------------------------|---------|
| A=Left Diameter | Left Diameter Type=Nominal | C1=None |
| B=Right Diameter | Right Diameter Type=Nominal | C2=None |
| C=Pipe Length | Branch Diameter Type=Nominal | C3=None |
| D=Y-Offset | Marker Notches=No | |
| 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

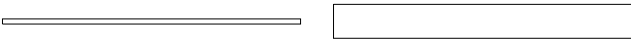
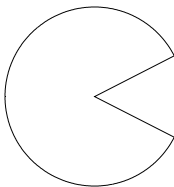
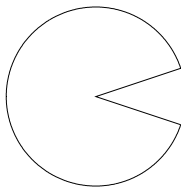
Round



| Dims | Options | Conn's |
|------------------|--------------------------------|---------|
| A=Outer Diameter | Number Of Struts=3 | C1=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: 390

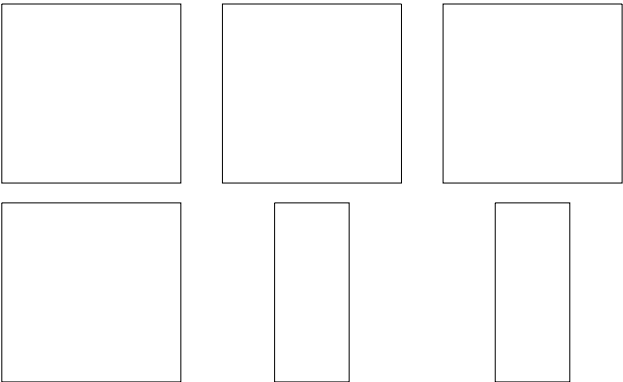
Rectangular



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

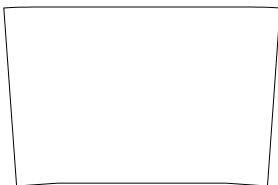
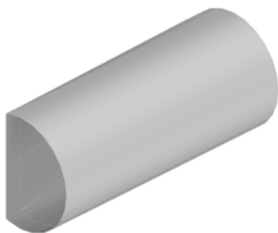
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 391

Round

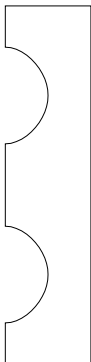
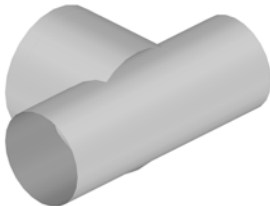


| Dims | Options | Conn's |
|----------------|----------------------------|---------|
| A=Diameter | 2 Parts=No | C1=None |
| B=Length | Vee Notch Angle=20.000 | C2=None |
| C=Slice Depth | Vee Notch Depth (C1)=0.000 | C3=None |
| D=Left Collar | Vee Notch Depth (C2)=0.000 | |
| E=Right Collar | Seam 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

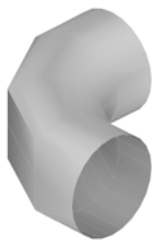


| Dims | Options | Conn's |
|----------------------|--------------------------------|---------|
| A=Pipe Diameter | Branch Parts=1 | C1=None |
| B=Branch Diameter #1 | First Break=0.000 | |
| C=Branch Length #1 | Second Break=0.000 | |
| D=Angle #1 | Third Break=0.000 | |
| E=Offset #1 | Seam Position=0.000 | |
| 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

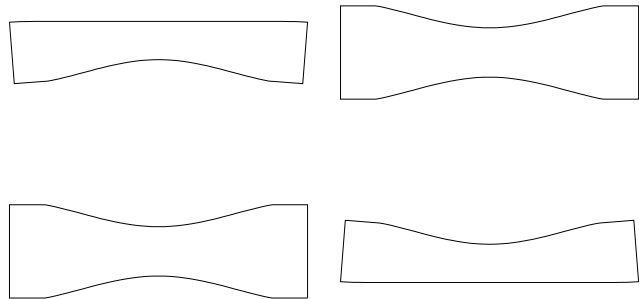
Round



| Dims | Options | Conn's |
|--------------------|-------------------------------|---------|
| A=Diameter | Number Of Segments=4 | C1=None |
| B=Inner Radius | Start Segment=2 | C2=None |
| C=Angle | End Segment=3 | C3=None |
| D=Bottom Extension | Leg Lengths=No | |
| E=Top Extension | Length Includes Extensions=No | |
| F=Slice Depth | Seam Position=Top | |
| G=Slice Angle | 2 Parts=No | |
| | Notch Corners=No | |
| | Notch Connectors=No | |
| | Draw C2=No | |
| | Draw C3=No | |

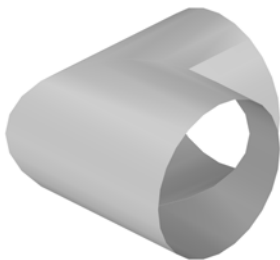
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 394

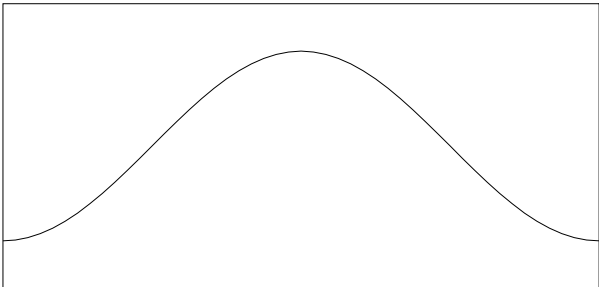
Round



| Dims | Options | Conn's |
|--------------------|------------------------------|---------|
| A=Bottom Diameter | Seam Position=0.000 | C1=None |
| B=Top Diameter | Bottom Diameter Type=Nominal | C2=None |
| 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 | |

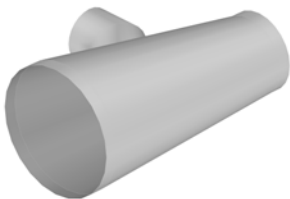
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 395

Round

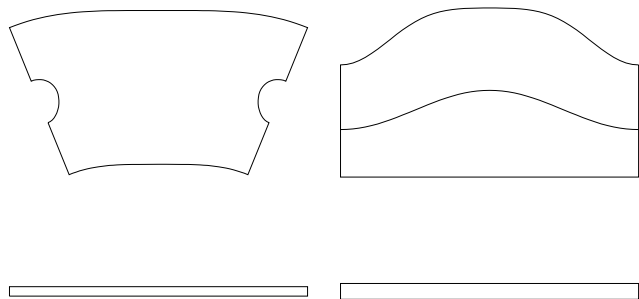


| Dims | Options | Conn's |
|-------------------|---------------------------------|---------|
| A=Left Diameter | Pipe Parts=1 | C1=None |
| B=Right Diameter | Branch Parts=1 | C2=None |
| C=Pipe Length | Seam Position=On Hole | C3=None |
| D=Y-Offset | Diameter Type BE=Nominal | C4=None |
| E=Left Collar | 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

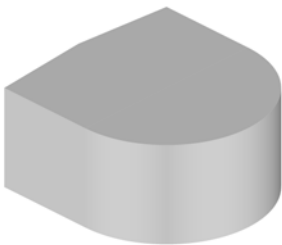
S2=None



Damper:

Pattern: 397

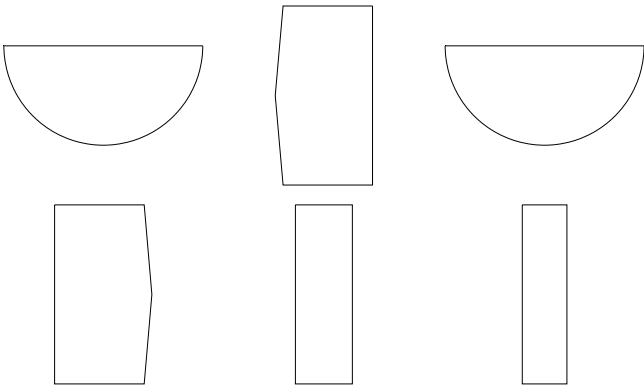
Rectangular



| Dims | Options | Conn's |
|-------------------------|-------------------------|---------|
| A=Radius | Six Parts Left Lap=None | C1=None |
| 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

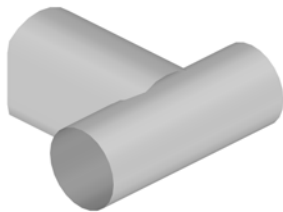
S1=None



Damper:

Pattern: 398

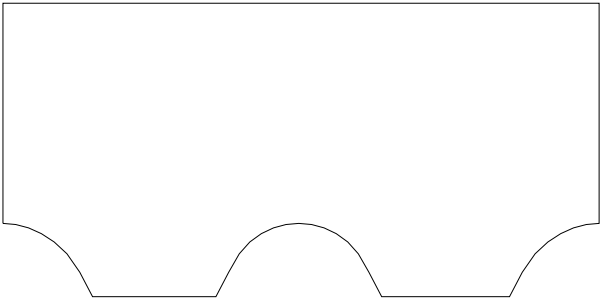
Round



| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Branch Diameter | Seam Position=Right | C1=None |
| 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 | |

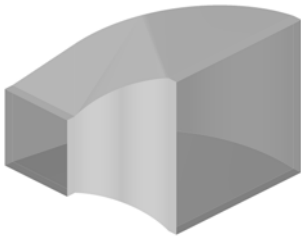
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 399

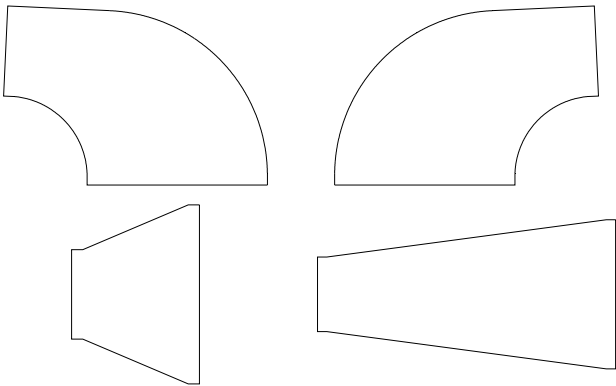
Rectangular



| Dims | Options | Conn's |
|--------------------|-----------------------------|---------|
| A=Btm Width | Throat Type=Radius | C1=None |
| B=Btm Depth | Vee Depth Male=Auto | C2=None |
| 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 | Splitter Slit Angle=10.000 | |
| | Intersect Splitter Holes=No | |

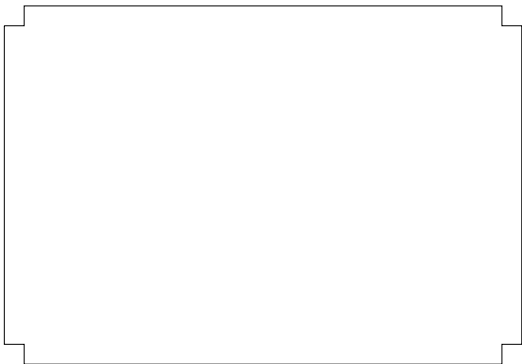
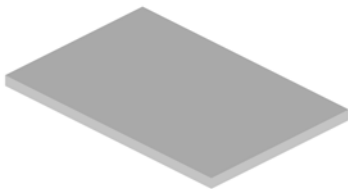
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 401

Rectangular



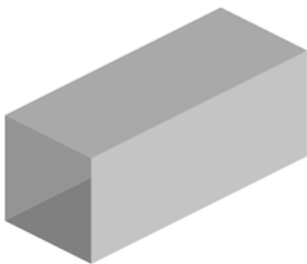
| Dims | | | Options | Conn's |
|------|-----|-----|------------------------------------------------------------------------------------------------------------|---------|
| A=a | B=b | C=e | Vee Notch Angle=90 Duct Adjust=0.000 Notch= Notch= Notch= Notch= Minimum Part Area=0.000 | C1=None |

Seams

Damper:

Pattern: 410

Rectangular



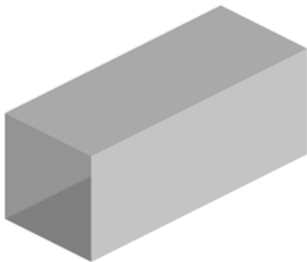
| Dims | | | Options | Conn's |
|------|-----|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 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 UI=Shortest Side | C1=None C2=None |

Seams
S1=None

Damper:

Pattern: 411

Rectangular

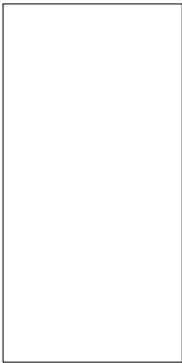
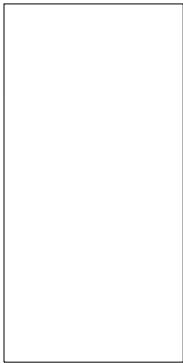
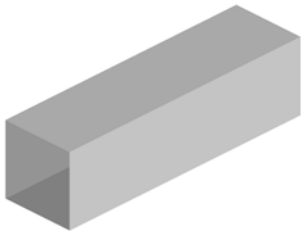


| Dims | | | Options | Conn's |
|------|-----|-----|----------------------------------|---------|
| A=a | B=b | C=l | Straight Type=1 Part Straight | C1=None |
| | | | Female Allow=Shortest Side | C2=None |
| | | | 1xU,1xl=Shortest Side | |
| | | | Connector Fold Notch=Use Default | |
| | | | Vee Notch Depth=Auto | |
| | | | Vee Notch Angle=30.000 | |
| | | | Connector Fold Notch=Use Default | |
| | | | Vee Notch Depth=Auto | |
| | | | Vee Notch Angle=30.000 | |
| | | | Beading=No | |
| | | | Insulation UI=Shortest Side | |
| | | | | Seams |
| | | | | S1=None |

Damper:

Pattern: 412

Rectangular

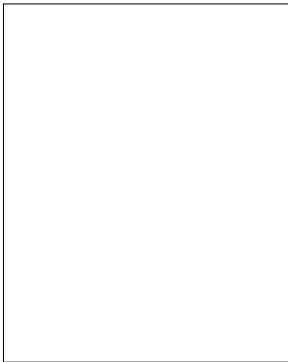
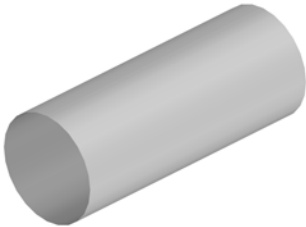


| Dims | | | | | Options | Conn's |
|------|-----|-----|-----|-----|----------------------------------|---------|
| A=a | B=b | C=l | D=e | E=f | Straight Type=1 Part Straight | C1=None |
| F=a | G=b | | | | Female Allow=Shortest Side | C2=None |
| | | | | | 1xU,1xl=Shortest Side | |
| | | | | | Connector 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 UI=Shortest Side | |
| | | | | | | Seams |
| | | | | | | S1=None |

Damper:

Pattern: 413

Round



| Dims | Options | Conn's |
|-------------------|-----------------------|---------|
| A=d | Seam Position=0.000 | C1=None |
| B=l | Diameter Type=Nominal | C2=None |
| 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



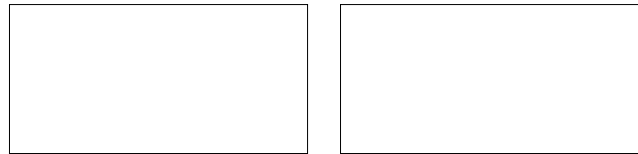
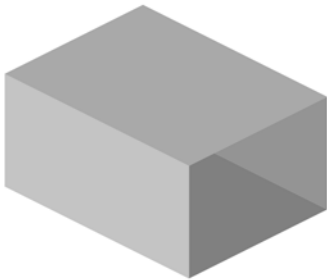
| Dims | Options | Conn's |
|---------------------|---------------------|---------|
| A=a B=b C=c D=d E=e | 1 Part Straight=Yes | C1=None |
| F=f G=l | | C2=None |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 417

Rectangular



| Dims | | | | Options | Conn's |
|------|-----|-----|-----|----------------------------------|---------|
| A=a | B=d | C=b | D=l | Throat Type=Mitred | C1=None |
| | | | | 2 Parts=Yes | C2=None |
| | | | | 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 | |

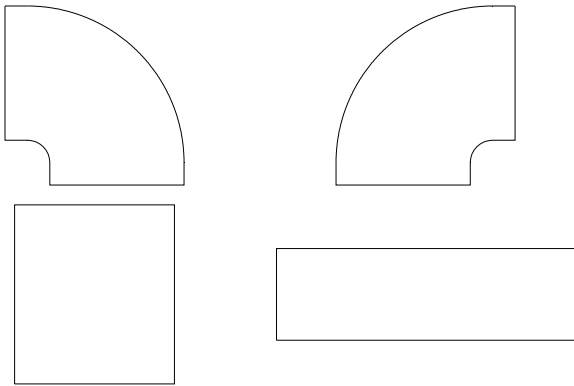
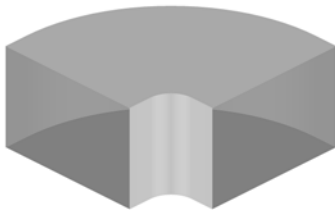
Seams

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=None |
| | | | | F=l | Length Adjust For Part 4=0.000 | C2=None |
| | | | | | 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 | |

Seams

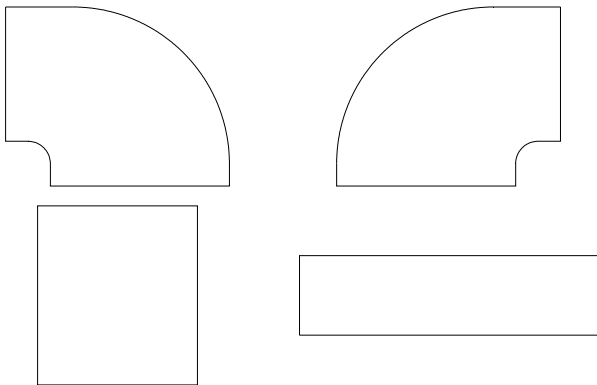
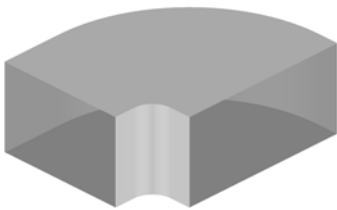
S1=None

S2=None

Damper:

Pattern: 421

Rectangular



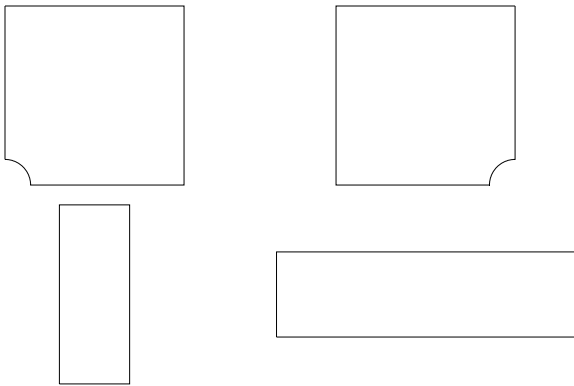
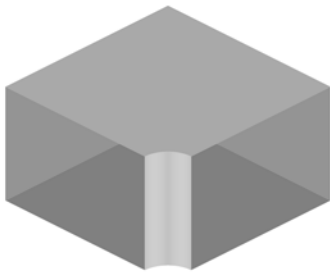
| Dims | | | | | Options | Conn's |
|------|-----|-----|-----|-----|--------------------------------|---------|
| A=a | B=b | C=d | D=e | E=f | Throat Type=Radius | C1=None |
| F=r | G=l | | | | Length Adjust For Part 4=0.000 | C2=None |
| | | | | | Length Adjust For Part 3=0.000 | |
| | | | | | Vee 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 | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 430

Rectangular



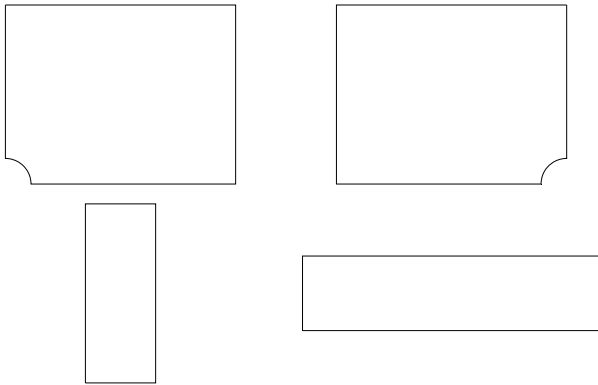
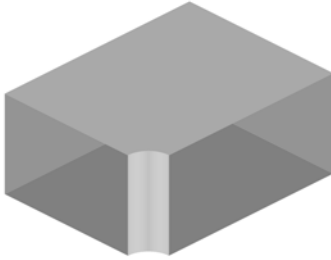
| Dims | | | | | Options | Conn's |
|------|-----|-----|-----|-----|--------------------------------|---------|
| A=a | B=b | C=e | D=f | E=r | Throat Type=Radius | C1=None |
| F=l | | | | | Length Adjust For Part 4=0.000 | C2=None |
| | | | | | Length Adjust For Part 3=0.000 | |
| | | | | | Vee Depth 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 | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 431

Rectangular



| Dims | Options | Conn's |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| A=a B=b C=d D=e E=f F=r G=l | Throat Type=Radius Length Adjust For Part 4=0.000 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 | C1=None C2=None |

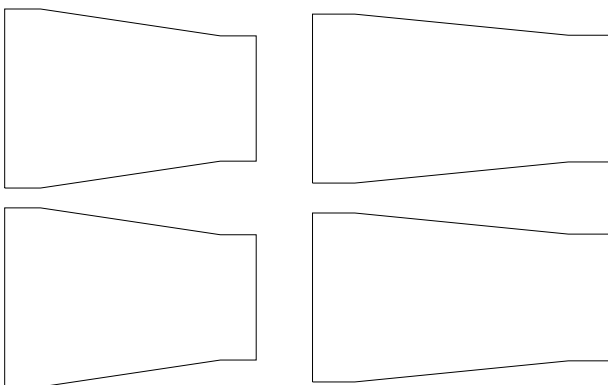
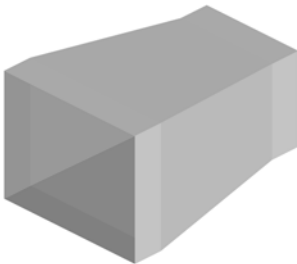
Seams

S1=None
S2=None

Damper:

Pattern: 440

Rectangular



| Dims | Options | Conn's |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| A=a B=b C=c D=d E=h F=m G=l H=Angle | 2 Parts=No 3 Parts=No Vee Depth Male=Auto 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 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 Seam Cut Back=0.000 | C1=None C2=None |

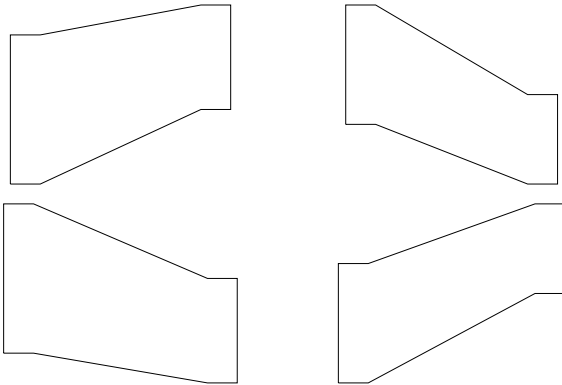
Seams

S1=None

Damper:

Pattern: 441

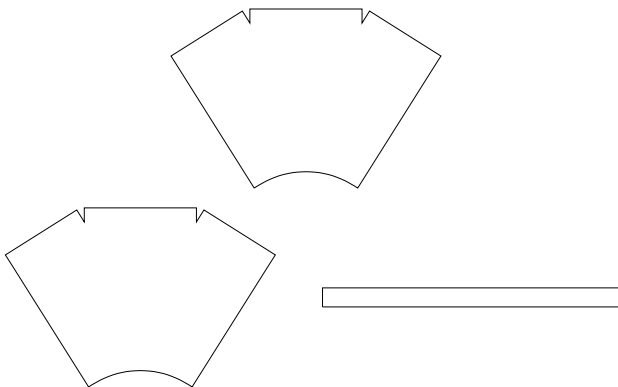
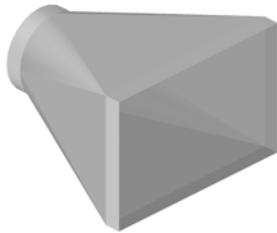
Rectangular



| Dims | | Options | Conn's |
|------|---------|----------------------------------------------|--------------|
| A=a | B=b | 2 Parts=No | C1=None |
| C=c | D=d | 3 Parts=No | C2=None |
| 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 | |
| | | 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 | |
| | | Seam Cut Back=0.000 | |
| | | | Seams |
| | | | S1=None |
| | | | Damper: |

Pattern: 450

Rectangular/Round

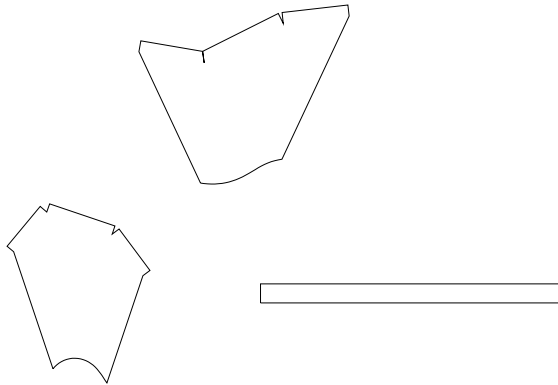
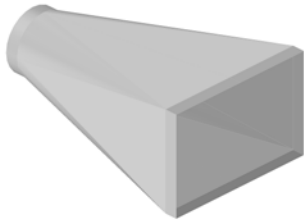


| Dims | | Options | Conn's |
|-----------------|--|----------------------------------|--------------|
| A=a | | Cross Break=2 | C1=None |
| B=b | | Length Break=1 | C2=None |
| C=d | | Diameter Type=Nominal | |
| D=h | | Seam Position=Width | |
| E=m | | Marker Type=Notch | |
| F=l | | Offset Width=Left In | |
| G=Corner Radius | | 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=None |

Damper: None

Pattern: 451

Rectangular/Round



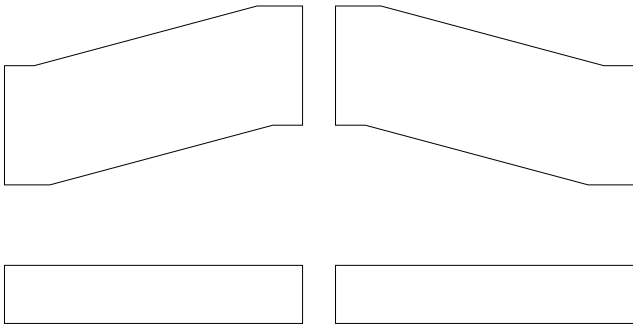
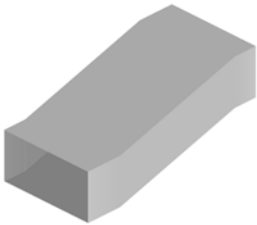
| Dims | Options | Conn's |
|-----------------|----------------------------------|---------|
| A=a | Cross Break=2 | C1=None |
| B=b | Length Break=1 | C2=None |
| C=d | Diameter Type=Nominal | |
| D=e | Seam Position=Width | |
| E=f | Marker Type=Notch | |
| F=h | Offset Width=Left In | |
| G=m | Offset Depth=Bottom Up | |
| H=l | Inlet=1 | |
| I=Corner Radius | 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=None

Damper: None

Pattern: 460

Rectangular



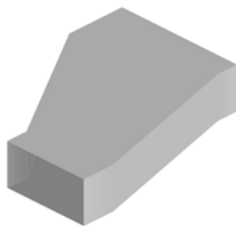
| Dims | Options | Conn's |
|-------------------|------------------------|---------|
| A=a | Vee Depth Male=Auto | C1=None |
| B=b | Vee Depth Female=Auto | C2=None |
| C=e | Vee Notch Angle=30.000 | |
| D=h | Offset=Bottom Up | |
| E=m | Split Mitre=No | |
| F=l | | |
| G=Angle | | |
| H=Left Extension | | |
| I=Right Extension | | |
| J=Right Width | | |

Seams
S1=None

Damper: None
None

Pattern: 461

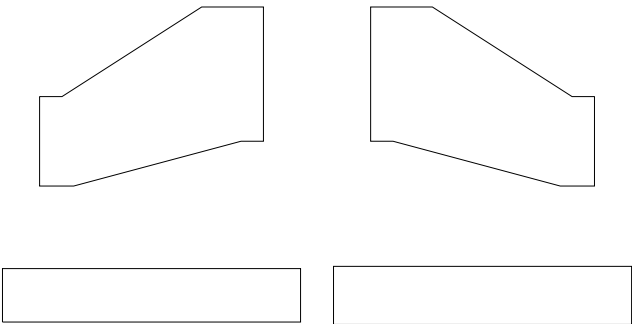
Rectangular



| Dims | Options | Conn's |
|-------------------|------------------------|---------|
| A=a | Vee Depth Male=Auto | C1=None |
| B=b | Vee Depth Female=Auto | C2=None |
| C=d | Vee Notch Angle=30.000 | |
| D=e | Offset=Bottom Up | |
| E=h | Split Mitre=No | |
| F=m | | |
| G=l | | |
| H=Angle | | |
| I=Left Extension | | |
| J=Right Extension | | |
| K=Right Width | | |

Seams
S1=None

Damper: None
None



Pattern: 470

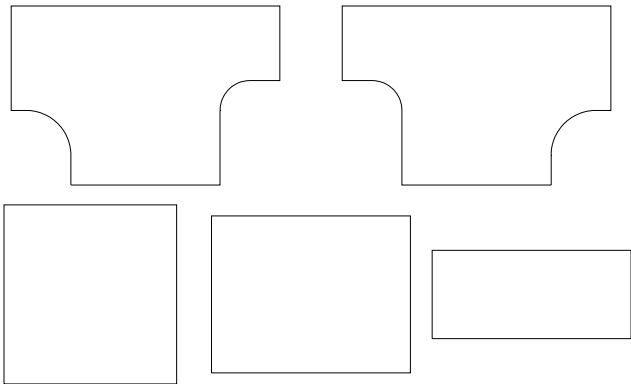
Rectangular



| Dims | Options | Conn's |
|---------------------|------------------------|---------|
| A=a | Throat Type=Radius | C1=None |
| B=b | 3 Parts=No | C2=None |
| C=d | Vee Depth Male=Auto | C3=None |
| D=h | Vee Depth Female=Auto | |
| E=i | Vee Notch Angle=30.000 | |
| F=j | Hole Diameter=0.500 | |
| G=p | Hole Spacing=2.000 | |
| H=q | Splitters=No | |
| I=r | Inlet=1 | |
| J=Splitter Distance | Outlet=2 | |

Seams
S1=None

Damper:



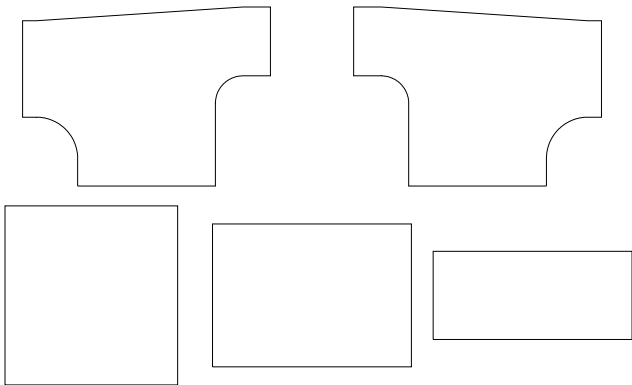
Pattern: 471

Rectangular



| Dims | Options | Conn's |
|---------------------|------------------------|---------|
| A=a | Throat Type=Radius | C1=None |
| B=b | 3 Parts=No | C2=None |
| C=d | Vee Depth Male=Auto | C3=None |
| D=e | Vee Depth Female=Auto | |
| E=h | Vee Notch Angle=30.000 | |
| F=i | Hole Diameter=0.500 | |
| G=j | Hole Spacing=2.000 | |
| H=p | Splitters=No | |
| I=q | Inlet=1 | |
| J=r | Outlet=2 | |
| K=Splitter Distance | | |
| | | Seams |
| | | S1=None |

Damper:



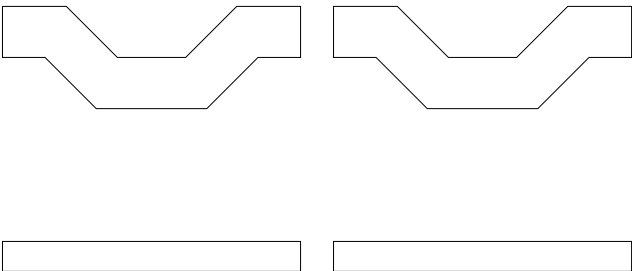
Pattern: 472

Rectangular



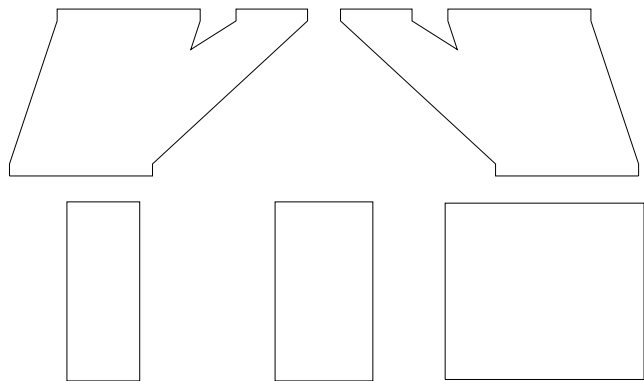
| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Left Width | Vee Depth Male=Auto | C1=None |
| B=Depth | Vee Depth Female=Auto | C2=None |
| C=Right Width | Vee Notch Angle=30.000 | |
| D=Centre Length | Length Includes Extensions=No | |
| E=Left Extension | Centre Width=No | |
| F=Right Extension | | |
| G=Offset | | |
| H=Angle | | |
| I=Total Length | | |
| | | Seams |
| | | S1=None |

Damper:



Pattern: 480

Rectangular



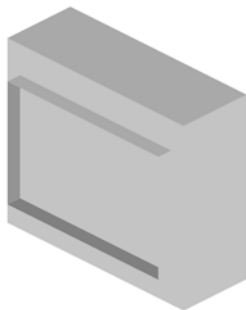
| Dims | | Options | Conn's |
|-----------------|--|------------------------|---------|
| A=a | | Vee Depth Male=Auto | C1=None |
| B=b | | Vee Depth Female=Auto | C2=None |
| C=d | | Vee Angle Male=30 | C3=None |
| D=e | | Vee Angle Female=30 | |
| E=h | | Offset Depth=Bottom Up | |
| F=i | | Offset Width=Left Out | |
| G=j | | | |
| H=l | | | |
| I=m | | | |
| J=Branch Height | | | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 501

Rectangular/Equipment



| Dims | | Options | Conn's |
|----------|---------|-----------------------|---------|
| A=Width | B=Depth | Install Type=Plain | C1=None |
| C=Length | D=Inset | Control Type=None | C2=None |
| E=Sides | F=Top | Type=Single | |
| | | Temperature Type=None | |
| | | Draw Type=None | |
| | | Lines=No | |
| | | Cost Supports=No | |
| | | Lines Type=Quantity | |
| | | Lines=3.000 | |

| Seams |
|-------|
|-------|

Damper:

Pattern: 502

Rectangular/Equipment



| Dims | | Options | Conn's |
|----------|---------|------------------------|---------|
| A=Width | B=Depth | Install Type=Plain | C1=None |
| C=Length | D=Inset | Control Type=None | C2=None |
| E=Sides | F=Top | Type=Single | |
| G=Bottom | | Temperature Type=None | |
| | | Draw Type=None | |
| | | Lines=No | |
| | | Connector 1 Outside=No | |
| | | Connector 2 Outside=No | |
| | | Cost Supports=No | |
| | | Lines Type=Quantity | |
| | | Lines=3.000 | |

Seams

Damper:

Pattern: 503

Rectangular/Equipment



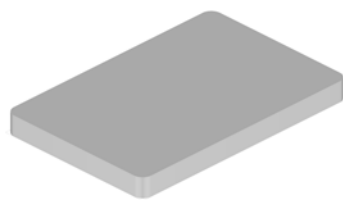
| Dims | | Options | Conn's |
|------------------------|--|-----------------------------|---------|
| A=Width | | Position From=Edge | C1=None |
| B=Depth | | Lines=3 | C2=None |
| C=Height | | Rotation=0.000 | |
| D=Plate Border (Width) | | Arrows/Lines=None | |
| E=Plate Border (Depth) | | Arrows/Lines Sides=0 | |
| | | Lines/Circles Spacing=1.000 | |
| | | Arrows Direction=Auto | |
| | | Circles=No | |
| | | Arrows Type=1 | |

Seams

Damper:

Pattern: 504

Rectangular



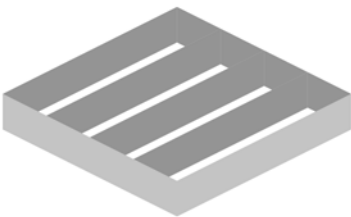
| Dims | Options | Conn's |
|------------------|---------------------------|---------|
| A=Width | Number Of Locks=0 | C1=None |
| B=Depth | Area Of Influence X=0.000 | C2=None |
| C=Turnover | Area Of Influence Y=0.000 | |
| D=Corner Radius | Area Of Influence Z=0.000 | |
| E=Inner Diameter | Mirror=No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

Seams

Damper:

Pattern: 505

Rectangular/Equipment



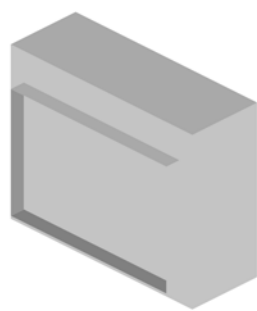
| Dims | Options | Conn's |
|------------------------|-----------------------------|---------|
| A=Width | Type=Supply | C1=None |
| B=Depth | Position From=Edge | C2=None |
| C=Height | Lines=3 | |
| D=Plate Border (Width) | Rotation=0.000 | |
| E=Plate Border (Depth) | Arrows/Lines=None | |
| | Arrows/Lines Sides=0 | |
| | Lines/Circles Spacing=1.000 | |
| | Arrows Direction=Auto | |
| | Circles=No | |
| | Arrows Type=1 | |
| | Cost Supports=No | |

Seams

Damper:

Pattern: 506

Rectangular/Equipment

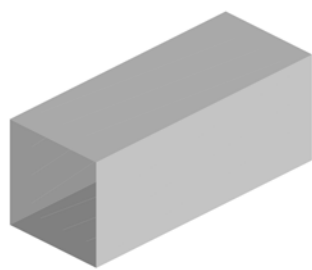


| Dims | | Options | Conn's |
|----------|---------|------------------------|---------|
| A=Width | B=Depth | Install Type=Plain | C1=None |
| C=Length | D=Inset | Control Type=None | |
| E=Sides | F=Top | Type=Single | |
| G=Bottom | | Temperature Type=None | |
| | | Draw Type=None | |
| | | Lines=No | |
| | | Connector 1 Outside=No | |
| | | Connector 2 Outside=No | |
| | | Cost Supports=No | |
| | | Lines Type=Quantity | |
| | | Lines=3.000 | |
| | | | Seams |

Damper:

Pattern: 507

Rectangular/Equipment



| Dims | | Options | Conn's |
|----------------|--|---------------------|---------|
| A=Width | | Type=Plain | C1=None |
| B=Depth | | Type=Single | C2=None |
| C=Length | | Type=Multiple Banks | |
| D=Damper Angle | | X-Offset=0.000 | |
| | | Y-Offset=0.000 | |
| | | Develop=No | |
| | | | Seams |

Damper:

Pattern: 509

Round/Flat Oval/Equipment

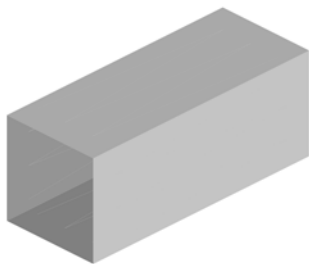


| Dims | Options | Conn's |
|--------------|-----------------------|---------|
| A=Diameter | Install Type=Plain | C1=None |
| B=Length | Sex Type=Male | C2=None |
| C=Inset | Control Type=None | |
| D=Sides | Type=Single | |
| E=Top | Draw Type=None | |
| F=Bottom | Temperature Type=None | |
| G=Oval Depth | Draw Type=None | |
| | Lines=No | |
| | Cost Supports=No | |
| | Lines Type=Quantity | |
| | Lines=3.000 | |
| | | Seams |

Damper:

Pattern: 514

Rectangular/Equipment

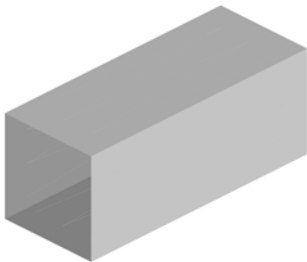


| Dims | Options | Conn's |
|----------------|---------------------|---------|
| A=Width | Type=Plain | C1=None |
| B=Depth | Type=Single | C2=None |
| C=Length | Type=Multiple Banks | |
| D=Damper Angle | X-Offset=0.000 | |
| | Y-Offset=0.000 | |
| | Develop=No | |
| | | Seams |

Damper:

Pattern: 515

Rectangular/Equipment



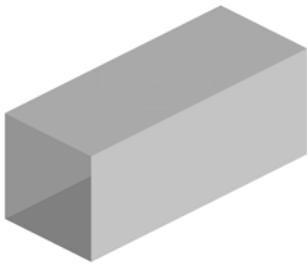
| Dims | | Options | Conn's |
|----------------|--|---------------------|---------|
| A=Width | | Type=Plain | C1=None |
| B=Depth | | Type=Single | |
| C=Length | | Type=Multiple Banks | |
| D=Damper Angle | | X-Offset=0.000 | |
| | | Y-Offset=0.000 | |
| | | Develop=No | |

Seams

Damper:

Pattern: 518

Rectangular/Equipment



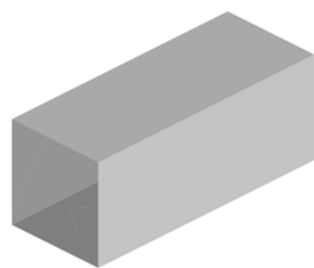
| Dims | | Options | Conn's |
|----------|---------|-------------|---------|
| A=Width | B=Depth | Type=Heater | C1=None |
| C=Length | | Chevron=0 | C2=None |
| | | Develop=No | |

Seams

Damper:

Pattern: 519

Rectangular/Equipment



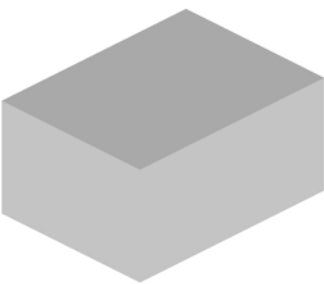
| Dims | | Options | Conn's |
|----------|---------|----------------------|---------|
| A=Width | B=Depth | Draw Type=Attenuator | C1=None |
| C=Length | | Develop=No | C2=None |
| | | Lines Type=Quantity | |
| | | Lines=3.000 | |

Seams

Damper:

Pattern: 521

Rectangular/Standard/Equipment



| 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/Equipment



| 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: 523

Round/Equipment



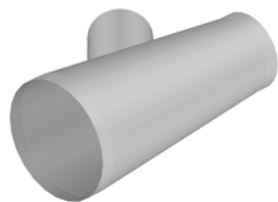
| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Diameter | Number Of Segments=4 | C1=None |
| B=Inner Radius | Diameter Type=Nominal | C2=None |
| C=Angle | Angle Tolerance=0.000 | C3=None |
| D=Bottom Extension | Mark Sides=No | |
| E=Top Extension | Leg Lengths=No | |
| | Fixing Holes On Extension=Yes | |
| | Square Outer Insulation=No | |
| | Outer Insulation Extensions=No | |
| | Develop=No | |

| Seams |
|---------|
| S1=None |

Damper: None
None

Pattern: 524

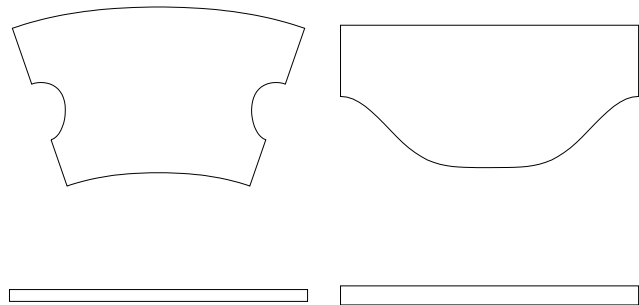
Round



| Dims | Options | Conn's |
|-------------------|---------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Diameter | Branch Parts=1 | C2=None |
| C=Pipe Length | Seam Position=On Hole | C3=None |
| 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 | | |

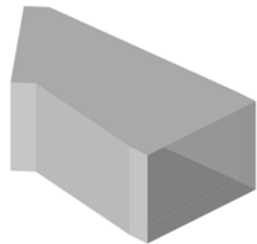
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 525

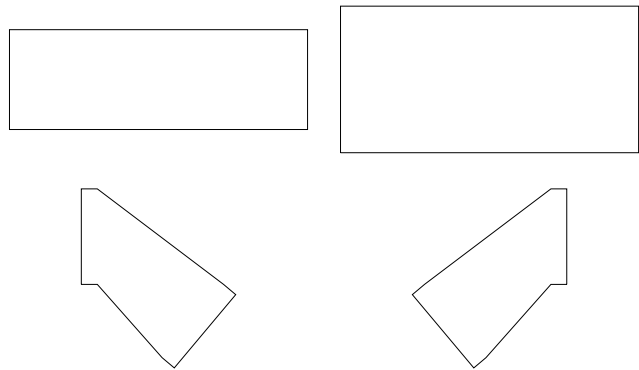
Rectangular



| Dims | Options | Conn's |
|-----------------|-----------------------|---------|
| A=Width In | Folds=Out | C1=None |
| B=Depth In | Offset Width=Right In | C2=None |
| C=Width Out | New Pattern=No | |
| D=Depth Out | | |
| E=Length | | |
| F=Angle | | |
| G=Extension In | | |
| H=Extension Out | | |
| I=Offset Width | | |

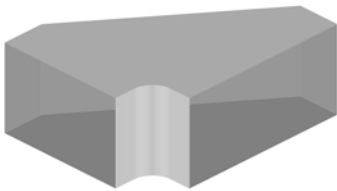
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 526

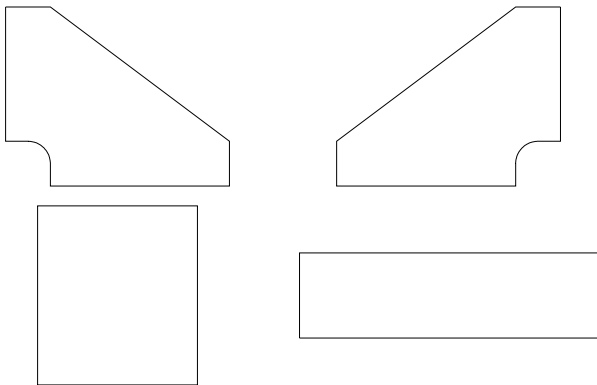
Rectangular



| Dims | Options | Conn's |
|--------------------------|--------------------------------|---------|
| A=Top Width | Throat Type=Radius | C1=None |
| B=Depth | Length Adjust For Part 4=0.000 | C2=None |
| 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 | |

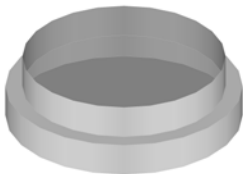
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 530

Round/Flat Oval/Equipment



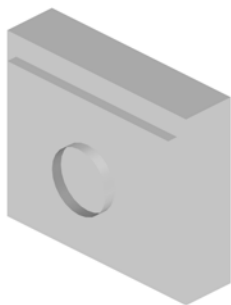
| Dims | Options | Conn's |
|--------------|--------------------------------|---------|
| A=Diameter | Sex Type=Male | C1=None |
| B=Collar | Extension includes Diameter=No | C2=None |
| C=Length | Type=None | |
| D=Offset | Circles=0 | |
| E=Oval Depth | Cost Supports=No | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 533

Round/Flat Oval/Equipment



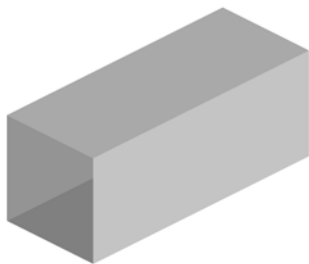
| Dims | | Options | Conn's |
|----------------|--|-----------------------|---------|
| A=Diameter | | Install Type=Plain | C1=None |
| B=Width | | Sex Type=Male | C2=None |
| C=Depth | | Control Type=None | |
| D=Length | | Type=Single | |
| E=Inset | | Draw Type=None | |
| F=Inset | | Temperature Type=None | |
| G=Sides | | Draw Type=None | |
| H=Top | | Lines=No | |
| I=Bottom | | Cost Supports=No | |
| J=Collar | | Lines Type=Quantity | |
| K=Right Collar | | Lines=3.000 | |
| L=Oval Depth | | | |

Seams

Damper:

Pattern: 535

Rectangular/Equipment



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

Seams

Damper:

Pattern: 555

Round/Flat Oval/Equipment



| Dims | Options | Conn's |
|--------------|------------------|---------|
| A=Diameter | Type=Plain | C1=None |
| B=Collar | Sex Type=Male | C2=None |
| 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=None |

Damper:

Pattern: 556

Round/Flat Oval/Equipment



| Dims | Options | Conn's |
|--------------|---------------------|---------|
| A=Diameter | Sex Type=Male | C1=None |
| B=Collar | Draw Type=Plain | C2=None |
| C=Length | Lines Type=Quantity | |
| D=Offset | Lines=3.000 | |
| E=Oval Depth | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 557

Round/Flat Oval/Equipment



| Dims | Options | Conn's |
|--------------|------------------|---------|
| A=Diameter | Type=Plain | C1=None |
| B=Collar | Sex Type=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

Damper:

Pattern: 580

Round



| Dims | Options | Conn's |
|--------------------------|------------------------------|---------|
| A=Width | Pipe Diameter Type=Nominal | C1=None |
| B=Branch Width #1 | Branch Diameter Type=Nominal | C2=None |
| C=Branch Depth #1 | Outline Only=Yes | C3=None |
| 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 | | |

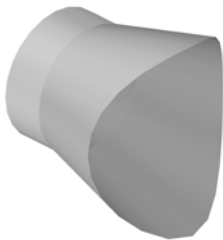
Seams

S1=None
S2=None

Damper:

Pattern: 751

Round



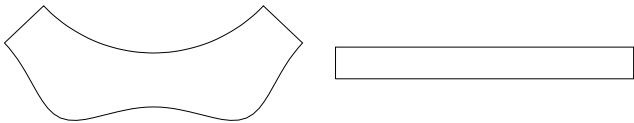
| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Pipe Diameter | Branch Parts=1 | C1=None |
| B=Branch Diameter | Seam Position=0.000 | C2=None |
| C=Branch Length | Pipe Diameter Type=Nominal | C3=None |
| D=Angle | Branch Diameter Type=Nominal | |
| E=Collar | 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

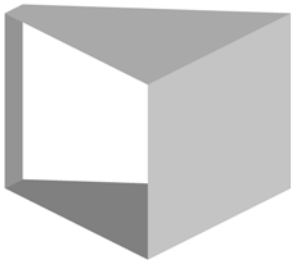
S2=None

Damper: None
None
None



Pattern: 760

Rectangular

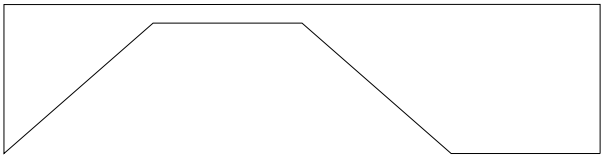


| Dims | Options | Conn's |
|------------------------|--------------------|---------|
| A=Width B=Depth | Branch Parts=1 | C1=None |
| C=Length #1 D=Angle | Input=Both Lengths | C2=None |
| E=Length #2 F=Width | | |

Seams

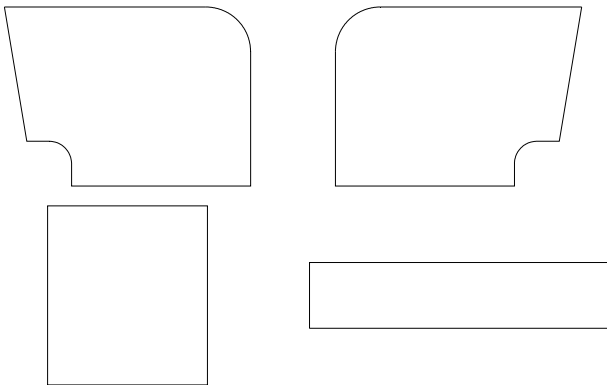
S1=None

Damper:



Pattern: 761

Rectangular



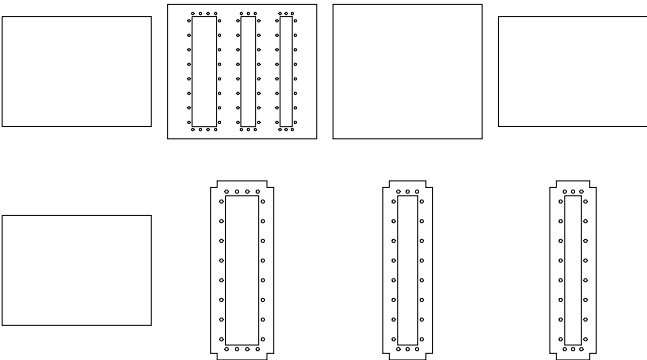
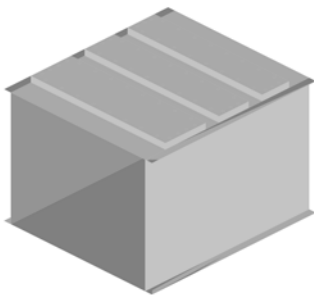
| Dims | Options | Conn's |
|-----------------------|--------------------------------|---------|
| A=Top Width | Throat Type=Radius | C1=None |
| B=Depth | Length Adjust For Part 4=0.000 | C2=None |
| C=Btm Width | Length Adjust For Part 3=0.000 | |
| D=Angle | Vee Depth Male=Auto | |
| E=Top Inner Extension | Vee Depth Female=Auto | |
| F=Bottom Extension | Vee Angle Male=30 | |
| G=Inner Radius | Vee Angle Female=30 | |
| H=Outer Radius | 3 Parts=No | |
| I=Top Outer Extension | 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 | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 764

Rectangular



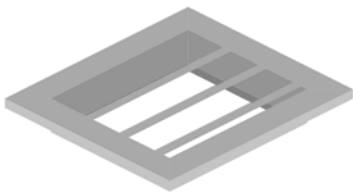
| Dims | Options | Conn's |
|--------------------|----------------------------|---------|
| A=a B=b C=c D=d | Hole=Top | C1=None |
| E=e F=f G=g H=h | Hole=Top | C2=None |
| I=i J=J1 K=J2 L=J3 | Hole=Top | |
| M=K1 N=K2 O=K3 P=l | Number of Holes - Side A=8 | |
| Q=p R=r | Number of Holes - Side L=4 | |
| | 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

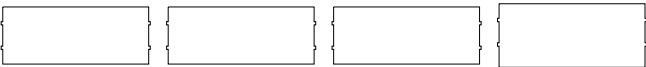
Rectangular



| Dims | | Options | Conn's |
|------|---------|-------------|--------|
| A=b | B=g | Corners=No | |
| 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 | |

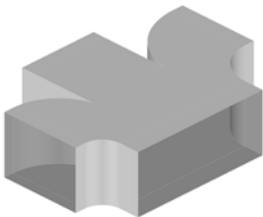
Seams

Damper:



Pattern: 800

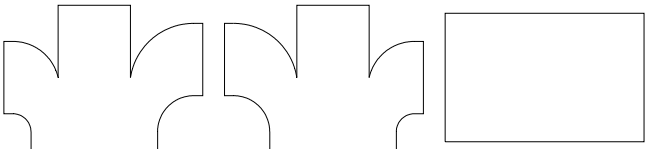
Rectangular



| Dims | | Options | Conn's |
|-----------------------|--|----------------------------|---------|
| A=Btm Width | | Right Throat Type=Radius | C1=None |
| 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 | | | |
| P=Left Extension | | | |
| Q=Top Extension | | | |

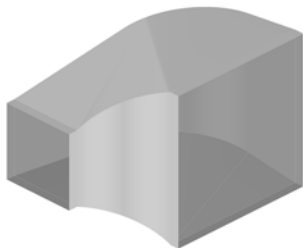
Seams

Damper:



Pattern: 801

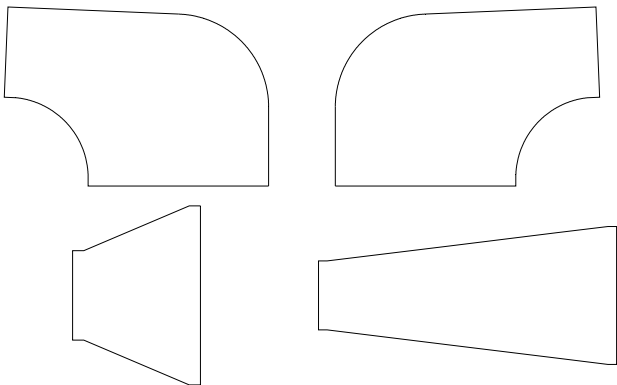
Rectangular



| Dims | Options | Conn's |
|--------------------|-----------------------------|---------|
| A=Btm Width | Throat Type=Radius | C1=None |
| B=Btm Depth | Vee Depth Male=Auto | C2=None |
| 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 | Splitter Slit Angle=10.000 | |
| | Intersect Splitter Holes=No | |

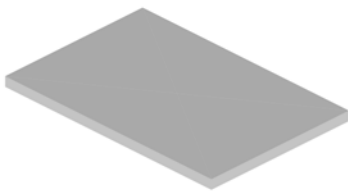
Seams
S1=None

Damper:



Pattern: 802

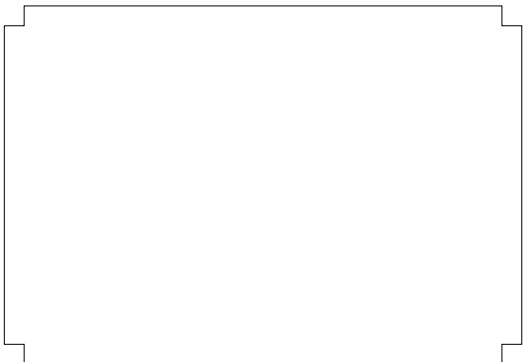
Rectangular



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

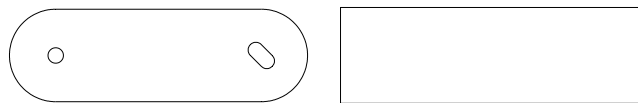
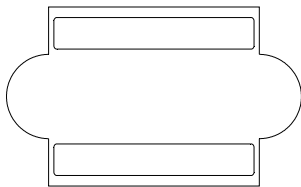
Seams

Damper:



Pattern: 803

Standard



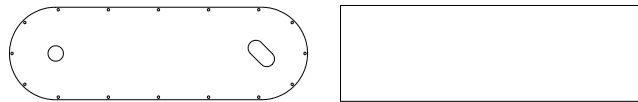
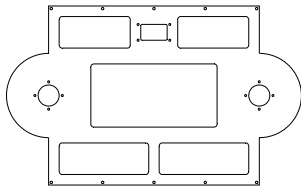
| Dims | Options | Conn's |
|-----------------|----------------------------|--------|
| A=Length | Wrapper Width Adjust=0.080 | |
| B=Radius | Side Holes=Single | |
| C=Depth | Hole Length=4.000 | |
| D=Turnover | Hole Width=0.800 | |
| E=Border | X Distance=0.800 | |
| F=Corner Radius | Y Distance=0.800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

Seams

Damper:

Pattern: 804

Standard



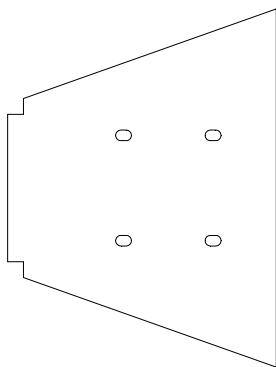
| Dims | Options | Conn's |
|------------------------|----------------------------|--------|
| A=Length | Wrapper Width Adjust=0.080 | |
| B=Radius | Centre Hole=Yes | |
| C=Depth | Side Holes=Yes | |
| D=Turnover | Centre Hole=Yes | |
| E=Border | | |
| F=Corner Radius | | |
| G=Hole Diameter | | |
| 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



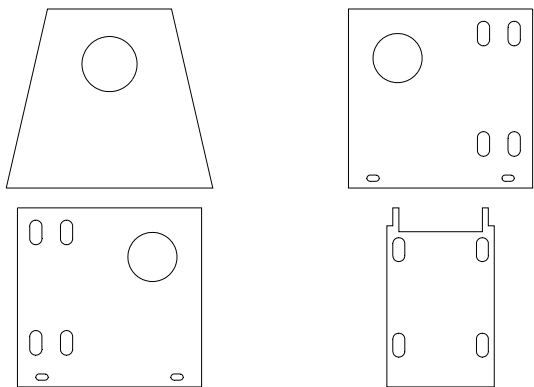
| Dims | Options | Conn's |
|---------------|---------|--------|
| A=Width | | |
| B=Length | | |
| C=Height | | |
| D=Turnover | | |
| E=Y Distance | | |
| F=X Distance | | |
| G=Inset | | |
| H=Hole Length | | |
| I=Hole Width | | |

Seams

Damper:

Pattern: 806

Standard



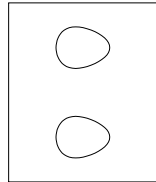
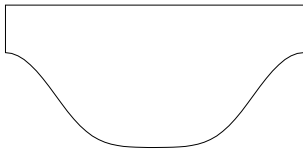
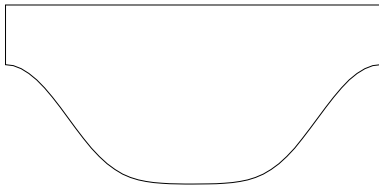
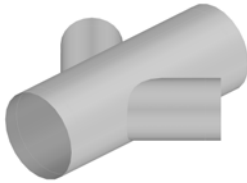
| Dims | Options | Conn's |
|-------------------------|---------------------|--------|
| A=Top Width | Width Adjust=0.000 | |
| B=Btm Width | Side Holes=Yes | |
| C=Height | 3 Parts=Yes | |
| D=Length | Allowance=Thickness | |
| E=Hole Inset | | |
| F=Hole Diameter | | |
| G=Turnover | | |
| H=Hole Spacing | | |
| 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=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 | 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 | Cut Back Allowance (%)=0.000 | |
| Q=Rotation #2 | Use Pipe Seam For Branches=No | |
| R=Extension #2 | Plate Border (Length)=Auto | |
| | End Castle Width=0.000 | |
| | End Castle Angle=30.000 | |

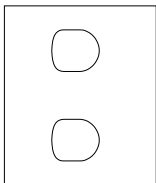
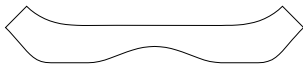
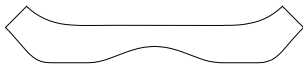
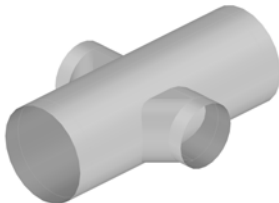
Seams

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=None |
| B=Pipe Length | Branch Parts=1 | C2=None |
| C=Left Extension | Pipe Seam Position=0.000 | C3=None |
| D=Right Extension | Branch Seam Position=Throat | C4=None |
| 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 | | |

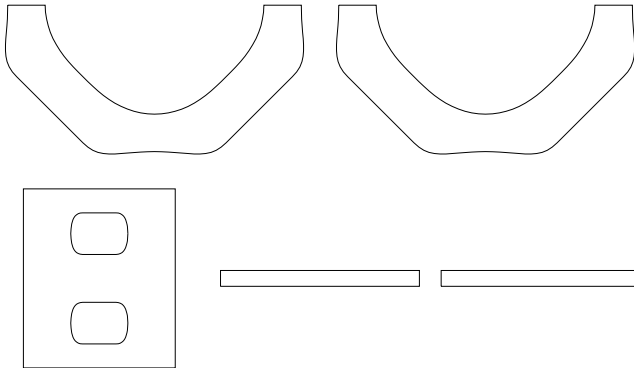
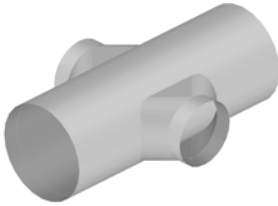
Seams

S1=None
S2=None
S3=None

Damper: None
None

Pattern: 809

Round



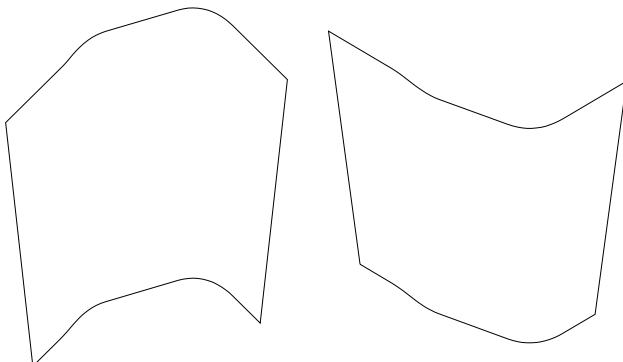
| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Length | Branch Parts=1 | C2=None |
| C=Left Extension | Seam Position=0.000 | C3=None |
| D=Right Extension | Pipe Diameter Type=Nominal | C4=None |
| E=Branch 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



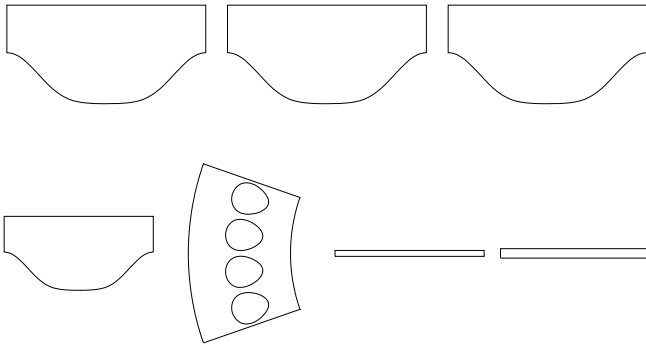
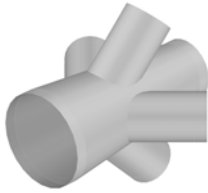
| Dims | Options | Conn's |
|-----------------|---------------|---------|
| A=Width In | Cross Break=2 | C1=None |
| B=Depth In | | C2=None |
| C=Radius In | | |
| D=Width Out | | |
| E=Depth Out | | |
| F=Radius Out | | |
| G=Length | | |
| H=Angle In | | |
| I=Angle Out | | |
| J=Offset Width | | |
| K=Offset Depth | | |
| L=Extension In | | |
| M=Extension Out | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 811

Round



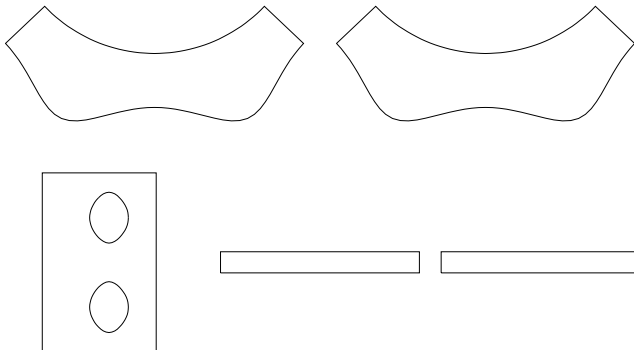
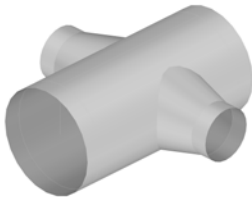
| Dims | Options | Conn's |
|----------------------|---------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Diameter | Branch Parts=1 | C2=None |
| C=Pipe Length | First Break=0.000 | C3=None |
| D=Left Extension | Second Break=0.000 | C4=None |
| E=Right Extension | Third Break=0.000 | C5=None |
| F=Branch Diameter #1 | Seam Position=45.000 | C6=None |
| 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 | Branch Diameter Type=Nominal | |
| M=Branch Diameter #2 | Hole Adjust=0.000 | |
| N=Branch Length #2 | Branch Allowance To Pipe=0.000 | |
| O=Angle #2 | Branch Seam Position=0.000 | |
| P=Inset #2 | Throat Cut Back (Degrees)=0.000 | |
| 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 | | |

Seams

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

Pattern: 812

Round/Fabrication



| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Length | Branch Parts=1 | C2=None |
| C=Left Extension | Seam Position=0.000 | C3=None |
| D=Right Extension | Pipe Diameter Type=Nominal | C4=None |
| 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 | | |

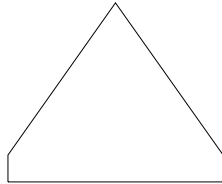
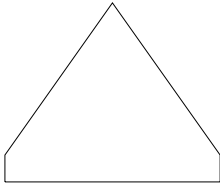
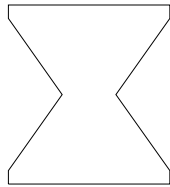
Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 813

Rectangular



| Dims | | Options | Conn's |
|-------------|---------|------------------------|---------|
| A=Length | B=Width | Vee Depth Male=Auto | C1=None |
| C=Height | D=Angle | Vee Depth Female=Auto | |
| E=Extension | | Vee Notch Angle=30.000 | |
| | | Use Vee Notch=No | |
| | | Number Of Parts=3 | |

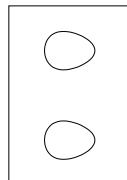
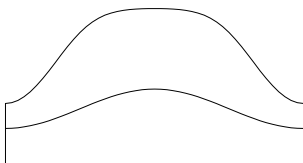
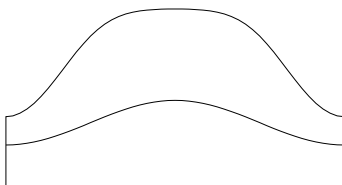
Seams

S1=None

Damper:

Pattern: 814

Round



| 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

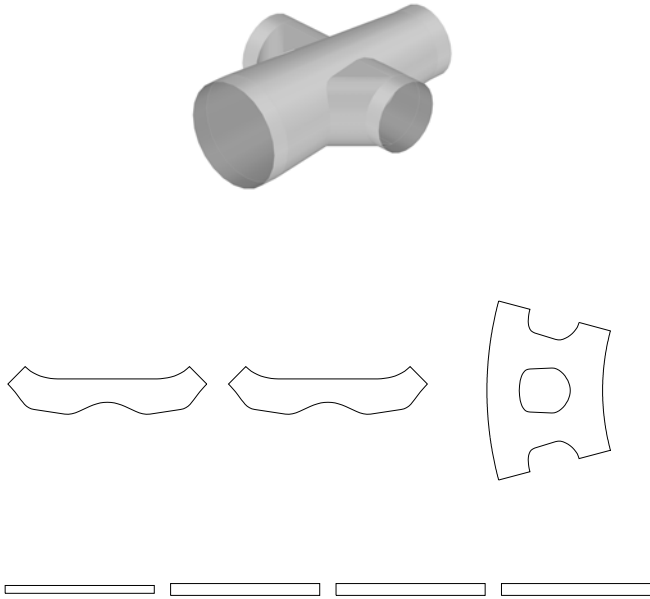
S2=None

S3=None

Damper:

Pattern: 815

Round



| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Diameter | Branch Parts=1 | C2=None |
| C=Pipe Length | Pipe Seam Position=270.000 | C3=None |
| D=Left Collar | Branch Seam Position=Throat | C4=None |
| 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 | | |

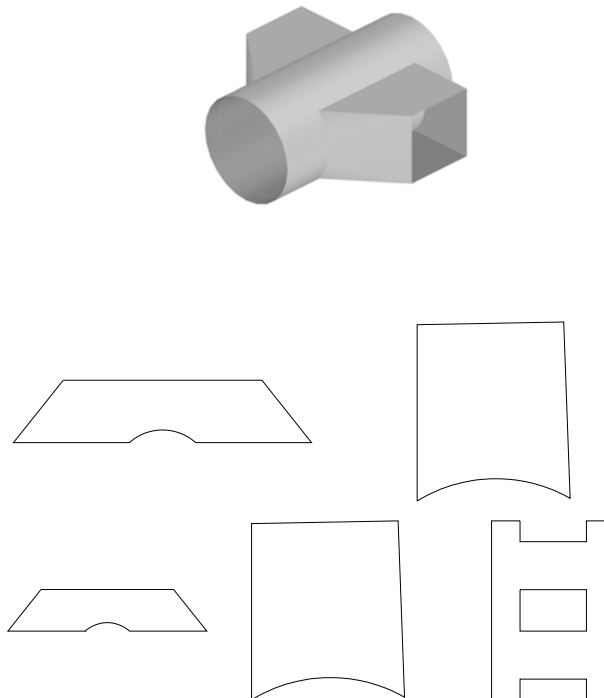
Seams

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=None |
| B=Pipe Length | Round Allowance To Pipe=0.000 | C2=None |
| C=Left Extension | Flat Allowance To Pipe=0.000 | C3=None |
| D=Right Extension | Pipe Parts=1 | C4=None |
| E=Branch Width #1 | Branch Parts=2 | |
| F=Branch Depth #1 | First Break=0.000 | |
| G=Branch Length #1 | Second Break=0.000 | |
| H=Branch Angle #1 | Third Break=0.000 | |
| I=Branch Inset #1 | Pipe Seam Position=270.000 | |
| J=Branch Offset #1 | Hole Adjust=0.000 | |
| K=Branch Rotation #1 | Plate Border=0.000 | |
| L=Branch Extension #1 | Castle Width=0.000 | |
| M=Branch Width #2 | Castle Angle=30.000 | |
| N=Branch Depth #2 | Plate Border (Width)=Auto | |
| O=Branch Length #2 | | |
| P=Branch Angle #2 | | |
| Q=Branch Inset #2 | | |
| R=Branch Offset #2 | | |
| S=Branch Rotation #2 | | |
| T=Branch Extension #2 | | |

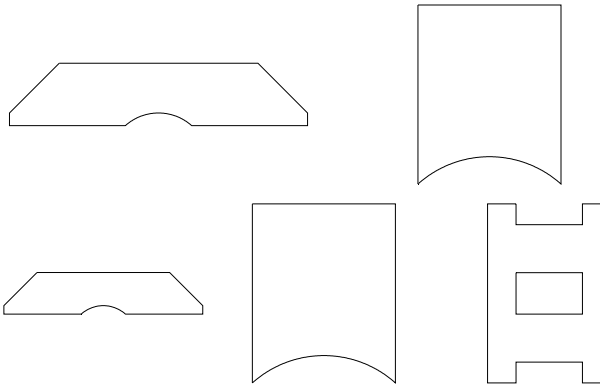
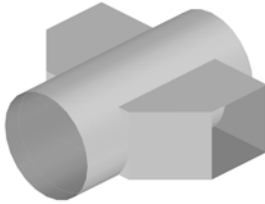
Seams

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=None |
| B=Pipe Length | Round Allowance To Pipe=0.000 | C2=None |
| C=Left Extension | Flat Allowance To Pipe=0.000 | C3=None |
| D=Right Extension | Pipe Parts=1 | C4=None |
| E=Branch Width #1 | Branch Parts=2 | C5=None |
| F=Branch Depth #1 | First Break=0.000 | |
| G=Branch Length #1 | Second Break=0.000 | |
| H=Branch Angle #1 | Third Break=0.000 | |
| I=Branch Inset #1 | Pipe Seam Position=270.000 | |
| J=Branch Offset #1 | Hole Adjust=0.000 | |
| K=Branch Rotation #1 | Plate Border=0.000 | |
| L=Branch Extension #1 | Throat Clearance=0.000 | |
| M=Branch Width #2 | Castle Width=0.000 | |
| N=Branch Depth #2 | Castle Angle=30.000 | |
| O=Branch Length #2 | Plate Border (Width)=Auto | |
| P=Branch Angle #2 | Length Includes Throat Clearance=No | |
| R=Branch Offset #2 | | |
| S=Branch Rotation #2 | | |
| T=Branch Extension #2 | | |
| U=Reducer Diameter | | |
| V=Reducer Length | | |

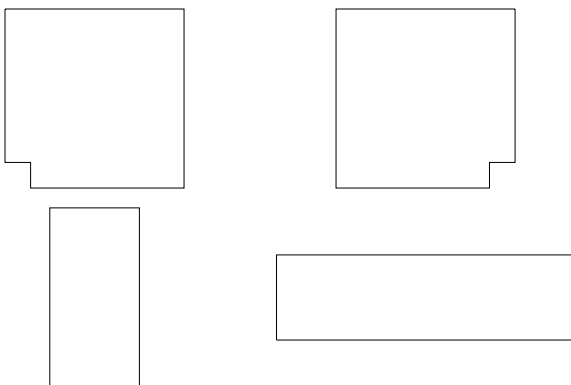
Seams

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=None |
| B=Depth | Length Adjust For Part 3=0.000 | C2=None |
| 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 | |

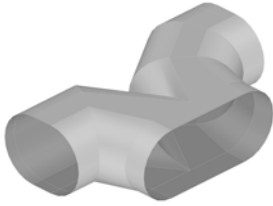
Seams

S1=None

Damper:

Pattern: 820

Round/Flat Oval

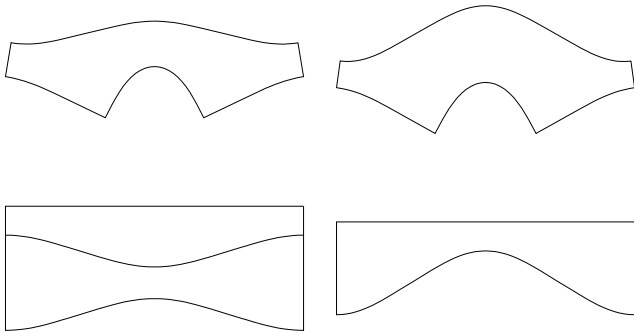


| Dims | Options | Conn's |
|--------------------|------------------------------|---------|
| A=Btm Width | Bottom Diameter Type=Nominal | C1=None |
| B=Btm Depth | Top Diameter Type=Nominal | C2=None |
| C=Right Width | Right Diameter Type=Nominal | C3=None |
| D=Right Depth | Left Diameter Type=Nominal | C4=None |
| E=Left Width | Number Of Segments=2 | C5=None |
| F=Left Depth | Number Of Segments=1 | C6=None |
| 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

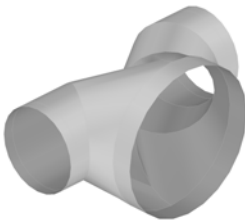
S1=None

Damper:



Pattern: 821

Round

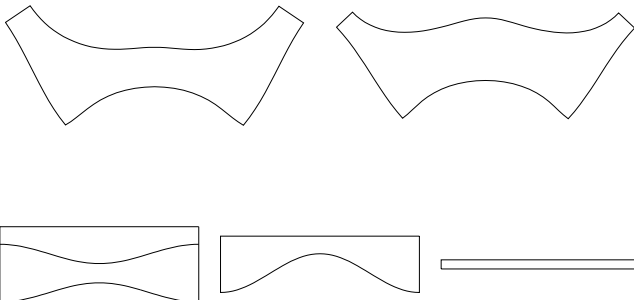


| Dims | Options | Conn's |
|--------------------|------------------------------|---------|
| A=Bottom Diameter | Bottom Diameter Type=Nominal | C1=None |
| B=Right Diameter | Right Diameter Type=Nominal | C2=None |
| C=Left Diameter | Left Diameter Type=Nominal | C3=None |
| D=Right Radius | Number Of Segments=2 | C4=None |
| E=Left Radius | Number Of Segments=1 | C5=None |
| F=Right Angle | Single Segments=No | C6=None |
| G=Left Angle | Marker Type=Notch | |
| H=Bottom Extension | | |
| I=Right Extension | | |
| J=Left Extension | | |

Seams

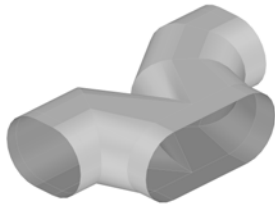
S1=None

Damper:



Pattern: 822

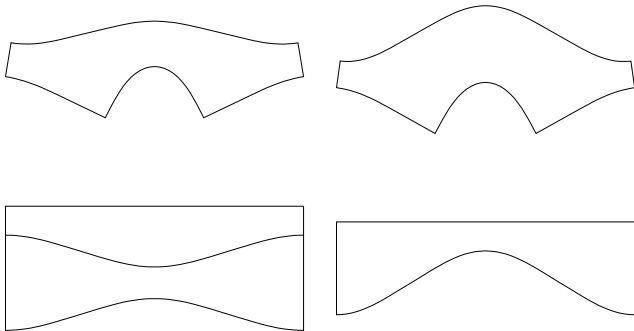
Round/Flat Oval



| Dims | Options | Conn's |
|--------------------|------------------------------|---------|
| A=Btm Width | Bottom Diameter Type=Nominal | C1=None |
| B=Btm Depth | Top Diameter Type=Nominal | C2=None |
| C=Right Width | Right Diameter Type=Nominal | C3=None |
| D=Right Depth | Left Diameter Type=Nominal | C4=None |
| E=Left Width | Number Of Segments=2 | C5=None |
| F=Left Depth | Number Of Segments=1 | C6=None |
| 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 | | |

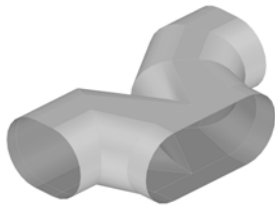
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 823

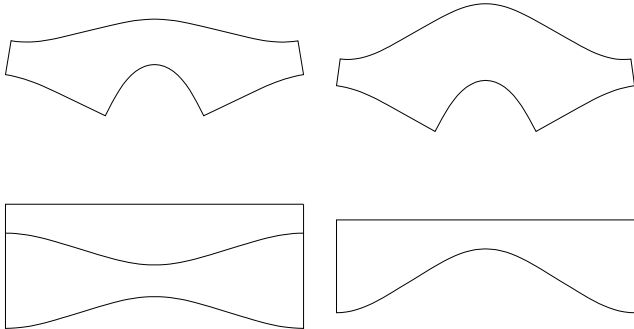
Round/Flat Oval



| Dims | Options | Conn's |
|--------------------|------------------------------|---------|
| A=Btm Width | Bottom Diameter Type=Nominal | C1=None |
| B=Btm Depth | Top Diameter Type=Nominal | C2=None |
| C=Right Width | Right Diameter Type=Nominal | C3=None |
| D=Right Depth | Left Diameter Type=Nominal | C4=None |
| E=Left Width | Number Of Segments=2 | C5=None |
| F=Left Depth | Number Of Segments=1 | C6=None |
| 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 | | |

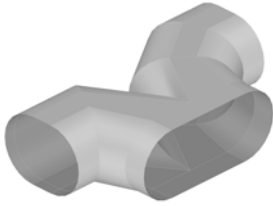
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 824

Round/Flat Oval

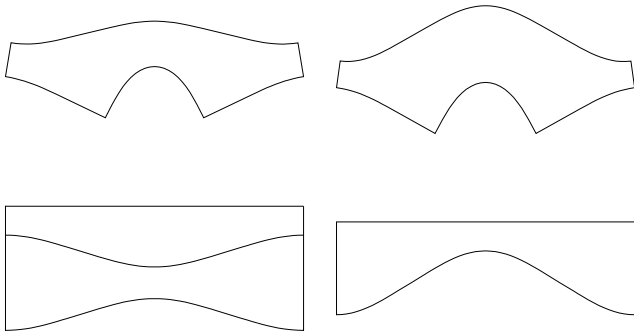


| Dims | Options | Conn's |
|--------------------|------------------------------|---------|
| A=Btm Width | Bottom Diameter Type=Nominal | C1=None |
| B=Btm Depth | Top Diameter Type=Nominal | C2=None |
| C=Right Width | Right Diameter Type=Nominal | C3=None |
| D=Right Depth | Left Diameter Type=Nominal | C4=None |
| E=Left Width | Number Of Segments=2 | C5=None |
| F=Left Depth | Number Of Segments=1 | C6=None |
| 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

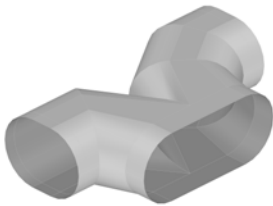
S1=None

Damper:



Pattern: 825

Round/Flat Oval

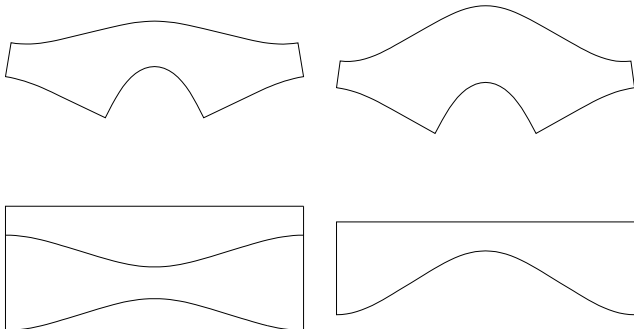


| Dims | Options | Conn's |
|--------------------|------------------------------|---------|
| A=Btm Width | Bottom Diameter Type=Nominal | C1=None |
| B=Btm Depth | Right Diameter Type=Nominal | C2=None |
| C=Right Width | Left Diameter Type=Nominal | C3=None |
| D=Right Depth | Number Of Segments=2 | C4=None |
| E=Left Width | Number Of Segments=1 | C5=None |
| F=Left Depth | Single Segments=No | C6=None |
| 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

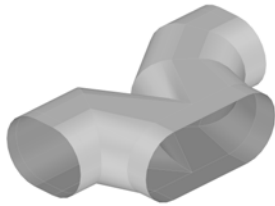
S1=None

Damper:



Pattern: 826

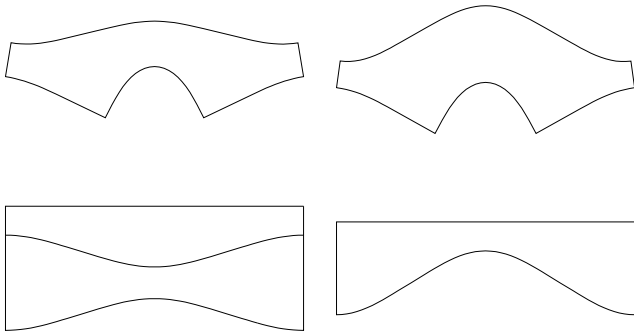
Round/Flat Oval



| Dims | Options | Conn's |
|--------------------|------------------------------|---------|
| A=Btm Width | Bottom Diameter Type=Nominal | C1=None |
| B=Btm Depth | Top Diameter Type=Nominal | C2=None |
| C=Right Width | Right Diameter Type=Nominal | C3=None |
| D=Right Depth | Left Diameter Type=Nominal | C4=None |
| E=Left Width | Number Of Segments=2 | C5=None |
| F=Left Depth | Number Of Segments=1 | C6=None |
| 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 | | |

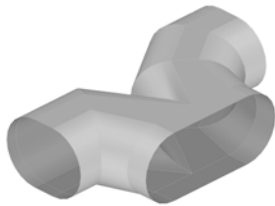
Seams
S1=None

Damper:



Pattern: 827

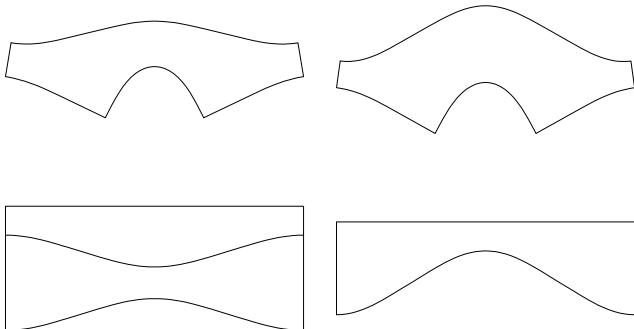
Round/Flat Oval



| Dims | Options | Conn's |
|--------------------|------------------------------|---------|
| A=Btm Width | Bottom Diameter Type=Nominal | C1=None |
| B=Btm Depth | Top Diameter Type=Nominal | C2=None |
| C=Right Width | Right Diameter Type=Nominal | C3=None |
| D=Right Depth | Left Diameter Type=Nominal | C4=None |
| E=Left Width | Number Of Segments=2 | C5=None |
| F=Left Depth | Number Of Segments=1 | C6=None |
| 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 | | |

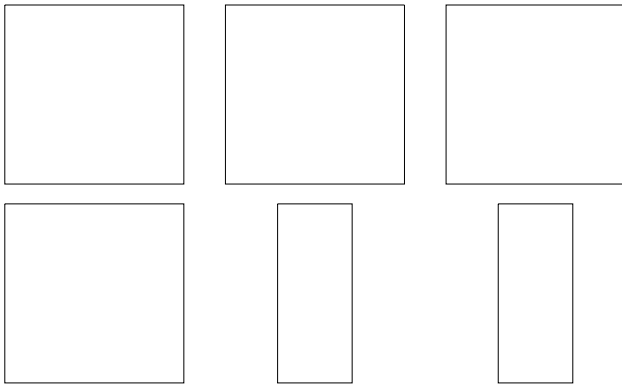
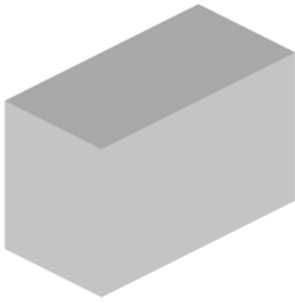
Seams
S1=None

Damper:



Pattern: 828

Rectangular



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

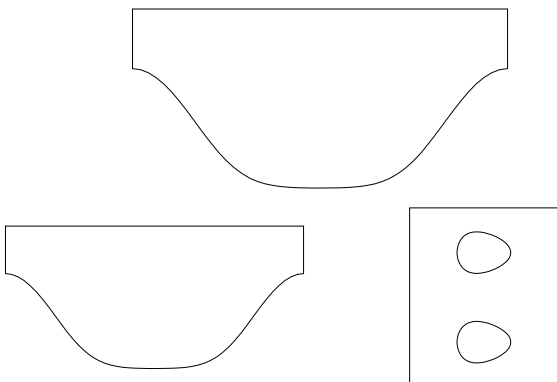
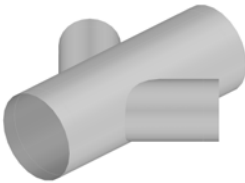
Seams

S1=None
S2=None

Damper:

Pattern: 830

Round



| 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 | 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 | Cut Back Allowance (%)=0.000 | |
| P=Offset #2 | Use Pipe Seam For Branches=No | |
| Q=Rotation #2 | Plate Border (Length)=Auto | |
| R=Extension #2 | End Castle Width =0.000 | |
| S=Branch Diameter #3 | End Castle Angle=30.000 | |
| T=Branch Length #3 | | |
| 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 | | |

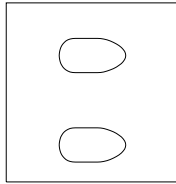
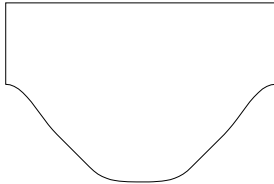
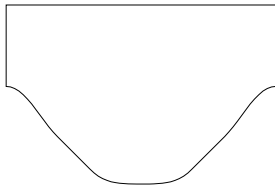
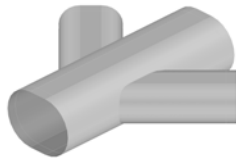
Seams

S1=None
S2=None

Damper: None
None
None

Pattern: 831

Round/Flat Oval



| Dims | Options | Conn's |
|----------------------|--------------------------------|---------|
| A=Width | Pipe Parts=1 | C1=None |
| B=Depth | Branch Parts=1 | C2=None |
| C=Length | Pipe Diameter Type=Nominal | C3=None |
| D=Left Extension | Branch Diameter Type=Nominal | C4=None |
| 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 | | |
| 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 | | |

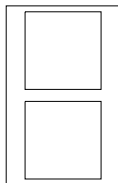
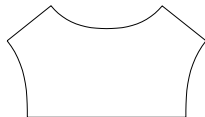
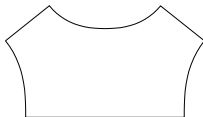
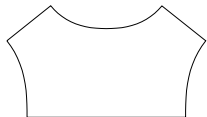
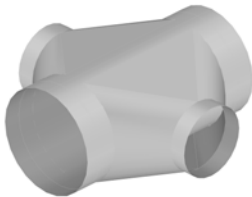
Seams

S1=None
S2=None
S3=None

Damper:

Pattern: 832

Round



| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Branch Diameter Type=Nominal | C2=None |
| C=Left Extension | Branch Diameter Type=Nominal | C3=None |
| 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 | | |

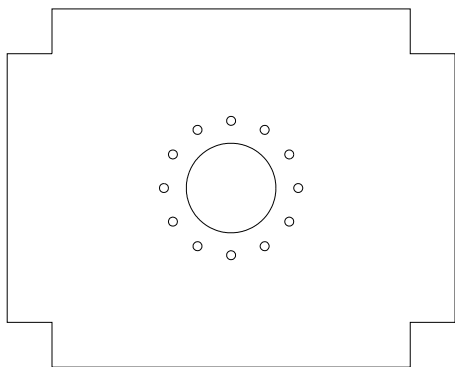
Seams

S1=None
S2=None

Damper:

Pattern: 833

Standard



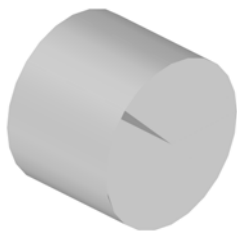
| Dims | Options | Conn's |
|-------------------|------------------------------|--------|
| A=Height | Length Includes Turnover=Yes | |
| B=Width | | |
| C=Diameter | | |
| D=Turnover | | |
| E=Turnover | | |
| F=Fixing Diameter | | |
| G=Hole Diameter | | |
| H=Number Of Holes | | |

Seams

Damper:

Pattern: 834

Rectangular

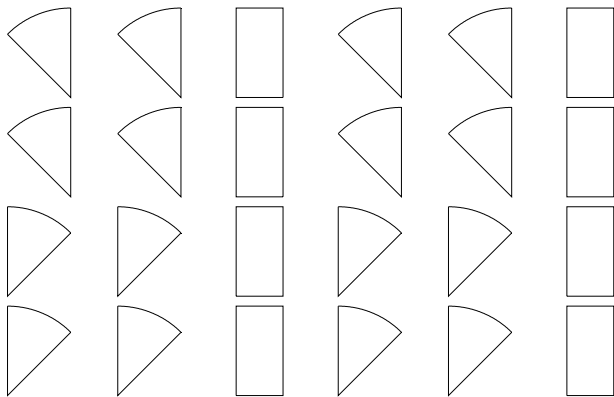


| Dims | Options | Conn's |
|-----------------------|--------------------------|---------|
| A=Radius | Six Parts Left Lap=None | C1=None |
| B=Angle | Six Parts Right Lap=None | C2=None |
| C=Length | Allowance=Left | C3=None |
| D=Front Hole Diameter | | |
| E=Back Hole Diameter | | |
| F=Lid Pipe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

Seams

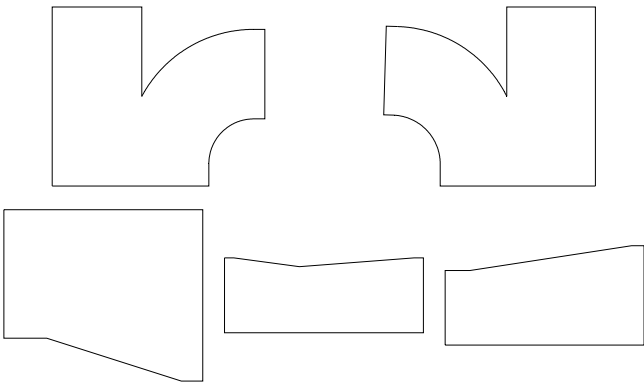
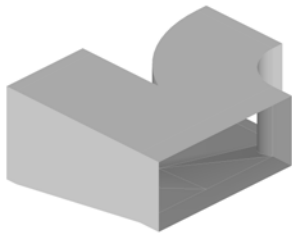
S1=None
S2=None
S3=None
S4=None

Damper:



Pattern: 835

Rectangular



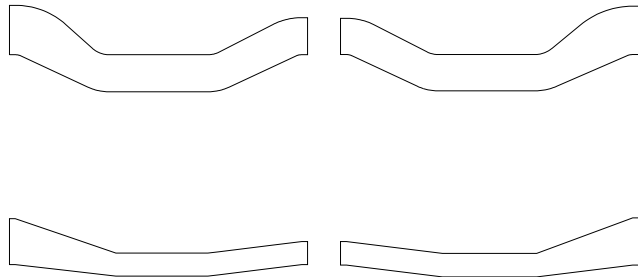
| Dims | Options | Conn's |
|--------------------|----------------------------|---------|
| A=Btm Width | Right Throat Type=Radius | C1=None |
| B=Btm Depth | Vee Depth Male=Auto | C2=None |
| C=Top Width | Vee Depth Female=Auto | C3=None |
| D=Top Depth | Vee Angle Male=30 | |
| E=Right Width | Vee 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 | Right Folds=End Point | |
| J=Right Height | Inlet=1 | |
| K=Right Radius | Outlet=2 | |
| L=Right Angle | Top Right=Straight | |
| M=Bottom Extension | | |
| N=Right Extension | | |
| O=Top Inset | | |
| P=Top Extension | | |

Seams
S1=None

Damper:

Pattern: 836

Rectangular



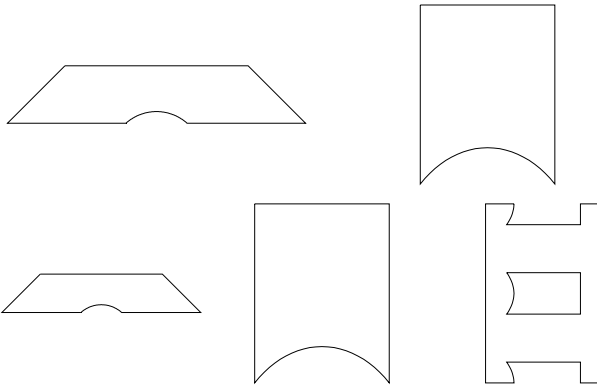
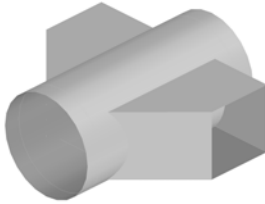
| Dims | Options | Conn's |
|-----------------------|-----------------------------|---------|
| A=Left Width | Vee Depth Male=Auto | C1=None |
| B=Left Depth | Vee Depth Female=Auto | C2=None |
| C=Right Width | Vee Angle Male=30 | |
| D=Right Depth | Vee Angle Female=30 | |
| E=Centre Width | Left Offset 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=None |
| B=Pipe Length | Round Allowance To Pipe=0.000 | C2=None |
| C=Left Extension | Flat Allowance To Pipe=0.000 | C3=None |
| D=Right Extension | Pipe Parts=1 | C4=None |
| E=Branch Width #1 | Branch Parts=2 | |
| F=Branch Depth #1 | First Break=0.000 | |
| G=Branch Length #1 | Second Break=0.000 | |
| H=Branch Angle #1 | Third Break=0.000 | |
| I=Branch Inset #1 | Pipe Seam Position=270.000 | |
| J=Branch Offset #1 | Hole Adjust=0.000 | |
| K=Branch Rotation #1 | Plate Border=0.000 | |
| L=Branch Extension #1 | Castle Width=0.000 | |
| M=Branch Width #2 | Castle Angle=30.000 | |
| N=Branch Depth #2 | Plate Border (Width)=Auto | |
| O=Branch Length #2 | | |
| P=Branch Angle #2 | | |
| Q=Branch Inset #2 | | |
| R=Branch Offset #2 | | |
| S=Branch Rotation #2 | | |
| T=Branch Extension #2 | | |

Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 838

Round/Standard/Equipment



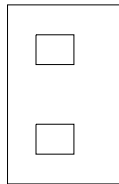
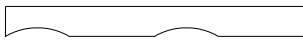
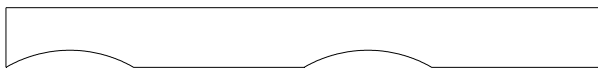
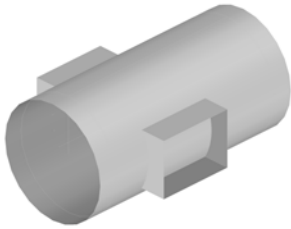
| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Diameter | Type=Profiled Bearer | C1=None |
| B=Bearer Extn | Profile=Round | C2=None |
| C=Left Angle | Pipework=No | C3=None |
| D=Right Angle | Number Of Round Sections=Auto | |
| E=Rod Extn Above | Drop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

Seams

Damper:

Pattern: 839

Round



| Dims | Options | Conn's |
|--------------------|-------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Round Allowance To Pipe=0.000 | C2=None |
| C=Left Extension | Flat Allowance To Pipe=0.000 | C3=None |
| D=Right Extension | Pipe Parts=1 | C4=None |
| E=Branch Width | Branch Parts=1 | C5=None |
| 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 | | |

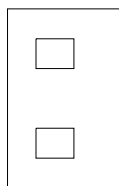
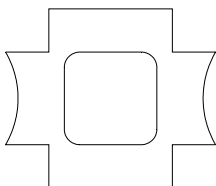
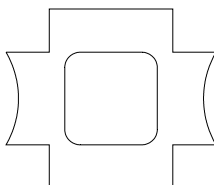
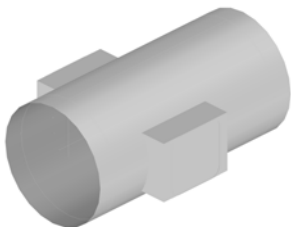
Seams

S1=None
S2=None

Damper:

Pattern: 840

Round



| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Round Allowance To Pipe=0.000 | C2=None |
| C=Left Extension | Flat Allowance To Pipe=0.000 | C3=None |
| D=Right Extension | Pipe Parts=1 | C4=None |
| 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 | | |

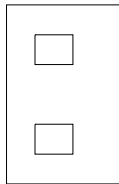
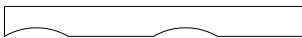
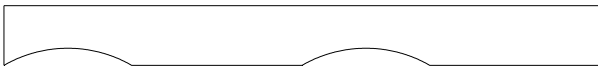
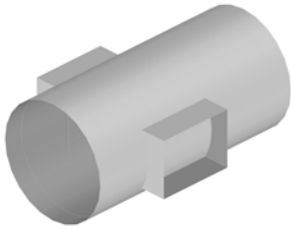
Seams

S1=None
S2=None
S3=None

Damper:

Pattern: 841

Round



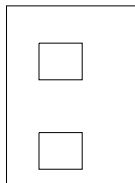
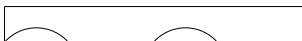
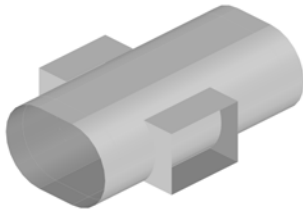
| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Round Allowance To Pipe=0.000 | C2=None |
| C=Left Extension | Flat Allowance To Pipe=0.000 | C3=None |
| D=Right Extension | Pipe Parts=1 | C4=None |
| 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



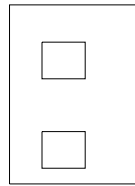
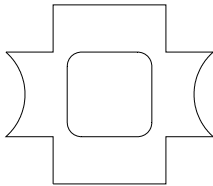
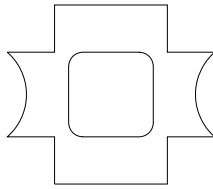
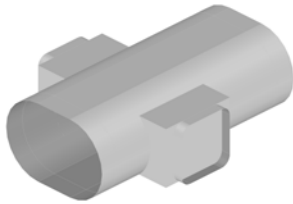
| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Major Axis | Pipe Diameter Type=Nominal | C1=None |
| B=Minor Axis | Round Allowance To Pipe=0.000 | C2=None |
| C=Pipe Length | Flat Allowance To Pipe=0.000 | C3=None |
| D=Left Extension | Pipe Parts=1 | C4=None |
| 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=None |
| S2=None |

Damper:

Pattern: 843

Flat Oval



| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Major Axis | Pipe Diameter Type=Nominal | C1=None |
| B=Minor Axis | Round Allowance To Pipe=0.000 | C2=None |
| 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 | | |

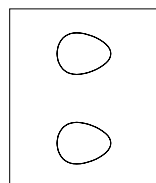
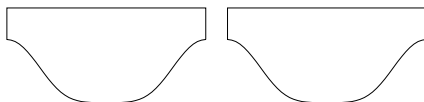
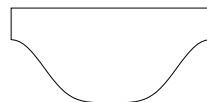
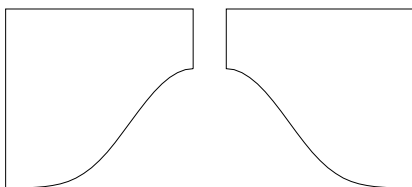
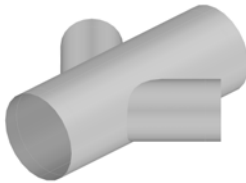
Seams

S1=None
S2=None

Damper:

Pattern: 844

Flat Oval



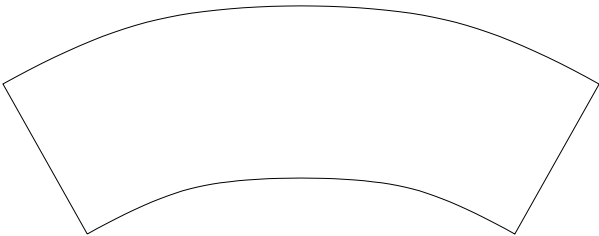
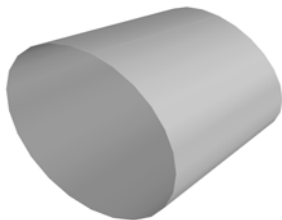
| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Major Axis | Pipe Parts=1 | C1=None |
| B=Minor Axis | Pipe Seam Position=0.000 | C2=None |
| C=Pipe Length | Pipe Diameter Type=Nominal | C3=None |
| D=Left Extension | Hole Adjust=0.000 | C4=None |
| E=Right Extension | Branch Allowance To Pipe=0.000 | C5=None |
| F=Branch Width #1 | Branch Type=Straight Branch | C6=None |
| 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 | | |
| W=Branch Depth #3 | | |
| X=Branch Length #3 | | |
| Y=Angle #3 | | |
| Z=Inset #3 | | |
| a=Offset #3 | | |
| b=Rotation #3 | | |

Seams

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

Pattern: 845

Round



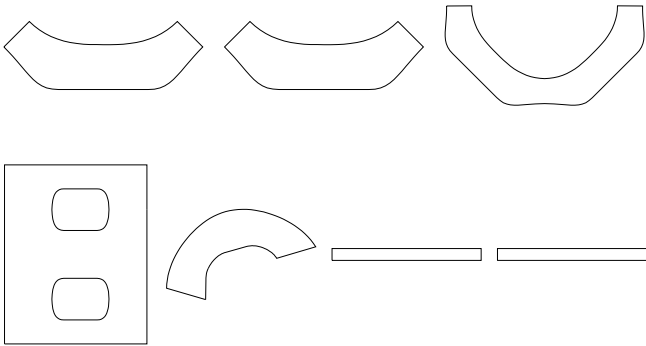
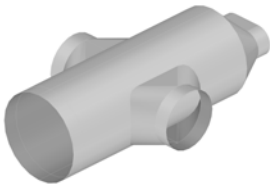
| Dims | Options | Conn's |
|---------------|---------------------|--------|
| A=Left Width | Cross Break=1 | |
| B=Left Depth | Seam Position=0.000 | |
| C=Right Width | | |
| D=Right Depth | | |
| E=Length | | |
| F=Offset | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 846

Flat Oval



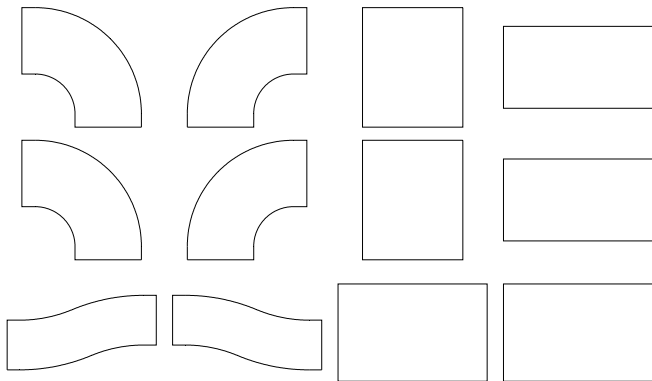
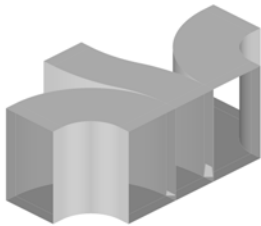
| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Major Axis | Pipe Parts=1 | C1=None |
| B=Minor Axis | Pipe Seam Position=0.000 | C2=None |
| C=Pipe Length | Pipe Diameter Type=Nominal | C3=None |
| D=Left Extension | Hole Adjust=0.000 | C4=None |
| E=Right Extension | Branch Allowance To Pipe=0.000 | C5=None |
| 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=None |
| S2=None |
| S3=None |

Damper:

Pattern: 847

Rectangular



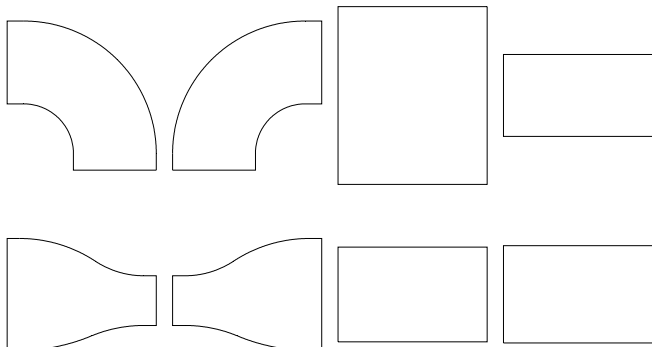
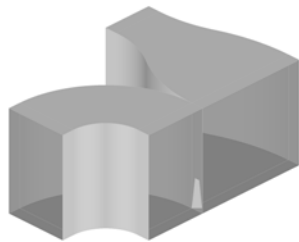
| Dims | Options | Conn's |
|-----------------------|-------------------------------------------|---------|
| A=Btm Width | Right Throat Type=Radius | C1=None |
| B=Btm Depth | Left Throat Type=Radius | C2=None |
| C=Btm Left Width | Vee Depth Male=Auto | C3=None |
| D=Btm Right Width | Vee Depth Female=Auto | C4=None |
| E=Top Width | Vee Angle Male=30 | C5=None |
| 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=None

Damper:

Pattern: 848

Rectangular



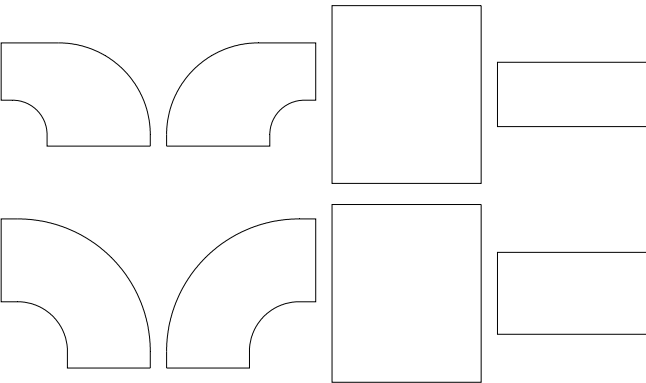
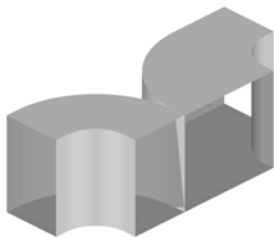
| Dims | Options | Conn's |
|-----------------------|-------------------------------------------|---------|
| A=Btm Width | Left Throat Type=Radius | C1=None |
| B=Btm Depth | Vee Depth Male=Auto | C2=None |
| C=Btm Left Width | Vee Depth Female=Auto | C3=None |
| D=Top Width | Vee Angle Male=30 | C4=None |
| 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=None

Damper:

Pattern: 849

Rectangular



| Dims | Options | Conn's |
|-----------------------|-------------------------------------------|---------|
| A=Btm Width | Right Throat Type=Radius | C1=None |
| B=Btm Depth | Left Throat Type=Radius | C2=None |
| C=Btm Left Width | Vee Depth Male=Auto | C3=None |
| D=Right Width | Vee Depth Female=Auto | C4=None |
| 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 | | |

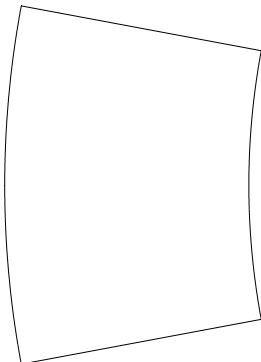
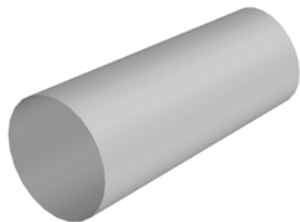
Seams

S1=None

Damper:

Pattern: 850

Round/Fabrication



| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Left Diameter | Diameter Type BE=Nominal | C1=None |
| B=Right Diameter | Diameter Type SE=Nominal | C2=None |
| C=Pipe Length | Cross Break=1 | |
| D=Left Extension | Seam Position=0.000 | |
| E=Right Extension | Shoe Branch Lengths CLine=Yes | |
| F=Offset Width | Length Break=1 | |
| G=Offset Depth | | |

Seams

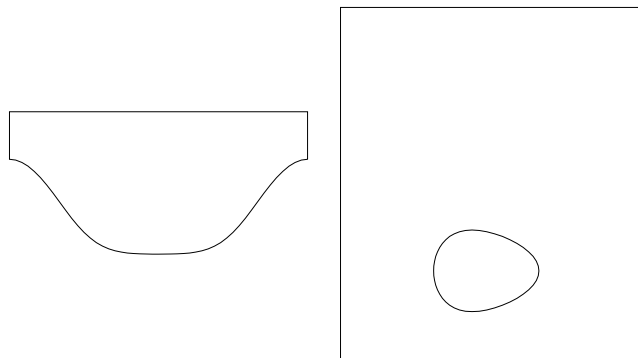
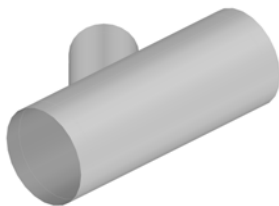
S1=None

S2=None

Damper:

Pattern: 851

Round



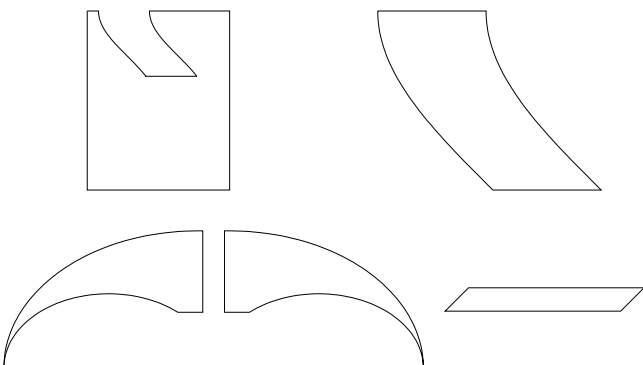
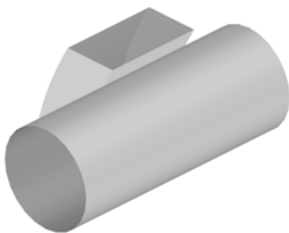
| Dims | Options | Conn's |
|----------------------|------------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Length | Branch Parts=1 | C2=None |
| C=Left Extension | First Break=0.000 | C3=None |
| D=Right Extension | Second Break=0.000 | |
| E=Branch Diameter #1 | Third Break=0.000 | |
| F=Branch Length #1 | 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 | |
| | 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

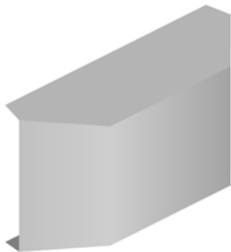


| Dims | Options | Conn's |
|-----------------|----------|---------|
| A=Pipe Diameter | Inlet=1 | C1=None |
| B=Angle | Outlet=2 | C2=None |
| C=Pipe Length | | C3=None |
| D=Inset | | |
| E=Branch Height | | |
| F=Branch Depth | | |
| G=Branch Width | | |
| H=Branch Gauge | | |
| I=Extension | | |

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

Pattern: 853

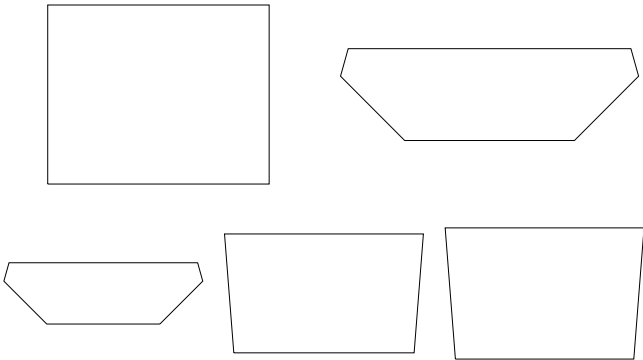
Rectangular



| 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 | | |

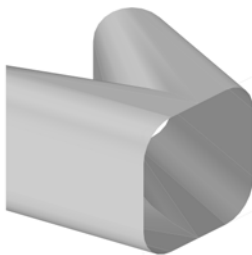
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 854

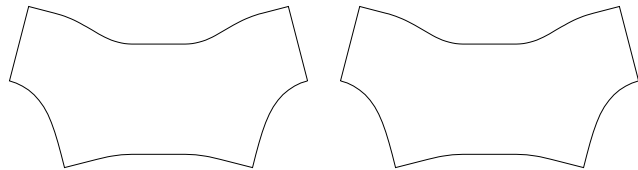
Rectangular/Round/Flat Oval



| Dims | Options | Conn's |
|----------------------|------------------------------|---------|
| A=Btm Width | Bottom Diameter Type=Nominal | C1=None |
| B=Btm Depth | Left Diameter Type=Nominal | C2=None |
| C=Bottom Radius | Right Diameter Type=Nominal | C3=None |
| D=Left Width | Seam Position=Top | C4=None |
| 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 | | |

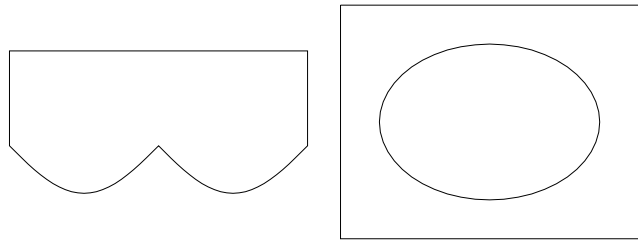
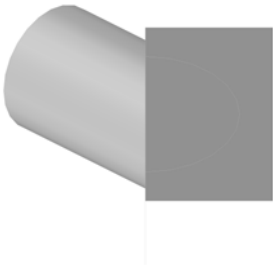
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 855

Round



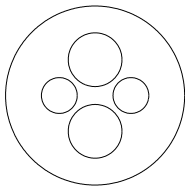
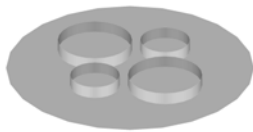
| Dims | Options | Conn's |
|-------------------|-----------------------|--------|
| A=Branch Diameter | Seam Position=0.000 | |
| B=Length | Hole Adjust=0.000 | |
| C=Angle | Diameter Type=Nominal | |
| D=Plate Border | Turnover=0.000 | |

Seams
S1=None

Damper:

Pattern: 856

Round



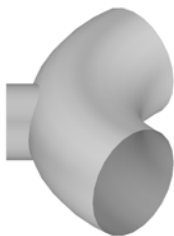
| Dims | Options | Conn's |
|-----------------|-----------------------|---------|
| A=Diameter | Diameter Type=Nominal | C1=None |
| B=Collar | Hole Type=Nominal | C2=None |
| C=Hole Diameter | | C3=None |
| D=Hole Angle | | C4=None |
| E=Fixing Radius | | C5=None |
| F=Collar | | |
| G=Hole Diameter | | |
| 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

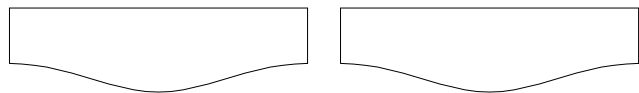
Round



| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| 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 | | |

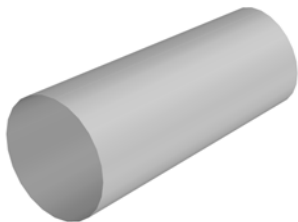
Seams
S1=None

Damper: None



Pattern: 858

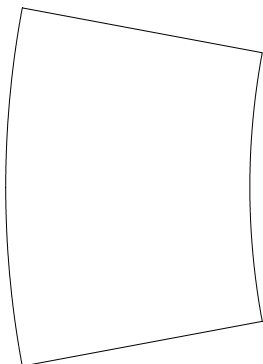
Round



| Dims | Options | Conn's |
|-------------------|--------------------------|---------|
| A=Pipe Diameter | Diameter Type BE=Nominal | C1=None |
| B=Pipe Diameter | Diameter Type SE=Nominal | C2=None |
| C=Pipe Length | Cross Break=1 | |
| D=Left Extension | Seam Position=0.000 | |
| E=Right Extension | Hole Inset=Along Slope | |
| | Hole Inset=Hole Centre | |

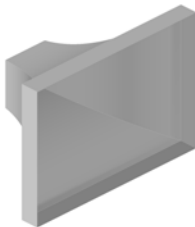
Seams
S1=None

Damper:

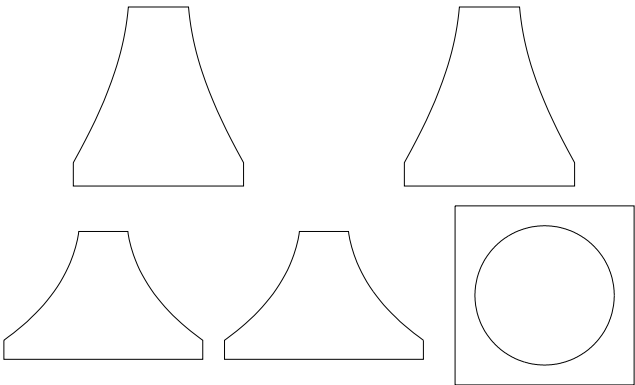


Pattern: 859

Rectangular



| Dims | Options | Conn's |
|--------------------|---------|---------|
| A=Btm Width | | C1=None |
| 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 | | |



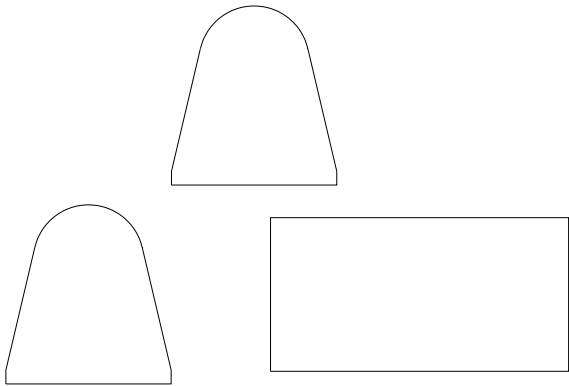
Damper:

Pattern: 860

Rectangular



| Dims | Options | Conn's |
|--------------------|-----------------------|---------|
| A=Width | Vee Depth Male=Auto | C1=None |
| B=Depth | Vee Depth Female=Auto | |
| C=Height | Vee Angle Male=30 | |
| D=Top Radius | Vee Angle Female=30 | |
| E=Bottom Extension | | |

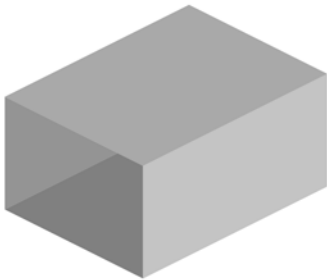


Seams
S1=None

Damper:

Pattern: 861

Rectangular/Standard



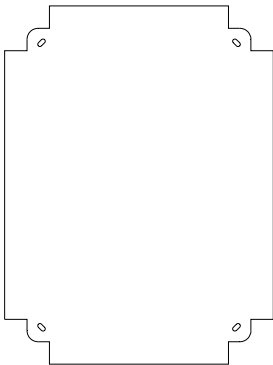
| Dims | | Options | Conn's |
|----------|---------|----------------------------|---------|
| A=Width | B=Depth | Type=1 Part Straight | C1=None |
| C=Length | | Notch Angle For Lid=45.000 | |
| | | Lid Adjust=0.000 | |
| | | Cost Supports=No | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 862

Rectangular



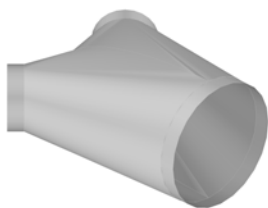
| Dims | | Options | Conn's |
|-----------------|--|--------------------------|---------|
| A=Width | | Correct Hole Sizes=No | C1=None |
| B=Depth | | Dynamic Hole Adjust=Auto | C2=None |
| C=Flange | | | |
| D=Turnover | | | |
| E=Corner Radius | | | |
| F=Hole Diameter | | | |
| G=Hole Length | |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

| Seams |
|-------|
|-------|

Damper:

Pattern: 863

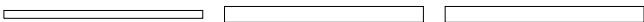
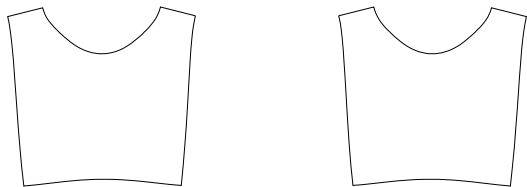
Round/Fabrication



| Dims | Options | Conn's |
|-------------------|------------------------------|---------|
| A=Bottom Diameter | Bottom Diameter Type=Nominal | C1=None |
| B=Top Diameter | Left Diameter Type=Nominal | C2=None |
| C=Angle | Right Diameter Type=Nominal | C3=None |
| D=Centre Length | Seam Position=Top | C4=None |
| E=Btm Length | Marker Type=Notch | |
| F=Bottom Collar | | |
| G=Left Collar | | |
| H=Right Collar | | |

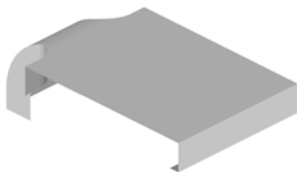
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 864

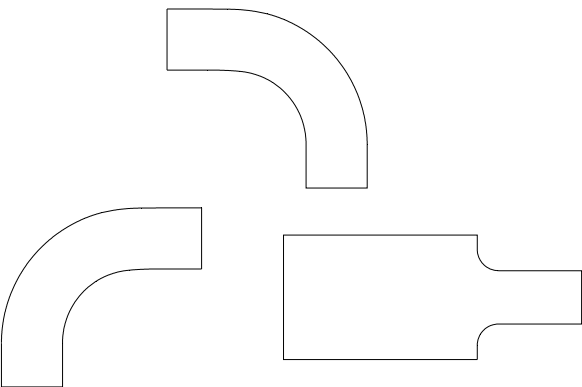
Rectangular



| 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 | | |

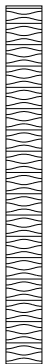
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 865

Round



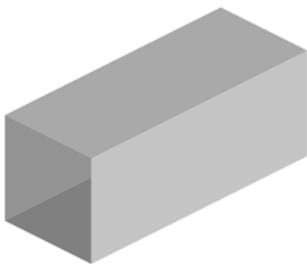
| Dims | Options | Conn's |
|--------------------|-----------------------|---------|
| A=Diameter | Number Of Segments=4 | C1=None |
| B=Inner Radius | Diameter Type=Nominal | C2=None |
| C=Angle | Type=Normal | C3=None |
| D=Bottom Extension | Pipe Length=500.000 | |
| E=Top Extension | Cut Length=0.000 | |
| | Cut Length=0.000 | |
| | Cut Length=0.000 | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 866

Rectangular



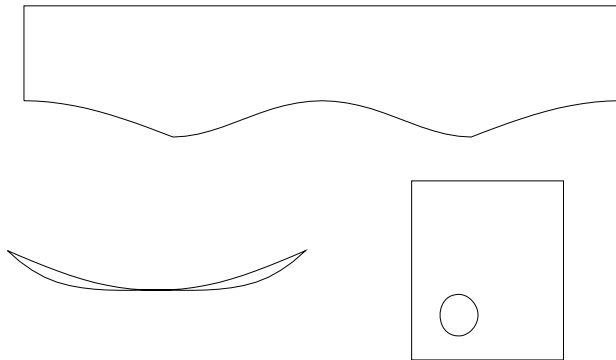
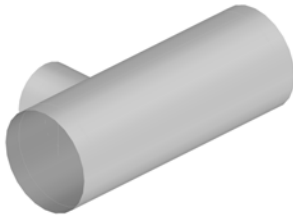
| Dims | Options | Conn's |
|----------|-------------------------------------|---------|
| A=Width | Connector Fold Notch=Use Default | C1=None |
| B=Depth | Vee Notch Depth=Auto | C2=None |
| C=Length | Vee Notch Angle=30.000 | |
| | Override=None | |
| | Connector Fold Notch=Use Default | |
| | Vee 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=None |
| S2=None |

Damper:

Pattern: 867

Round



| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Branch Diameter Type=Nominal | C2=None |
| C=Left Extension | Pipe Parts=1 | C3=None |
| 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 | |

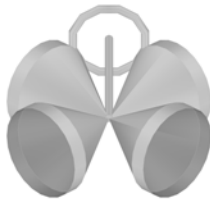
Seams

S1=None
S2=None
S3=None

Damper:

Pattern: 868

Pipework/Equipment



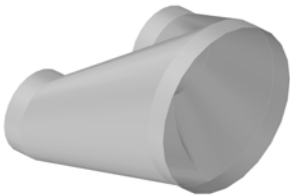
| Dims | Options | Conn's |
|---------------------|----------------------------|---------|
| A=Diameter #1 | Type=Normal | C1=None |
| B=Diameter #2 | Type=Normal | C2=None |
| C=Diameter #3 | Type=Normal | C3=None |
| D=Diameter #4 | Type=Normal | C4=None |
| E=Length #1 | Type=Normal | |
| F=Length #2 | Nut Length=0.000 | |
| G=Length #3 | Nut Thickness=0.000 | |
| H=Length #4 | Nut Sides=0 | |
| I=Shaft Length #1 | Nut Back Fillet=0.000 | |
| J=Handle Diameter | Nut Front Fillet=0.000 | |
| K=Shaft Diameter #1 | Handle Inline with Body=No | |
| L=Handle Angle | Handle Type=Round | |
| M=Number Of Struts | Handle Rotation=0.000 | |
| N=Strut Diameter | Draw Globe as Disc=No | |
| O=Collar #1 | Rotate Bottom Forward=No | |
| P=Collar #2 | Flex Size=0.000 | |
| Q=Collar #3 | Flex Thickness=0.000 | |
| R=Collar #4 | Flex Gaps=0.000 | |
| S=Handle Length | Flex Length=0.000 | |
| T=Globe X Diameter | End Plate Offset=0.000 | |
| U=Globe Y Diameter | End Plate Length=0.000 | |
| V=Box Width | End Pin Width=0.000 | |
| W=Box Depth | End Pin Offset=0.000 | |
| X=Box Height | End Pin Extension=0.000 | |
| Y=Shaft Diameter #2 | End Pin Depth=0.000 | |
| Z=Shaft Diameter #3 | End Pins Triangular=No | |
| a=Shaft Length #2 | Inlet=1 | |
| b=Shaft Length #3 | Outlet=2 | |

Seams

Damper:

Pattern: 869

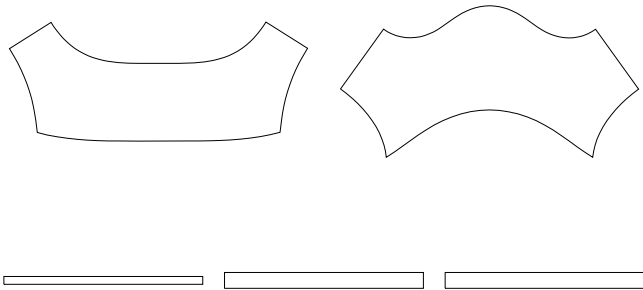
Round



| Dims | Options | Conn's |
|----------------------|------------------------------|---------|
| A=Bottom Diameter | Bottom Diameter Type=Nominal | C1=None |
| B=Left Diameter | Left Diameter Type=Nominal | C2=None |
| C=Right Diameter | Right Diameter Type=Nominal | C3=None |
| D=Height | Seam Position=Top | C4=None |
| 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 | | |

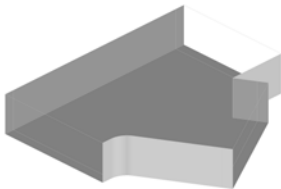
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 870

Electrical/Equipment



| Dims | Options | Conn's |
|--------------------|--------------------|---------|
| A=Left Width | Type=Tray | C1=None |
| B=Depth | Throat Type=Radius | C2=None |
| C=Right Width | Riser Type=Outside | C3=None |
| D=Branch Width | Pattern=No | |
| E=Length | Type=Left | |
| F=Branch Length | Inlet=1 | |
| G=Left Extension | Outlet=2 | |
| H=Right Extension | Riser=No | |
| I=Branch Extension | | |
| J=Inner Radius | | |
| K=Angle | | |
| L=Inset | | |
| M=Offset | | |

| Seams |
|-------|
|-------|

Damper:

Pattern: 871

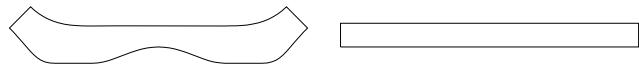
Round



| 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=None |
| 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 | |

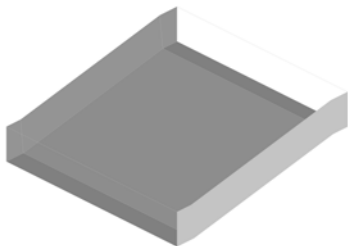
| Seams |
|---------|
| S1=None |
| S2=None |

Damper: None



Pattern: 872

Electrical/Equipment



| 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/Equipment



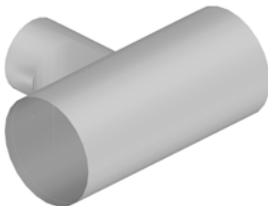
| Dims | Options | Conn's |
|---------------------------|-----------------------------|---------|
| A=Diameter | Spacing=50.000 | C1=None |
| B=Length | Diameter Ratio=1.100 | C2=None |
| C=Item Centre Line Length | Max Length=0.000 | |
| | Draw as Single Line=No | |
| | Number Of Round Sections=12 |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

Seams

Damper:

Pattern: 874

Round

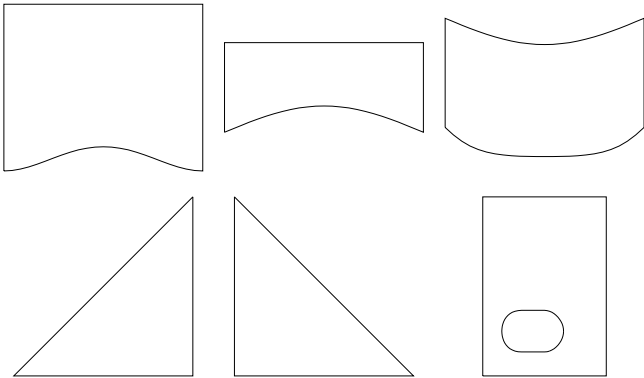


| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Branch Diameter Type=Nominal | C2=None |
| C=Left Extension | Pipe Parts=1 | C3=None |
| D=Right Extension | Seam Position=0.000 | |
| 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 | |

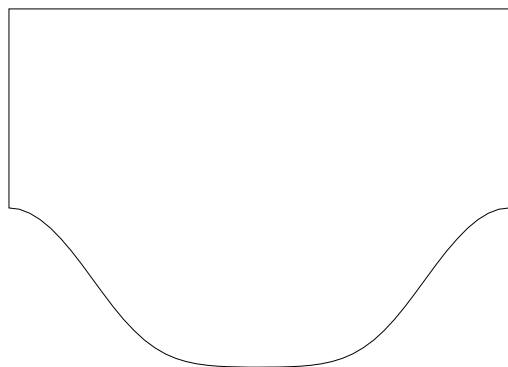
Seams

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

Damper:

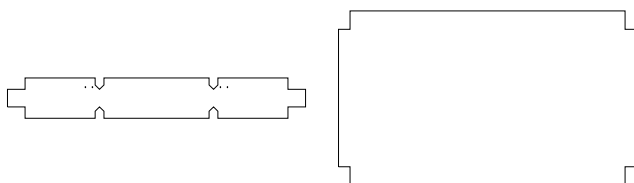


Round



| 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=None |
| D=Angle #1 | Third Break=0.000 | |
| E=Offset #1 | Branch Diameter Type=Nominal | |
| F=Extension #1 | 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 | |
| | Cut Back Allowance (%)=0.000 | S1=None |
| | Use Pipe Seam For Branches=No | S2=None |
| | Plate Border (Length)=Auto | |
| | End Castle Width =0.000 | |
| | End Castle Angle=30.000 | |
| | Draw Plate=No | Damper: None |
| | Align Damper Holes=No | None |
| | | None |

Rectangular



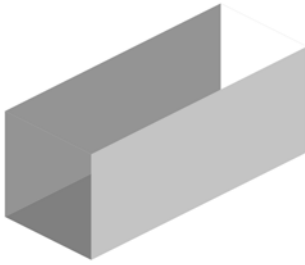
| Dims | Options | Conn's |
|------------------------|------------|--------|
| A=Width | 3 Parts=No | |
| B=Depth | | |
| C=Length | | |
| D=Top | | |
| E=Border | | |
| F=Extension | | |
| G=Fixing Hole Diameter | | |
| H=Hole Inset | | |
| I=Hole Spacing | | |

Seams

Damper:

Pattern: 877

Electrical/Equipment



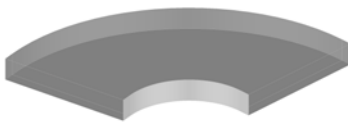
| Dims | Options | Conn's |
|------------------|-------------------|---------|
| A=Width | Type=Tray | C1=None |
| B=Depth | Pattern=No | C2=None |
| C=Length | X Size=0.000 | |
| D=Rail Width | Y Size=0.000 | |
| E=Rung Width | Base Depth=0.000 | |
| F=Rung Depth | Use Spacing=No | |
| G=Rung Height | 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/Equipment



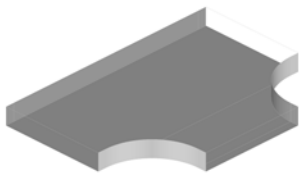
| Dims | Options | Conn's |
|--------------------|--------------------|---------|
| A=Width | Rungs=3 | C1=None |
| B=Depth | Type=Tray | C2=None |
| C=Angle | Throat Type=Radius | C3=None |
| D=Inner Radius | Heel Type=Radius | |
| E=Extension | Base Depth=0.000 | |
| F=Rail Width | Use Spacing=No | |
| 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 | X Size=0.000 | |
| M=Wire Y Spacing | Y Size=0.000 | |
| N=Bottom Extension | | |

Seams

Damper:

Pattern: 879

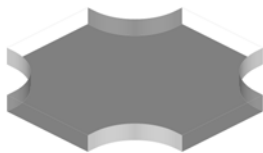
Electrical/Equipment



| 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 | C4=None |
| 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 | Oversized Item=No | |
| J=Rung Inset | | |
| K=Wire Diameter | | Seams |
| L=Wire X Spacing | | |
| M=Wire Y Spacing | | |
| N=Bottom Extension | | |
| O=Left Extension | | |
| P=Branch Wire Spacing | | Damper: |

Pattern: 880

Electrical/Equipment

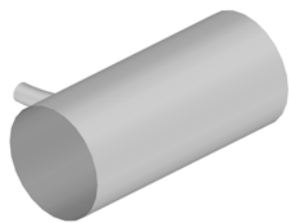


| Dims | Options | Conn's |
|------------------|--------------------|---------|
| A=Width | Throat Type=Radius | C1=None |
| B=Depth | Type=Tray | C2=None |
| C=Radius | Pattern=No | C3=None |
| D=Extension | X Size=0.000 | C4=None |
| E=Rail Width | Y Size=0.000 | |
| F=Rung Width | | |
| G=Rung Depth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

Damper:

Pattern: 881

Round/Equipment



| 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 | Number Of Segments=12 | |

Seams

Damper:

Pattern: 882

Rectangular

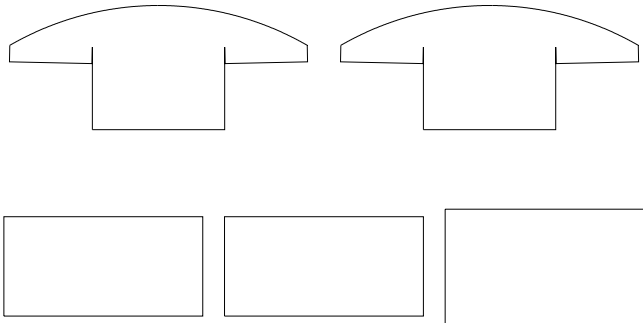


| Dims | Options | Conn's |
|---------------|---------|---------|
| A=Width In | | C1=None |
| B=Depth | | C2=None |
| C=Width Out | | C3=None |
| D=Angle Out | | |
| E=Length | | |
| F=Slope Angle | | |
| G=Extension | | |

Seams

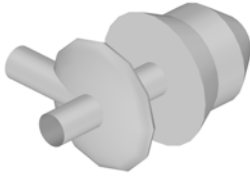
S1=None

Damper:



Pattern: 883

Pipework/Equipment



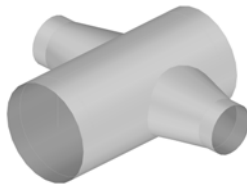
| Dims | Options | Conn's |
|-----------------|-------------------|---------|
| A=Diameter | Type=Vertical | C1=None |
| B=Diameter | Flare=Out | C2=None |
| C=Length | End=Flare | |
| D=Height | Height=0.000 | |
| E=Height | Thickness=0.000 | |
| F=Inset | Quantity=0 | |
| G=Inset | X Rotation=0.000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

Seams

Damper:

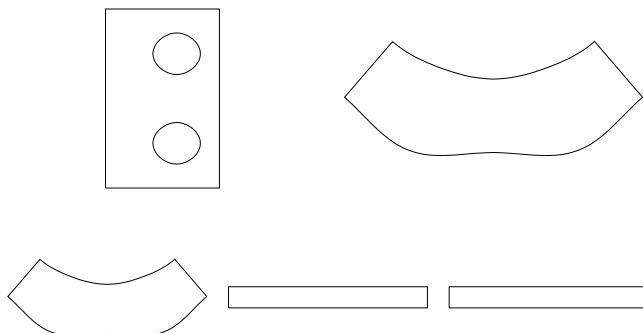
Pattern: 884

Round



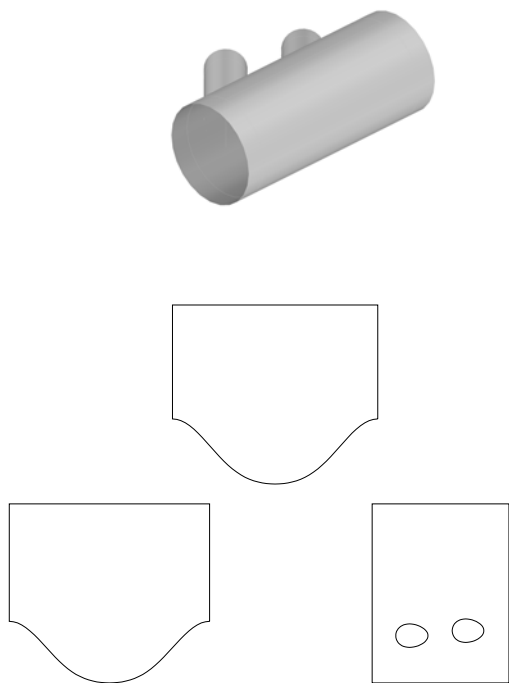
| Dims | Options | Conn's |
|----------------------|--------------------------------|----------------------|
| A=Pipe Diameter | Pipe Parts=1 | C1=... C11... C21... |
| B=Pipe Length | Branch Parts=1 | C2=... C12... C22... |
| C=Left Extension | Pipe Seam Position=0.000 | C3=... C13... |
| D=Right Extension | First Break=0.000 | C4=... C14... |
| E=Branch Diameter #1 | Second Break=0.000 | C5=... C15... |
| F=Hole Width #1 | Third Break=0.000 | C6=... C16... |
| G=Hole Depth #1 | Pipe Diameter Type=Nominal | C7=... C17... |
| H=Branch Length #1 | Branch Diameter Type=Nominal | C8=... C18... |
| I=Angle #1 | Hole Adjust=0.000 | C9=... C19... |
| J=Inset #1 | Branch Allowance To Pipe=0.000 | C10... C20... |
| K=Offset #1 | Branch Seam Position=0.000 | Seams |
| L=Rotation #1 | Plate Border=0.000 | S1=None |
| M=Collar #1 | Plate Border (Width)=Equal | S2=None |
| N=Hole Offset #1 | Plate Type=Rectangular | |
| 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 | | |

Damper:



Pattern: 885

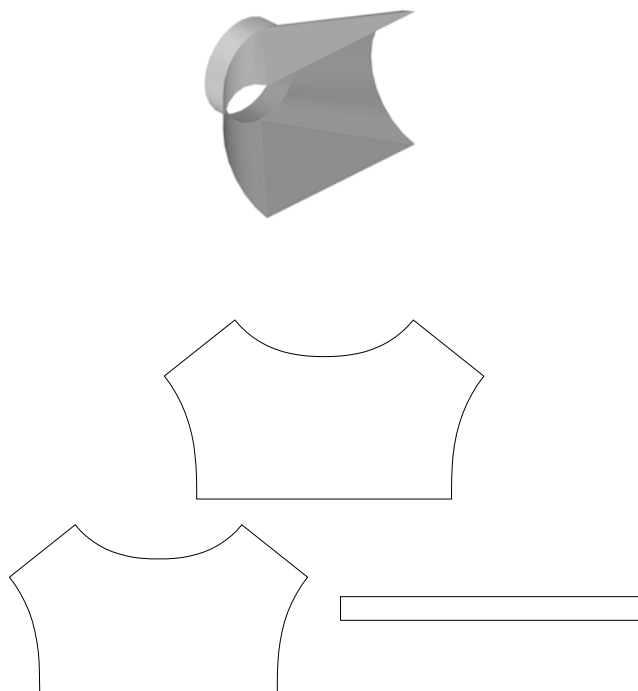
Round



| 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 | 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

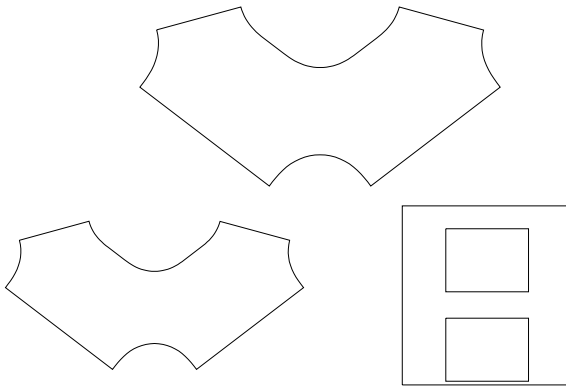
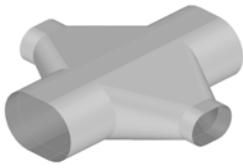
Round



| Dims | Options | Conn's |
|-------------------|-------------------------------|----------------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Branch Diameter | Branch Diameter Type=Nominal | C2=None |
| C=Branch Length | Branch Diameter Type=Nominal | C3=None |
| 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=None |
| B=Minor Axis | Branch Parts=1 | C2=None |
| C=Pipe Length | Pipe Seam Position=0.000 | C3=None |
| D=Left Extension | Pipe Diameter Type=Nominal | C4=None |
| 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 | | |
| 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 | | |

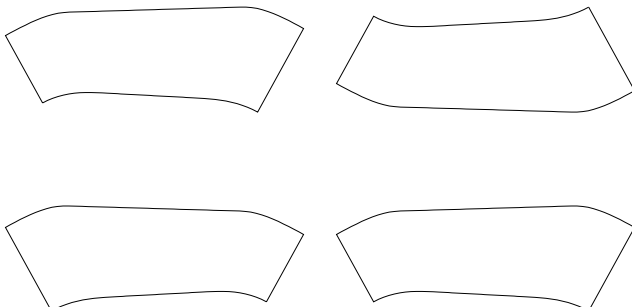
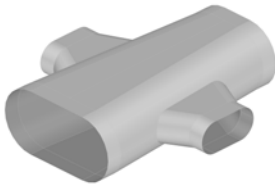
Seams

S1=None
S2=None
S3=None

Damper:

Pattern: 888

Flat Oval



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Width In | Pipe Parts=No Pipe | C1=None |
| B=Depth In | Diameter Type In=Nominal | C2=None |
| C=Width Out | Diameter Type Out=Nominal | C3=None |
| D=Depth Out | Branch Diameter Type=Nominal | C4=None |
| 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 | | |

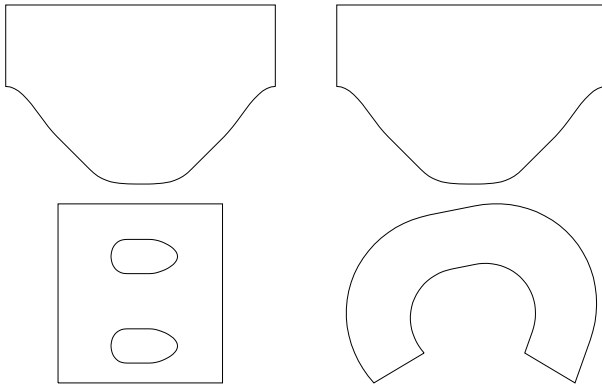
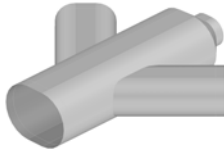
Seams

S1=None
S2=None

Damper:

Pattern: 889

Round/Flat Oval



| Dims | Options | Conn's |
|----------------------|--------------------------------|---------|
| A=Width | Pipe Parts=1 | C1=None |
| B=Depth | Branch Parts=1 | C2=None |
| C=Length | Pipe Diameter Type=Nominal | C3=None |
| D=Left Extension | Branch Diameter Type=Nominal | C4=None |
| E=Right Extension | Seam Position=0.000 | C5=None |
| 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 | | |
| 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 | | |

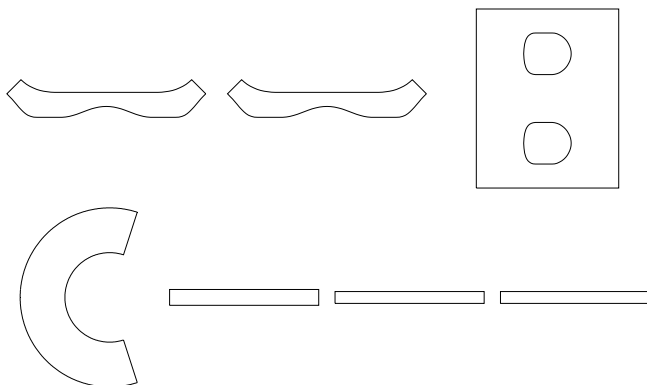
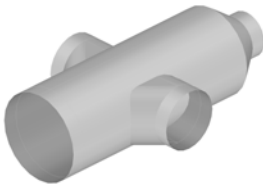
Seams

S1=None
S2=None
S3=None

Damper:

Pattern: 890

Round



| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Right Diameter | Branch Parts=1 | C2=None |
| C=Pipe Length | Pipe Seam Position=0.000 | C3=None |
| D=Right Length | Branch Seam Position=Throat | C4=None |
| E=Left Extension | Pipe Diameter Type=Nominal | C5=None |
| 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 | | |

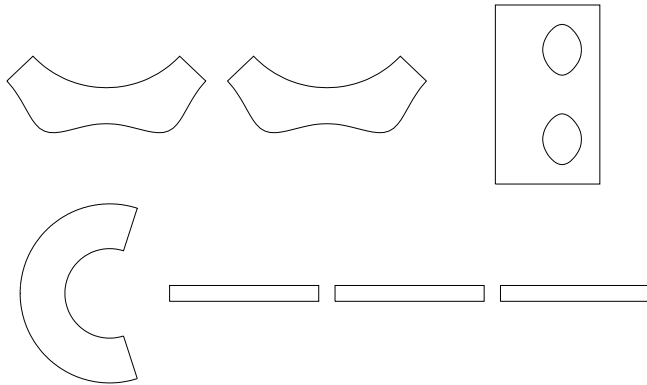
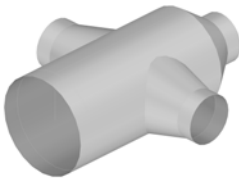
Seams

S1=None
S2=None
S3=None

Damper: None
None

Pattern: 891

Round



| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Right Diameter | Branch Parts=1 | C2=None |
| C=Pipe Length | Seam Position=0.000 | C3=None |
| D=Right Length | Pipe Diameter Type=Nominal | C4=None |
| E=Left Extension | Branch Diameter Type=Nominal | C5=None |
| 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 | | |

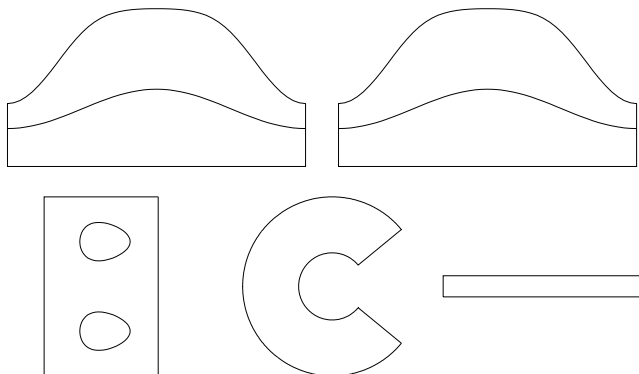
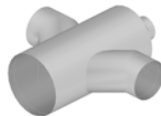
Seams

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=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 | C6=None |
| G=Branch Diameter | Pipe Diameter Type=Nominal | C7=None |
| 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 | | |

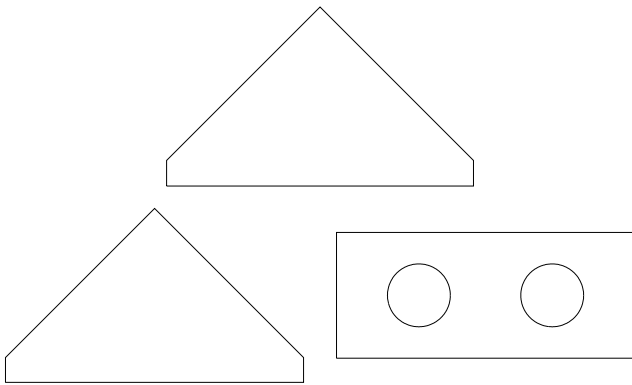
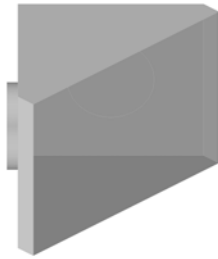
Seams

S1=None
S2=None
S3=None

Damper:

Pattern: 893

Rectangular



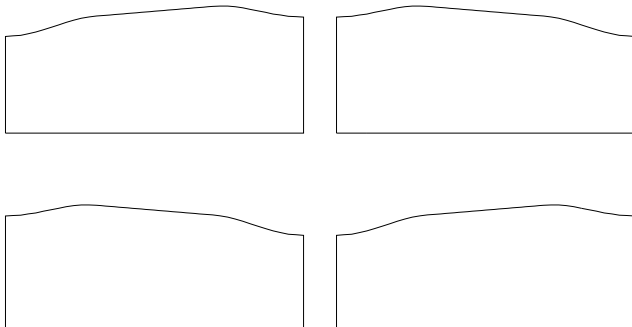
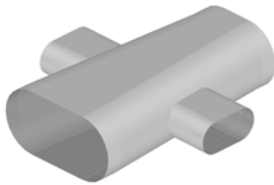
| Dims | Options | Conn's |
|------------------|------------------------|---------|
| A=Width | Vee Depth Male=Auto | C1=None |
| B=Depth | Vee Depth Female=Auto | |
| C=Angle | Vee Notch Angle=30.000 | |
| D=Extension | Use Vee Notch=No | |
| E=Hole Width | | |
| F=Hole Depth | | |
| G=Hole Radius | | |
| 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

Damper:

Pattern: 894

Flat Oval



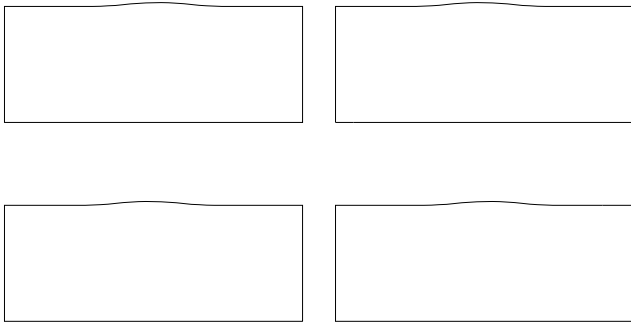
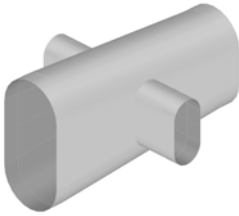
| Dims | Options | Conn's |
|------------------------|--------------------------------|---------|
| A=Major Axis | Pipe Parts=No Pipe | C1=None |
| B=Minor Axis | Diameter Type In=Nominal | C2=None |
| C=Major Axis | Diameter Type Out=Nominal | C3=None |
| D=Minor Axis | Branch Diameter Type=Nominal | C4=None |
| 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=None
S2=None

Damper:

Pattern: 895

Flat Oval



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Minor Axis | Pipe Parts=No Pipe | C1=None |
| B=Major Axis | Diameter Type In=Nominal | C2=None |
| C=Minor Axis | Diameter Type Out=Nominal | C3=None |
| D=Major Axis | Branch Diameter Type=Nominal | C4=None |
| 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 | | |

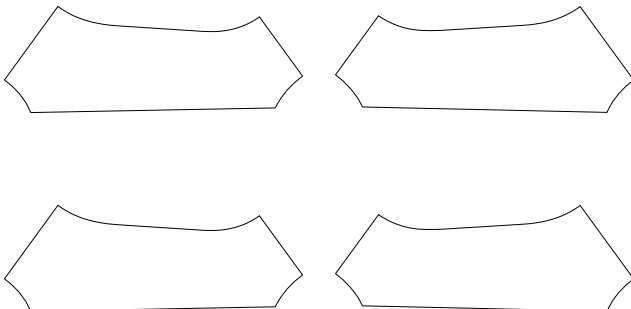
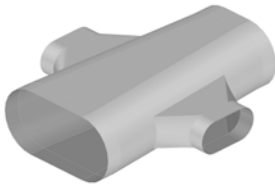
Seams

S1=None
S2=None

Damper:

Pattern: 896

Flat Oval



| Dims | Options | Conn's |
|------------------------|--------------------------------|---------|
| A=Major Axis | Pipe Parts=No Pipe | C1=None |
| B=Minor Axis | Diameter Type In=Nominal | C2=None |
| C=Major Axis | Diameter Type Out=Nominal | C3=None |
| D=Minor Axis | Branch Diameter Type=Nominal | C4=None |
| 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 | | |

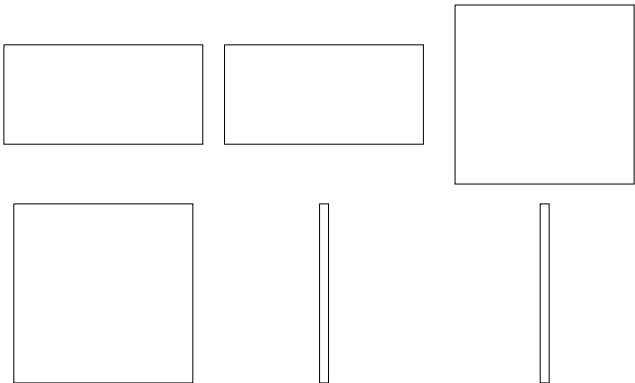
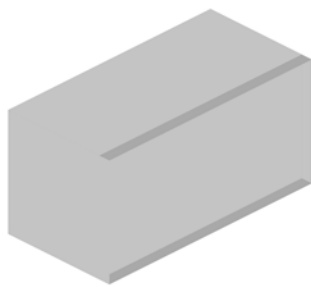
Seams

S1=None
S2=None

Damper:

Pattern: 898

Rectangular/Standard



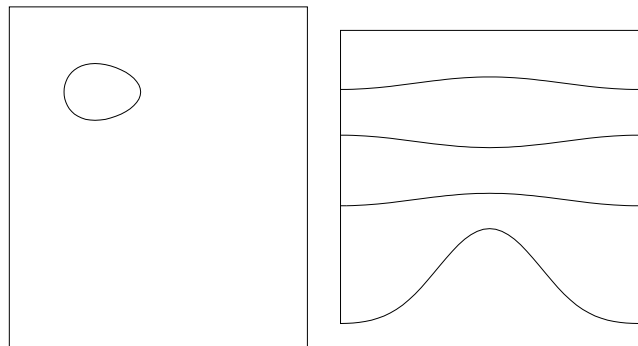
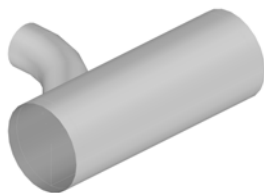
| Dims | Options | Conn's |
|----------------------|--------------------|--------|
| A=Width | Vertical=1 | |
| B=Height | Horizontal=1 | |
| C=Depth | Shelf Recess=0.000 | |
| D=Kick Height | Kick Recess=0.000 | |
| E=Centre Stile Width | Doors=None | |

Seams

Damper:

Pattern: 899

Round



| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=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=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 | |

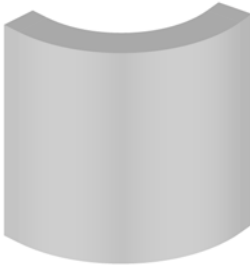
Seams

S1=None
S2=None

Damper:

Pattern: 900

Electrical/Equipment



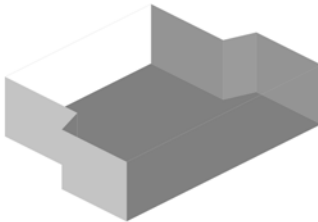
| Dims | Options | Conn's |
|--------------------|--------------------|---------|
| A=Width | Rungs=3 | C1=None |
| B=Depth | Type=Tray | C2=None |
| C=Angle | Type=Inside Riser | |
| D=Nominal Radius | Angle=No | |
| E=Extension | Pattern=No | |
| F=Rail Width | Auto Mirror=Yes | |
| G=Rung Width |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

Seams

Damper:

Pattern: 901

Electrical/Equipment



| 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 | Oversized Item=No | |
| J=Rung Depth | Offset Depth=Default | |
| K=Rung Height | | |
| L=Rung Inset | | |
| M=Wire Diameter | | |
| N=Wire X Spacing | | |
| O=Wire Y Spacing | | |

Seams

Damper:

Pattern: 902

Rectangular/Round/Flat Oval/Standard/Equipment

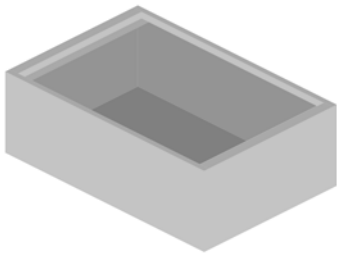
| Dims | Options | Conn's |
|------|--------------------|--------|
| | Inlet=1 | |
| | Outlet=1 | |
| | Pipework=No | |
| | Show Boundaries=No | |

Seams

Damper:

Pattern: 903

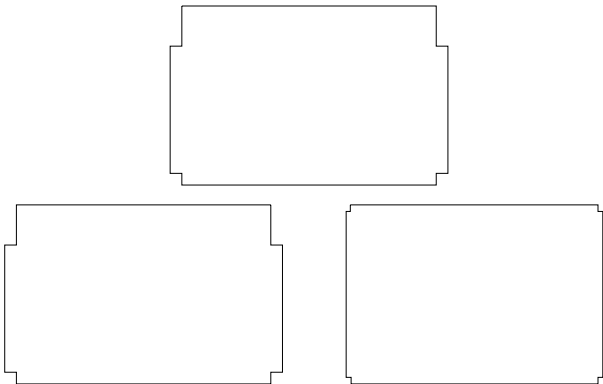
Rectangular



| 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 | | |

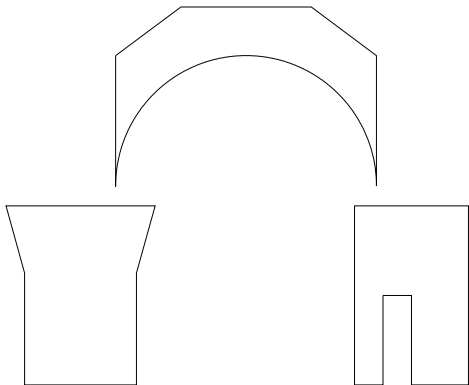
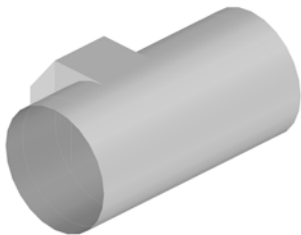
Seams

Damper:



Pattern: 904

Round



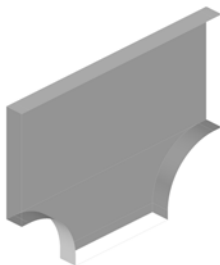
| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Round Allowance To Pipe=0.000 | C2=None |
| C=Left Extension | Flat Allowance To Pipe=0.000 | C3=None |
| D=Right Extension | Pipe Parts=1 | |
| 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=Offset | Castle Angle=30.000 | |
| J=Extension | Plate Border (Width)=Auto | |
| K=Hole Width | Throat Clearance=0.000 | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 905

Electrical/Equipment



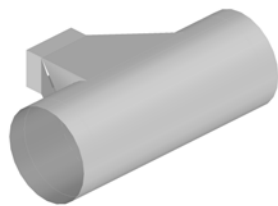
| Dims | Options | Conn's |
|-----------------------|--------------------|---------|
| A=Width | Type=Tray | C1=None |
| B=Depth | Throat Type=Radius | C2=None |
| C=Branch Width | Type=Outside | C3=None |
| D=Inner Radius | Pattern=No | C4=None |
| E=Right Extension | X Size=0.000 | |
| F=Rail Width | Y Size=0.000 | |
| G=Rung Width | Inlet=1 | |
| H=Rung Depth | Outlet=2 | |
| I=Rung Offset | Double=No | |
| J=Rung Inset | | |
| K=Wire Diameter | | |
| L=Wire X Spacing | | |
| M=Wire Y Spacing | | |
| N=Bottom Extension | | |
| O=Left Extension | | |
| P=Branch Wire Spacing | | |

| Seams |
|-------|
|-------|

Damper:

Pattern: 906

Round



| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=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 | 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 | | |
| I=Angle | | |
| J=Inset | | |
| K=Offset | | |
| L=Rotation | | |
| M=Extension | | |

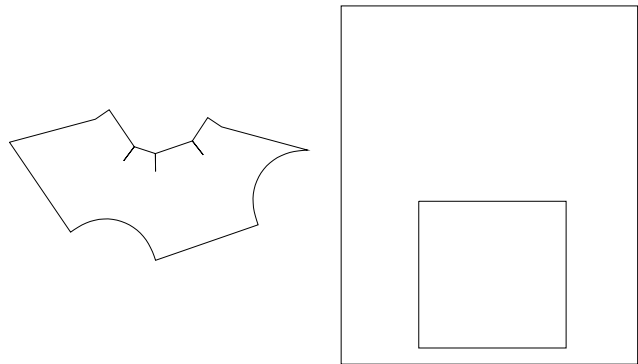
Seams

S1=None

S2=None

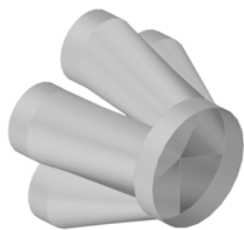
S3=None

Damper:



Pattern: 907

Round

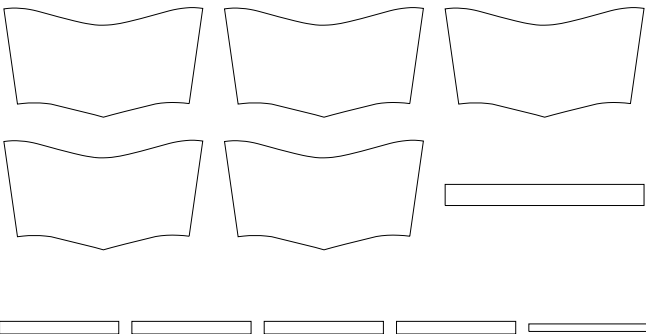


| Dims | Options | Conn's |
|-------------------|------------------------------|---------|
| A=Bottom Diameter | Bottom Diameter Type=Nominal | C1=None |
| B=Top Diameter #1 | Top Diameter Type=Nominal | C2=None |
| C=Top Diameter #2 | Seam Position=Front | C3=None |
| D=Top Diameter #3 | Cross Break=1 | C4=None |
| E=Top Diameter #4 | | C5=None |
| F=Top Diameter #5 | | C6=None |
| G=Height | | C7=None |
| H=Length #1 | | |
| I=Bottom Collar | | |
| J=Collar | | |
| K=Length #2 | | |
| L=Length #3 | | |
| M=Length #4 | | |
| N=Length #5 | | |

Seams

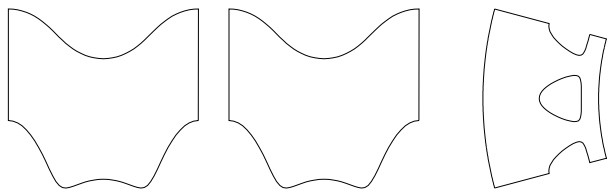
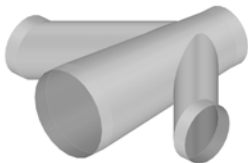
S1=None

Damper:



Pattern: 908

Round



| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Diameter | Branch Parts=1 | C2=None |
| C=Pipe Length | Pipe Seam Position=270.000 | C3=None |
| D=Left Collar | Branch Seam Position=Throat | C4=None |
| 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/Equipment



| 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/Structure/Equipment



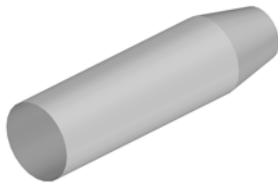
| Dims | Options | Conn's |
|--------------------------|--------------------------|---------|
| A=Depth | Type=Full | C1=None |
| B=Width | Rotation=Vertical | C2=None |
| C=Height | Closed=Yes | |
| D=Flange | Hole Type=Circle/Ellipse | |
| E=Flange | Draw as Single Line=No | |
| F=Radius | Full=No | |
| 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 | | |

Seams

Damper:

Pattern: 911

Round/Flat Oval

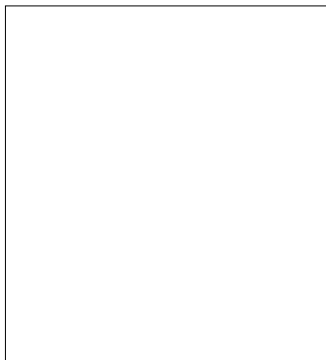


| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Pipe Width | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Depth | Reducer Diameter Type=Nominal | C2=None |
| C=Pipe Length | Pipe Parts=1 | C3=None |
| D=Reducer Width | Pipe Seam Position=0.000 | |
| 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=None

Damper:



Pattern: 912

Round/Equipment



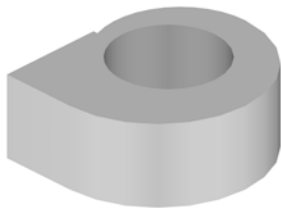
| Dims | Options | Conn's |
|--------------|-----------------------------|--------|
| A=Diameter | Inlet=1 | |
| B=Height | Outlet=1 | |
| C=Top Length | Library=Round | |
| D=Btm Length | Fix Double Wall=No | |
| | Branches Inset Centrally=No | |

Seams

Damper:

Pattern: 913

Rectangular/Round/Equipment



| Dims | Options | Conn's |
|---------------|------------------|---------|
| A=Width | Mirror=No | C1=None |
| B=Depth | Base Depth=Yes | C2=None |
| 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/Equipment



| Dims | Options | Conn's |
|-------------------|-----------------------|---------|
| A=Width | Install Type=Plain | C1=None |
| B=Depth | Sex Type=Male | C2=None |
| C=Length | Control Type=None | |
| 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 | Type=Auto | |
| J=Right Extension | Cost Supports=No | |
| K=Sides | Lines Type=Quantity | |
| L=Bottom | Lines=3.000 | |
| M=Top | | |

Seams

Damper:

Pattern: 915

Rectangular

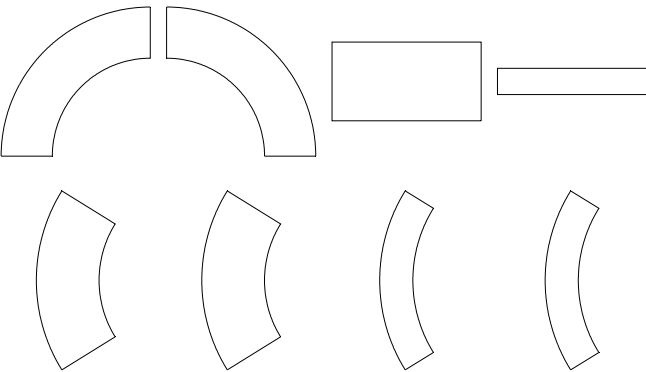


| Dims | Options | Conn's |
|----------------|---------|--------|
| A=Diameter | | |
| B=Inner Radius | | |
| C=Angle | | |

Seams

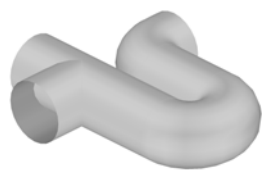
S1=None

Damper:



Pattern: 916

Pipework/Equipment

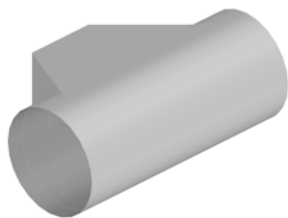


| Dims | Options | Conn's |
|---------------------|-----------------------|---------|
| A=Diameter | Type=Straight Branch | C1=None |
| B=Depth | Rotation=0.000 | C2=None |
| C=Height | Inlet=1 | C3=None |
| D=Y-Offset | Outlet=2 | |
| E=X-Offset | Angle Tolerance=0.000 | |
| F=Bottom Radius | | |
| G=Right Radius | | |
| H=Angle Out | | |
| I=Base Angle | | |
| J=C2 Inner Diameter | | |
| | | Seams |

Damper:

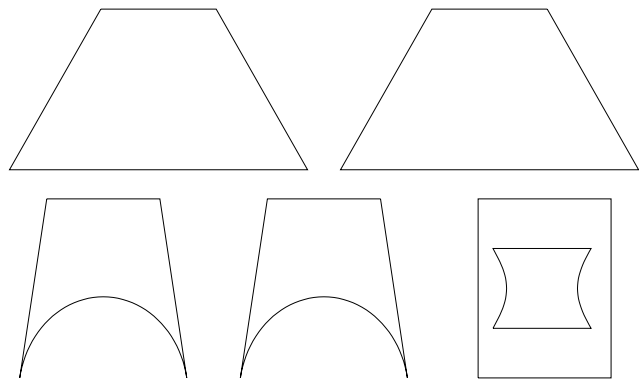
Pattern: 917

Round



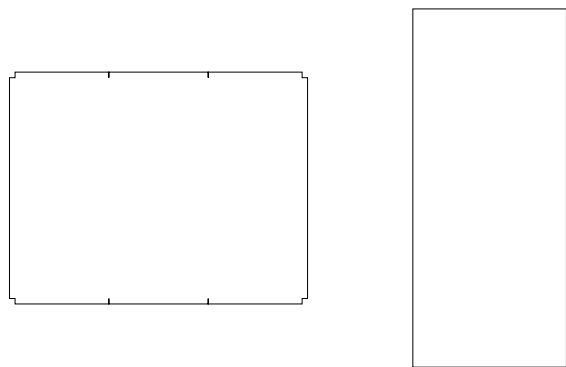
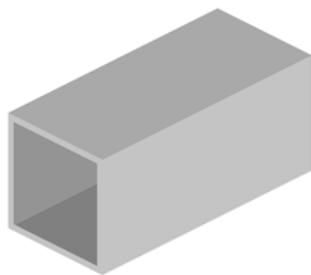
| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Round Allowance To Pipe=0.000 | C2=None |
| C=Left Extension | Flat Allowance To Pipe=0.000 | C3=None |
| D=Right Extension | Hole Adjust=0.000 | |
| 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



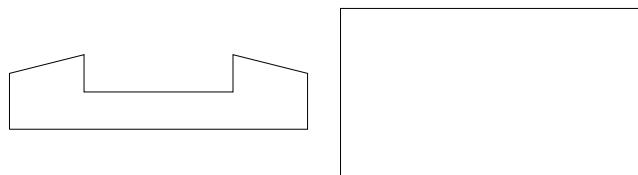
| Dims | Options | Conn's |
|---------------|------------------------------|---------|
| A=Width | Turnover=In | C1=None |
| B=Depth | Turnover=Top | C2=None |
| C=Length | Vee Notch Depth=Auto | |
| D=Turnover #1 | Vee Notch Angle=0.000 | |
| E=Turnover #2 | Marker Depth=0.000 | |
| | Marker Angle=0.000 | |
| | Type=Rectangular | |
| | Maximum Stretchout=10000.000 | |

Seams

Damper:

Pattern: 919

Rectangular



| Dims | Options | Conn's |
|---------------|-----------------------|---------|
| A=Width | Vee Notch Depth=Auto | C1=None |
| B=Depth | Vee Notch Angle=0.000 | C2=None |
| C=Length | Marker Depth=0.000 | |
| D=Hole Length | Marker Angle=0.000 | |
| E=Hole Width | Parts=2 | |
| F=Turnover | | |
| G=Left Length | | |

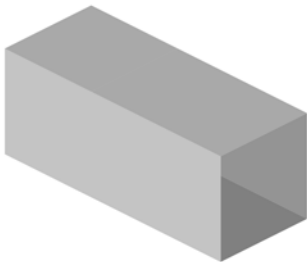
Seams

S1=None

Damper:

Pattern: 920

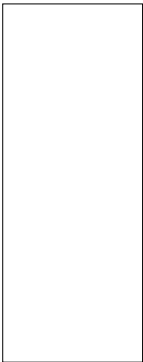
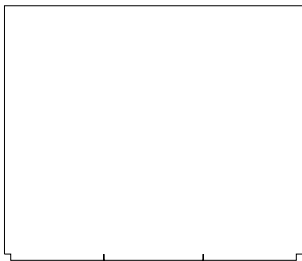
Rectangular



| Dims | Options | Conn's |
|---------------|------------------------------|---------|
| A=Width | Turnover=In | C1=None |
| B=Depth | Vee Notch Depth=Auto | C2=None |
| 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 | Maximum Stretchout=10000.000 | |

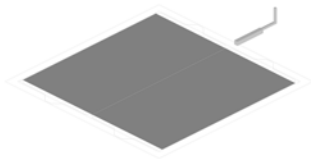
Seams

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 | | |

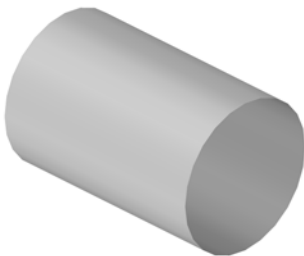
Seams

Damper:



Pattern: 922

Round



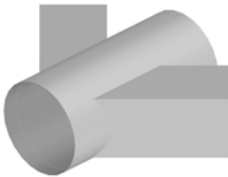
| Dims | Options | Conn's |
|----------------------|------------------|---------|
| A=Diameter | Parts To Cut=All | C1=None |
| B=Inner Diameter | | C2=None |
| C=Y Pitch | | C3=None |
| D=Number Of Segments | | |
| E=Quantity | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 923

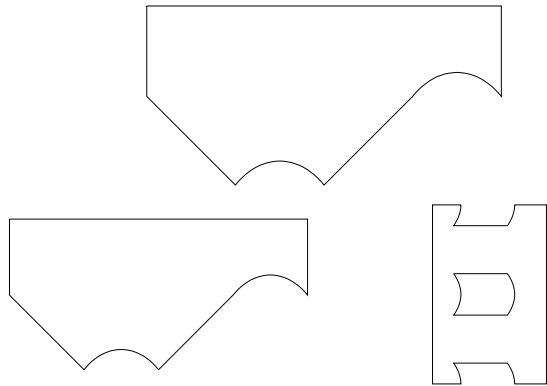
Round



| Dims | Options | Conn's |
|-----------------------|-------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Round Allowance To Pipe=0.000 | C2=None |
| C=Left Extension | Flat Allowance To Pipe=0.000 | C3=None |
| D=Right Extension | Pipe Parts=1 | C4=None |
| E=Branch Width #1 | Branch Parts=1 | |
| F=Branch Depth #1 | First Break=0.000 | |
| G=Branch Length #1 | Second Break=0.000 | |
| H=Branch Angle #1 | Third Break=0.000 | |
| I=Branch Inset #1 | Pipe Seam Position=270.000 | |
| J=Branch Offset #1 | Hole Adjust=0.000 | |
| K=Branch Rotation #1 | Plate Border=0.000 | |
| L=Branch Extension #1 | Castle Width=0.000 | |
| M=Branch Width #2 | Castle Angle=30.000 | |
| N=Branch Depth #2 | Plate Border (Width)=Auto | |
| O=Branch Length #2 | | |
| P=Branch Angle #2 | | |
| Q=Branch Inset #2 | | |
| R=Branch Offset #2 | | |
| S=Branch Rotation #2 | | |
| T=Branch Extension #2 | | |

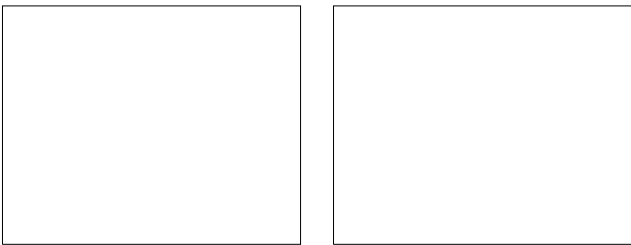
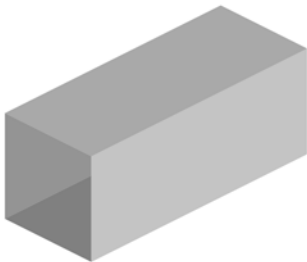
| Seams |
|---------|
| S1=None |
| S2=None |
| S3=None |

Damper: None
None
None
None



Pattern: 924

Rectangular



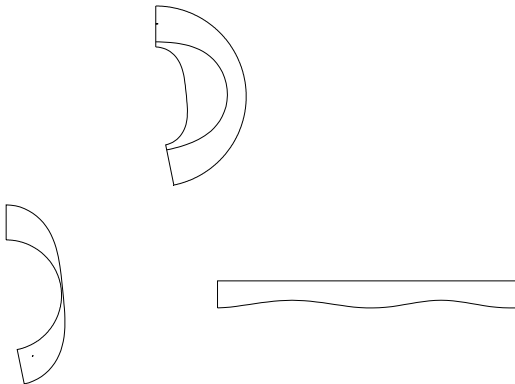
| Dims | | Options | Conn's |
|----------|---------|----------------------------------|---------|
| A=Width | B=Depth | Connector Fold Notch=Use Default | C1=None |
| C=Length | | Vee Notch Depth=Auto | C2=None |
| | | Vee Notch Angle=30.000 | |
| | | Override=None | |
| | | Connector Fold Notch=Use Default | |
| | | Vee Notch Depth=Auto | |
| | | Vee Notch Angle=30.000 | |
| | | Beading=No | |
| | | Insulation UI=Shortest Side | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 925

Flat Oval



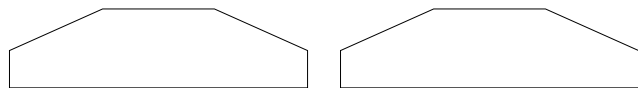
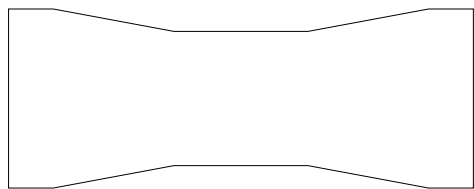
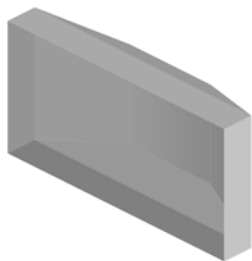
| Dims | | Options | Conn's |
|----------------------|--|------------------------------|---------|
| A=Bottom Diameter | | Seam Position=180.000 | C1=None |
| B=Height | | Cross Break=1 | C2=None |
| C=Offset | | Pipe Diameter Type=Nominal | |
| D=Height | | Branch Diameter Type=Nominal | |
| E=Left 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



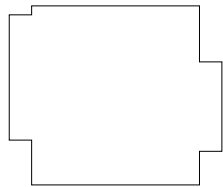
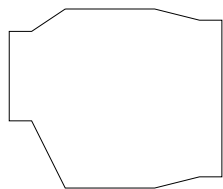
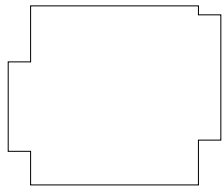
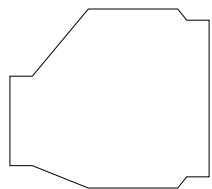
| Dims | Options | Conn's |
|-------------------|-----------------------------|---------|
| A=Left Width | Item Connector Len1=0.000 | C1=None |
| B=Left Depth | Item Connector Len2=0.000 | |
| C=Length | 3 Parts=Yes | |
| D=Right Width | Connector=No | |
| E=Right Depth | Seam Extension=No | |
| F=Offset 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 | |
| | Rotation=0 | |
| | Cost Supports=No | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 927

Rectangular



| Dims | Options | Conn's |
|-----------------------|-----------------------------|---------|
| A=Width | Notch Angle For Seam=30.000 | C1=None |
| B=Depth | | C2=None |
| 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=None |
| S2=None |

Damper:

Pattern: 928

Round/Standard/Equipment

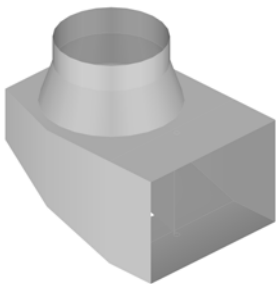
| Dims | Options | Conn's |
|------|--------------|--------|
| | Inlet=1 | |
| | Outlet=1 | |
| | Library=Duct | |
| | Faces=No | |

Seams

Damper:

Pattern: 929

Rectangular

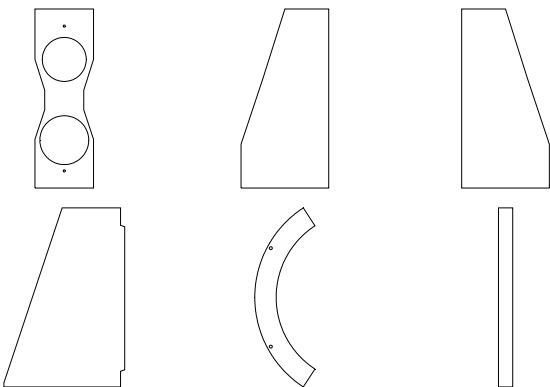


| Dims | Options | Conn's |
|-------------------------|----------------------------|---------|
| A=Width | Front Top and Back Parts=1 | C1=None |
| B=Depth | Pipe Parts=Yes | C2=None |
| C=Outlet | Hole Adjust=0.000 | |
| D=Diameter | Air Guide=Yes | |
| E=Height | Air Guide Adjust=0.000 | |
| F=Back | 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

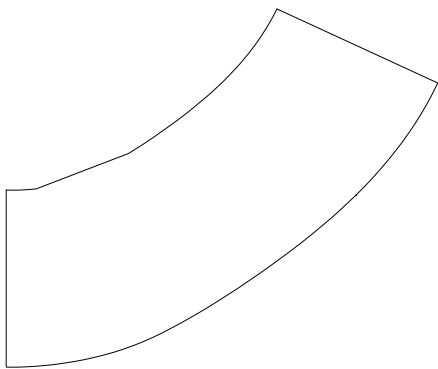
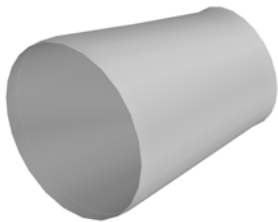
S1=None
S2=None

Damper:



Pattern: 930

Round



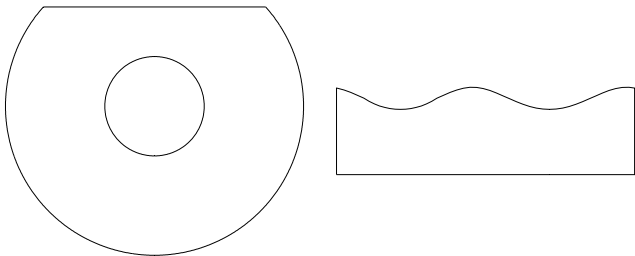
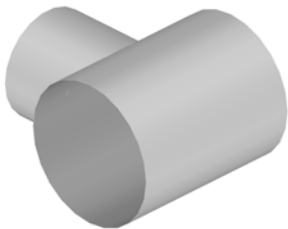
| Dims | Options | Conn's |
|----------------|----------------------------|---------|
| A=Diameter | Seam Position=0.000 | C1=None |
| B=Diameter | 2 Parts=No | C2=None |
| C=Length | Vee Notch Angle=20.000 | |
| D=Y-Offset | Vee Notch Depth (C1)=0.000 | |
| E=X-Offset | Vee Notch Depth (C2)=0.000 | |
| 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



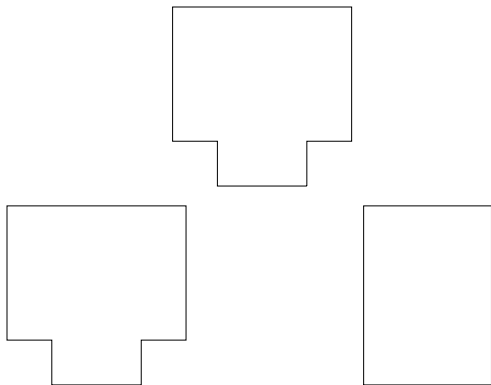
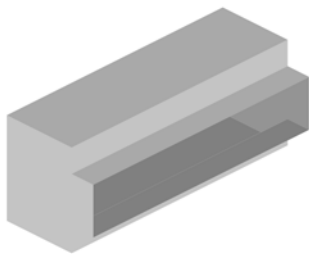
| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Branch Diameter | Branch Seam Position=0.000 | C1=None |
| B=Branch Length | Branch Parts=1 | C2=None |
| C=Hole Diameter | Branch Allowance To Pipe=0.000 | |
| D=Slice Depth | Pipe Seam Position=0.000 | |
| 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



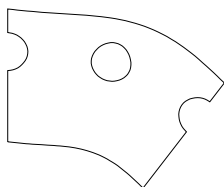
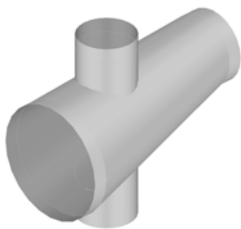
| Dims | Options | Conn's |
|-----------------|-------------------------------------|---------|
| A=Top Width | Vee Angle Female=20 | C1=None |
| B=Btm Width | Vee Angle Male=20 | |
| C=Top Height | Vee Depth Female=Auto | |
| D=Bottom Height | Vee Depth Male=Auto | |
| E=Length | Chamfer Notches On Outer Corners=No | |
| F=Offset | 3 Part Wrap=No | |
| | Connector Allowance=4 Sides | |
| | Cost Supports=No | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 933

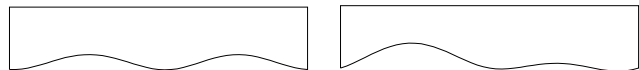
Round



| Dims | Options | Conn's |
|----------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Diameter | Seam Position=0.000 | C2=None |
| C=Pipe Length | Hole Adjust=0.000 | C3=None |
| D=Left Extension | Branch Type=Round | C4=None |
| E=Right Extension | Branch Parts=1 | |
| F=Offset Width | Branch Seam Position=0.000 | |
| G=Offset Depth | Branch Allowance To Pipe=0.000 | |
| H=Branch Diameter #1 | Branch Type=Round | |
| I=Branch Length #1 | Branch Parts=1 | |
| J=Angle #1 | Branch Seam Position=0.000 | |
| K=Inset #1 | Branch Allowance To Pipe=0.000 | |
| L=Offset #1 | Develop Collars=No | |
| M=Extension #1 | Develop Branch Collars=No | |
| N=Branch Diameter #2 | | |
| O=Branch Length #2 | | |
| P=Angle #2 | | |
| Q=Inset #2 | | |
| R=Offset #2 | | |
| S=Extension #2 | | |

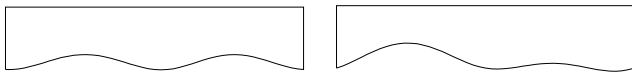
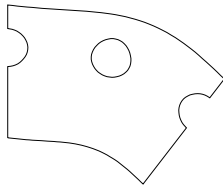
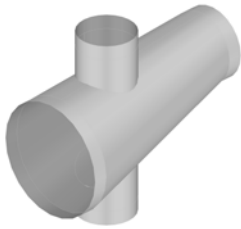
| Seams |
|---------|
| S1=None |
| S2=None |

Damper: None
None
None
None



Pattern: 934

Round



| Dims | Options | Conn's |
|----------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Diameter | Seam Position=0.000 | C2=None |
| C=Pipe Length | Hole Adjust=0.000 | C3=None |
| D=Left Extension | Branch Parts=1 | C4=None |
| E=Right Extension | Branch Seam Position=0.000 | |
| F=Offset Width | Branch Allowance To Pipe=0.000 | |
| G=Offset Depth | Branch Parts=1 | |
| H=Branch Diameter #1 | Branch Seam Position=0.000 | |
| I=Branch Length #1 | Branch Allowance To Pipe=0.000 | |
| J=Angle #1 | Develop Branch Collars=No | |
| K=Inset #1 | | |
| L=Offset #1 | | |
| M=Extension #1 | | |
| N=Branch Diameter #2 | | |
| O=Branch Length #2 | | |
| P=Angle #2 | | |
| Q=Inset #2 | | |
| R=Offset #2 | | |
| S=Extension #2 | | |

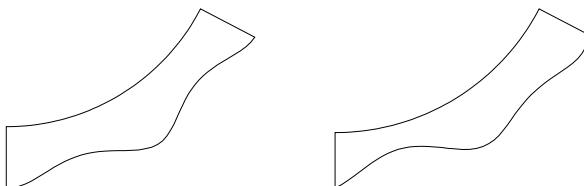
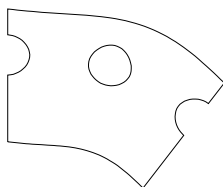
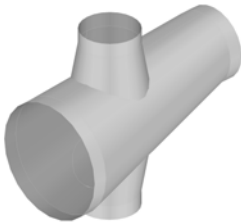
Seams

S1=None
S2=None

Damper: None
None
None
None

Pattern: 935

Round



| Dims | Options | Conn's |
|----------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Diameter | Seam Position=0.000 | C2=None |
| C=Pipe Length | Hole Adjust=0.000 | C3=None |
| D=Left Extension | Branch Parts=1 | C4=None |
| E=Right Extension | Branch Seam Position=0.000 | |
| F=Offset Width | Branch Allowance To Pipe=0.000 | |
| G=Offset Depth | Branch Parts=1 | |
| H=Branch Diameter #1 | Branch Seam Position=0.000 | |
| I=Branch Length #1 | Branch Allowance To Pipe=0.000 | |
| J=Angle #1 | Develop Collars=No | |
| K=Slope Angle #1 | Develop Branch Collars=No | |
| L=Inset #1 | | |
| M=Offset #1 | | |
| N=Extension #1 | | |
| O=Branch Rotation #1 | | |
| P=Branch Diameter #2 | | |
| Q=Branch Length #2 | | |
| R=Angle #2 | | |
| S=Slope Angle #2 | | |
| T=Inset #2 | | |
| U=Offset #2 | | |
| V=Extension #2 | | |
| W=Branch Rotation #2 | | |

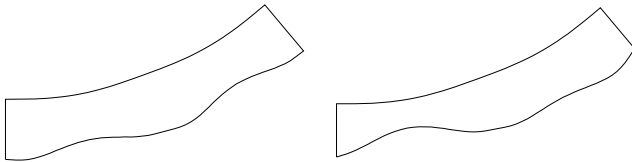
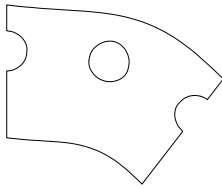
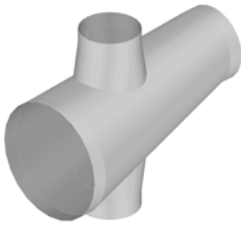
Seams

S1=None
S2=None

Damper: None
None
None
None

Pattern: 936

Round



| Dims | Options | Conn's |
|----------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Diameter | Seam Position=0.000 | C2=None |
| C=Pipe Length | Hole Adjust=0.000 | C3=None |
| D=Left Extension | Branch Parts=1 | C4=None |
| E=Right Extension | Branch Seam Position=0.000 | |
| F=Offset Width | Branch Allowance To Pipe=0.000 | |
| G=Offset Depth | Branch Parts=1 | |
| H=Branch Diameter #1 | Branch Seam Position=0.000 | |
| I=Branch Length #1 | Branch Allowance To Pipe=0.000 | |
| J=Angle #1 | Develop Collars=No | |
| K=Slope Angle #1 | Develop Branch Collars=No | |
| L=Inset #1 | | |
| M=Offset #1 | | |
| N=Extension #1 | | |
| O=Branch Diameter #2 | | |
| P=Branch Length #2 | | |
| Q=Angle #2 | | |
| R=Slope Angle #2 | | |
| S=Inset #2 | | |
| T=Offset #2 | | |
| U=Extension #2 | | |

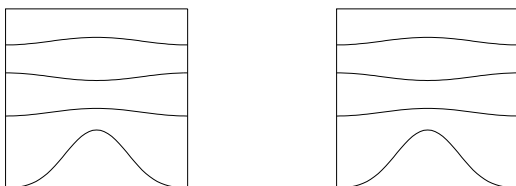
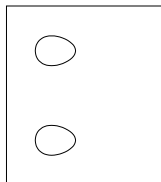
Seams

S1=None
S2=None

Damper: None
None
None
None

Pattern: 938

Round



| 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=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 | |

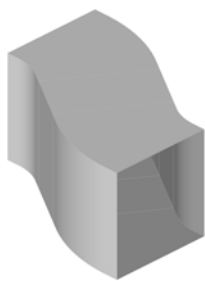
Seams

S1=None
S2=None

Damper:

Pattern: 939

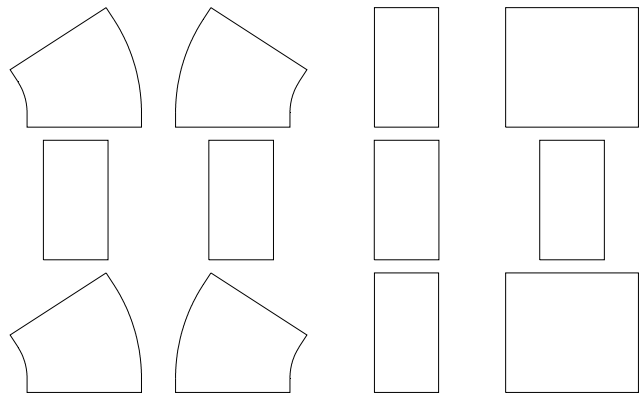
Rectangular



| Dims | Options | Conn's |
|-------------------|-------------------------|---------|
| A=Width | Vee Depth Male=Auto | C1=None |
| B=Depth | Vee Depth Female=Auto | C2=None |
| C=Length | Vee Angle Male=30 | C3=None |
| D=Extension In | Vee Angle Female=30 | C4=None |
| E=Extension Out | Offset Width=Left In | |
| F=Offset Width | Restricted Flow=Warning | |
| G=Radius | | |
| H=Connector Inset | | |

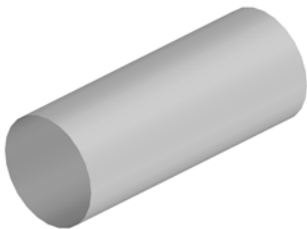
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 940

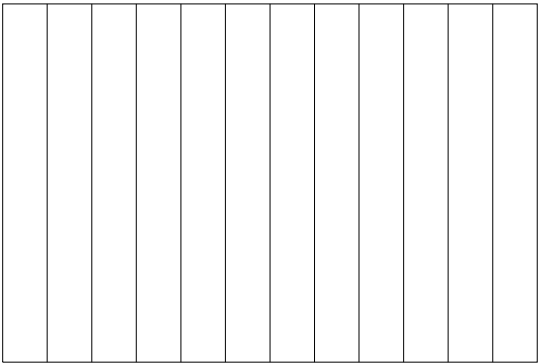
Round/Ductboard



| Dims | Options | Conn's |
|-------------------|-----------------------|---------|
| A=Diameter | Diameter Type=Nominal | C1=None |
| B=Length | Number Of Segments=12 | C2=None |
| C=Left Extension | Diameter Adjust=3.000 | |
| D=Right Extension | Half End=No | |

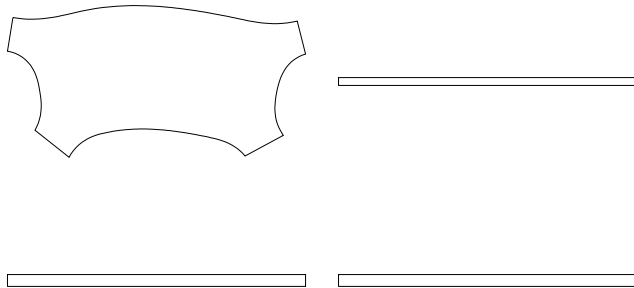
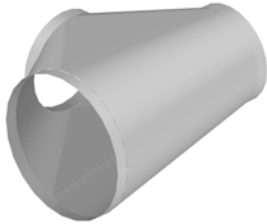
| Seams |
|---------|
| S1=None |

Damper: None
None



Pattern: 941

Round



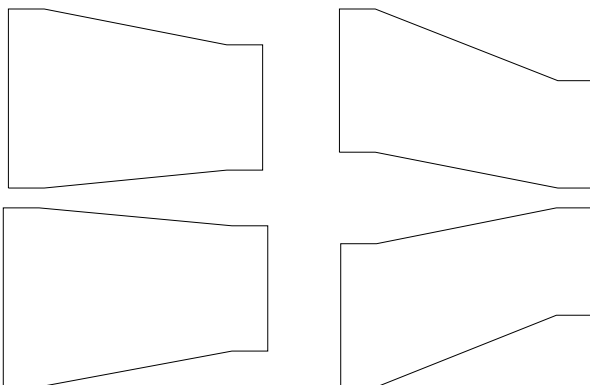
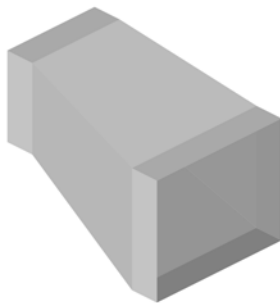
| Dims | Options | Conn's |
|-------------------|------------------------------|---------|
| A=Left Diameter | Left Diameter Type=Nominal | C1=None |
| B=Right Diameter | Right Diameter Type=Nominal | C2=None |
| C=Pipe Length | Branch Diameter Type=Nominal | C3=None |
| D=Y-Offset | Marker Notches=No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

Seams
S1=None

Damper:

Pattern: 942

Rectangular/Ductboard



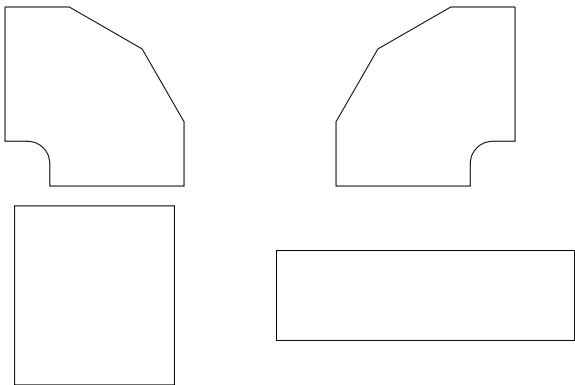
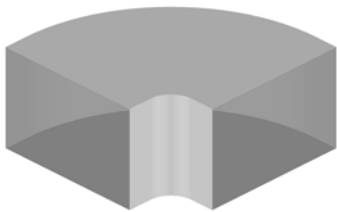
| Dims | Options | Conn's |
|-----------------|-------------------------|--------------------------------|
| A=Width In | 2 Parts=No | Fixing Holes on Tur... C1=None |
| B=Depth In | 3 Parts=No | Show Fold Angles=... C2=None |
| C=Width Out | Vee Depth Male=A... | |
| D=Depth Out | Vee Depth Female=... | |
| E=Length | Vee Notch Angle=2... | |
| F=Extension In | Taper Notch If Strai... | |
| G=Extension Out | Female Allow=Shor... | |
| H=Offset Width | 2-Sided Part Allowa... | |
| I=Offset Depth | Offset Width=Left In | |
| J=Angle | Offset Depth=Botto... | |
| | Taper Notch If Strai... | |
| | Use Taper Notch F... | |
| | Connector Fold Not... | |
| | Vee Notch Depth=... | |
| | Vee Notch Angle=3... | |
| | Input=Length | |
| | Vee Notch Depth If... | |
| | Maximum Angle=1... | |
| | Splitter Turnover=0... | |
| | Splitter Extension=... | |
| | Splitter Adjust=0.000 | |
| | Connector Fold Not... | |
| | Vee Notch Depth=... | |
| | Vee Notch Angle=3... | |
| | Splitter Hole Diamo... | |
| | Number Of Holes=... | |
| | Splitters=Half | |
| | Hole Inset=0.000 | |

Seams
S1=None

Damper:

Pattern: 943

Rectangular/Ductboard



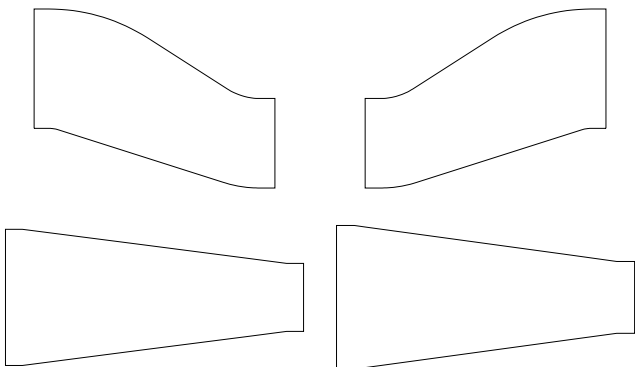
| Dims | Options | Conn's |
|-----------------------|--------------------------------|---------|
| A=Top Width | Throat Type=Radius | C1=None |
| B=Depth | Length Adjust For Part 4=0.000 | C2=None |
| C=Angle | Length Adjust For Part 3=0.000 | |
| D=Top Inner Extension | Vee Depth Male=Auto | |
| E=Bottom 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 | |
| | Outer Mitre=300.000 | |

Seams
S1=None

Damper:

Pattern: 944

Rectangular/Ductboard



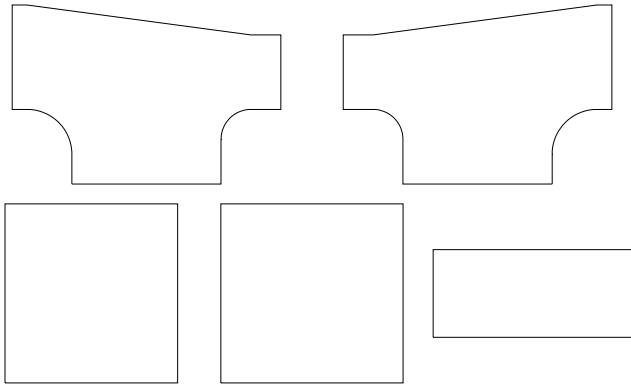
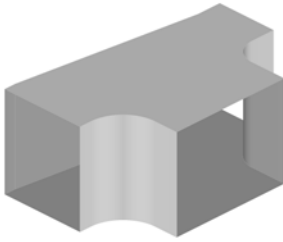
| Dims | Options | Conn's |
|-----------------|-------------------------|---------|
| A=Width In | Vee Depth Male=Auto | C1=None |
| B=Depth In | Vee Depth Female=Auto | C2=None |
| C=Width Out | Vee Angle Male=30 | |
| D=Depth Out | Vee Angle Female=30 | |
| E=Length | Offset Width=Left In | |
| F=Extension In | Offset Depth=Top Down | |
| G=Extension Out | Restricted Flow=Warning | |
| H=Offset Width | | |
| I=Offset Depth | | |
| J=Left Radius | | |
| K=Right Radius | | |

Seams
S1=None

Damper:

Pattern: 945

Rectangular/Ductboard



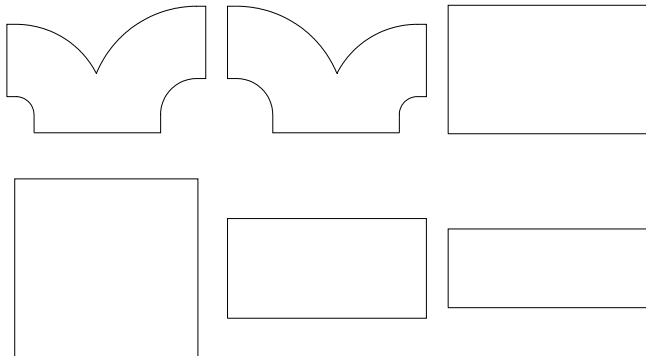
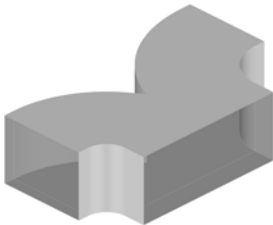
| Dims | Options | Conn's |
|-----------------------|------------------------|---------|
| A=Btm Width | Throat Type=Radius | C1=None |
| B=Depth | Vee Depth Male=Auto | C2=None |
| C=Left Width | Vee Depth Female=Auto | C3=None |
| D=Right Width | Vee Notch Angle=30.000 | |
| E=Right Radius | Hole Diameter=0.500 | |
| F=Left Radius | Hole Spacing=2.000 | |
| G=Btm Right Extension | Splitters=No | |
| H=Btm Left Extension | Inlet=1 | |
| I=Right Extension | Outlet=2 | |
| J=Left Extension | | |
| K=Splitter Distance | | |

Seams
S1=None

Damper:

Pattern: 946

Rectangular/Ductboard



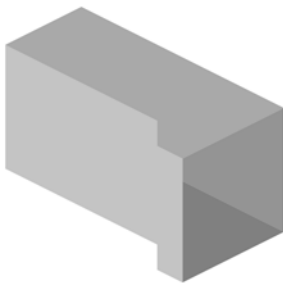
| Dims | Options | Conn's |
|-----------------------|--------------------------|---------|
| A=Btm Width | Right Throat Type=Radius | C1=None |
| B=Depth | Left Throat Type=Radius | C2=None |
| C=Right Width | Right Heel Type=Radius | C3=None |
| D=Left Width | Left Heel Type=Radius | |
| E=Height | 2 Part Wrapper=No | |
| F=Right Radius | Outlet=2 | |
| G=Left Radius | | |
| 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

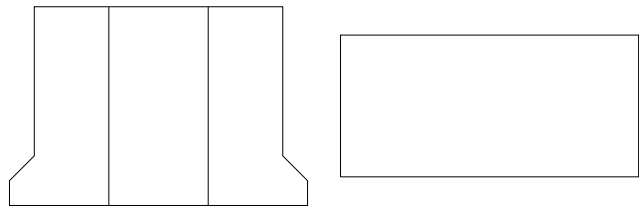
Rectangular/Ductboard



| Dims | Options | Conn's |
|--------------------|-------------------|---------|
| A=Top Width | Branch Parts=Auto | C1=None |
| B=Depth | | C2=None |
| C=Height | | |
| D=Btm Width | | |
| E=Bottom Extension | | |

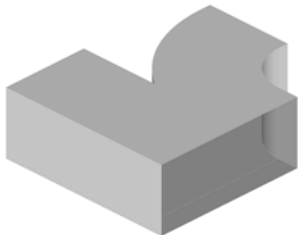
Seams

Damper:



Pattern: 950

Rectangular/Ductboard

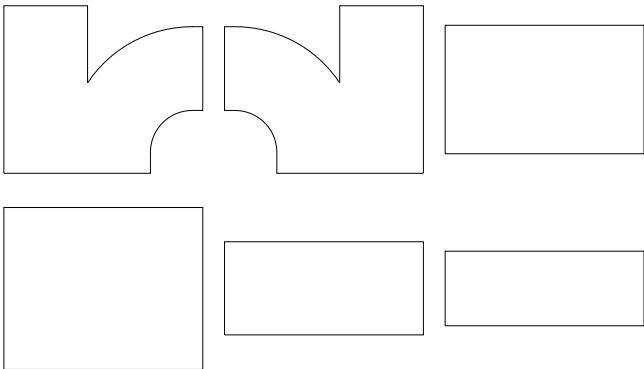


| Dims | Options | Conn's |
|--------------------|--------------------------|---------|
| A=Btm Width | Right Throat Type=Radius | C1=None |
| B=Depth | Right Heel Type=Radius | C2=None |
| C=Top Width | 2 Part Wrapper=No | C3=None |
| D=Right Width | Top Right=Straight | |
| E=Height | Outlet=2 | |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

Seams

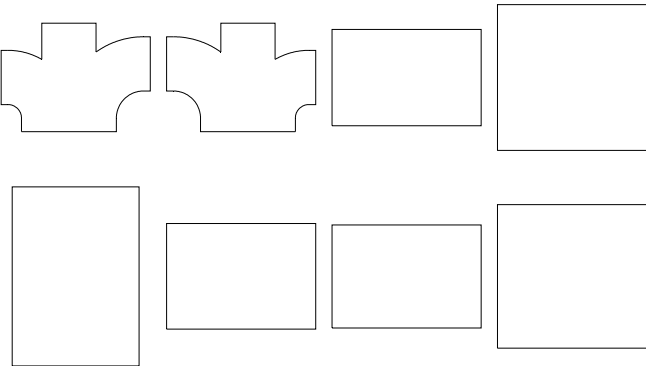
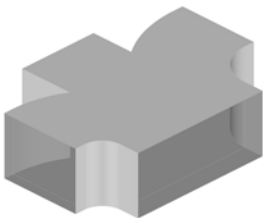
S1=None
S2=None

Damper:



Pattern: 951

Rectangular/Ductboard



| Dims | Options | Conn's |
|-----------------------|--------------------------|---------|
| A=Btm Width | Right Throat Type=Radius | C1=None |
| 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 | 2 Part Wrapper=No | |
| F=Height | Top Right=Straight | |
| G=Right Height | Top Left=Straight | |
| H=Left Height | Outlet=2 | |
| I=Right Radius | | |
| J=Left Radius | | |
| K=Right Angle | | |
| L=Left Angle | | |
| M=Btm Right Extension | | |
| N=Btm Left Extension | | |
| O=Right Extension | | |
| P=Left Extension | | |
| Q=Top Extension | | |

Seams

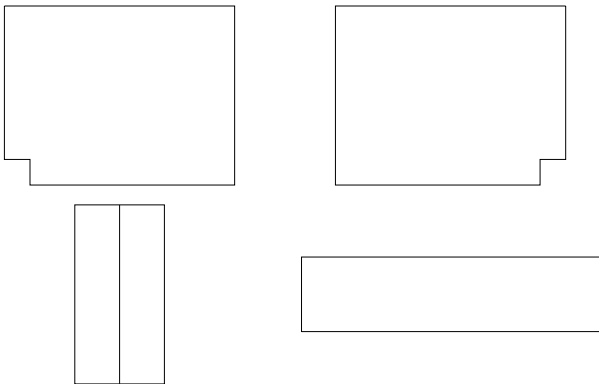
S1=None

S2=None

Damper:

Pattern: 952

Rectangular/Ductboard



| Dims | Options | Conn's |
|-----------------------|--------------------------------|---------|
| A=Top Width | Length Adjust For Part 4=0.000 | C1=None |
| B=Depth | Length Adjust For Part 3=0.000 | C2=None |
| 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 | |

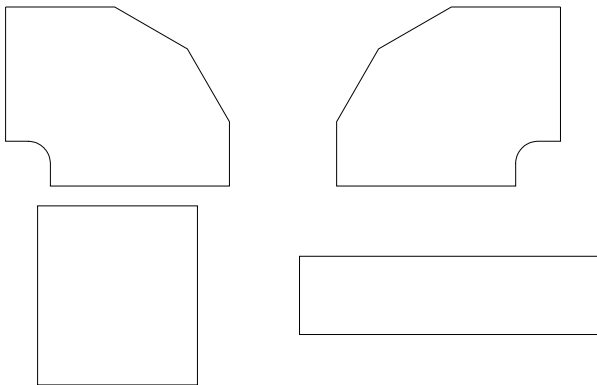
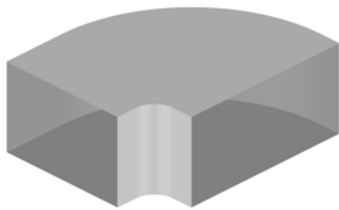
Seams

S1=None

Damper:

Pattern: 953

Rectangular/Ductboard



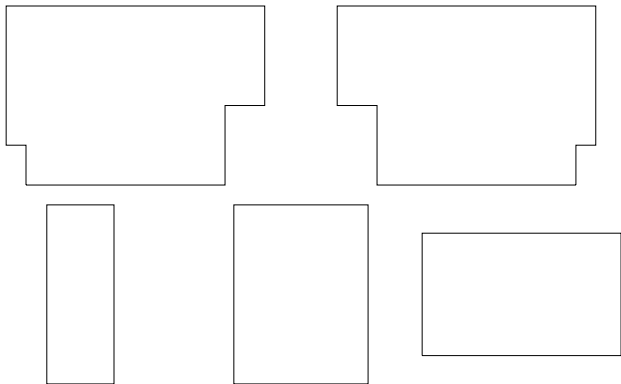
| Dims | Options | Conn's |
|-----------------------|--------------------------------|---------|
| A=Top Width | Throat Type=Radius | C1=None |
| B=Depth | Length Adjust For Part 4=0.000 | C2=None |
| C=Btm Width | Length Adjust For Part 3=0.000 | |
| D=Angle | Vee Depth Male=Auto | |
| E=Top Inner Extension | 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 | |
| | Outer Mitre=300.000 | |

Seams
S1=None

Damper:

Pattern: 954

Rectangular/Ductboard



| Dims | Options | Conn's |
|---------------------|------------------------|---------|
| A=Btm Width | 3 Parts=No | C1=None |
| B=Depth | Vee Depth Male=Auto | C2=None |
| C=Left Width | Vee Depth Female=Auto | C3=None |
| D=Right Width | Vee Notch Angle=30.000 | |
| E=Bottom Extension | Hole Diameter=0.500 | |
| F=Right Extension | Hole Spacing=2.000 | |
| G=Left Extension | Splitters=No | |
| H=Splitter Distance | Inlet=1 | |
| | Outlet=2 | |

Seams
S1=None

Damper:

Pattern: 955

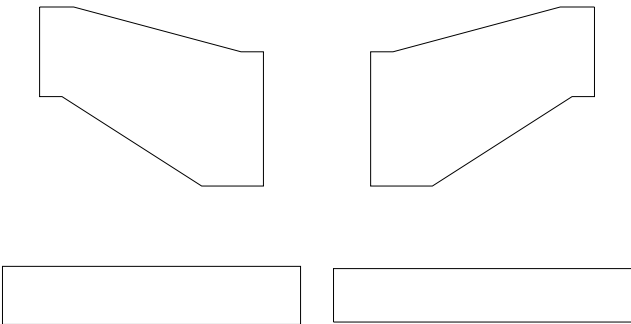
Rectangular/Ductboard



| Dims | Options | Conn's |
|-------------------|----------------|---------|
| A=Left Width | Split Mitre=No | C1=None |
| B=Depth | | C2=None |
| C=Right Width | | |
| D=Length | | |
| E=Left Extension | | |
| F=Right Extension | | |
| G=Offset Width | | |
| H=Angle | | |
| I=Left Extension | | |
| J=Right Extension | | |
| K=Right Width | | |

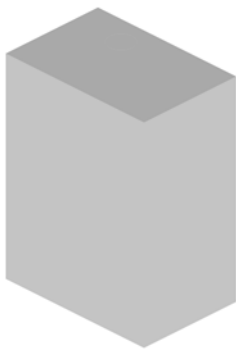
Seams
S1=None

Damper: None
None



Pattern: 956

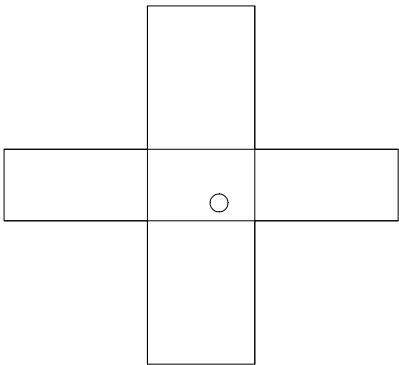
Rectangular/Ductboard



| Dims | Options | Conn's |
|--------------------|------------------------|---------|
| A=Width | Collar Allowance=0.000 | C1=None |
| B=Depth | Diameter Type=Nominal | C2=None |
| 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 | | |
| H=Hole Offset #1 | | |
| I=Hole Collar #1 | | |
| J=Hole Rotation #1 | | |

Seams
S1=None
S2=None

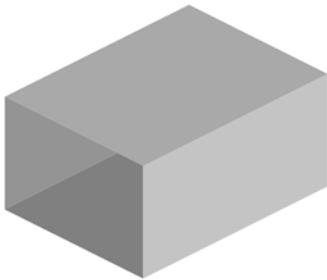
Damper: None



Pattern: 957

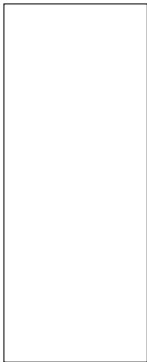
Rectangular/Ductboard

| Dims | | Options | Conn's |
|----------|---------|----------------------|---------|
| A=Width | B=Depth | Type=1 Part Straight | C1=None |
| C=Length | | | |



Seams

Damper:



Pattern: 958

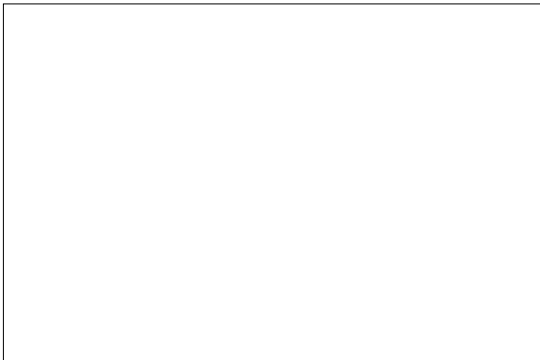
Rectangular/Ductboard

| Dims | | Options | Conn's |
|---------|---------|---------|---------|
| A=Width | B=Depth | Notch= | C1=None |
| | | Notch= | |
| | | Notch= | |
| | | Notch= | |



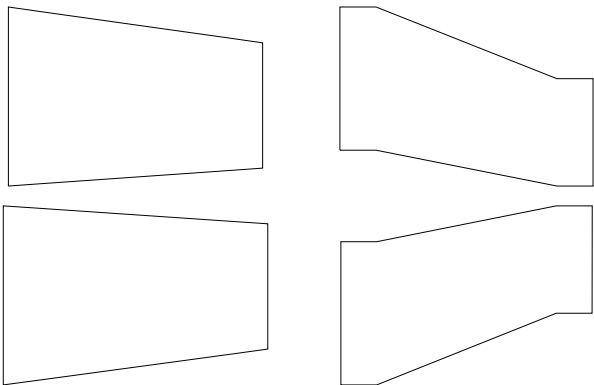
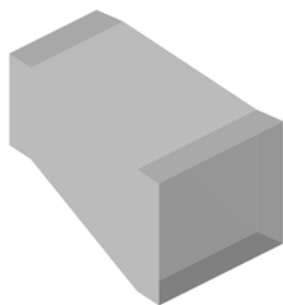
Seams

Damper:



Pattern: 959

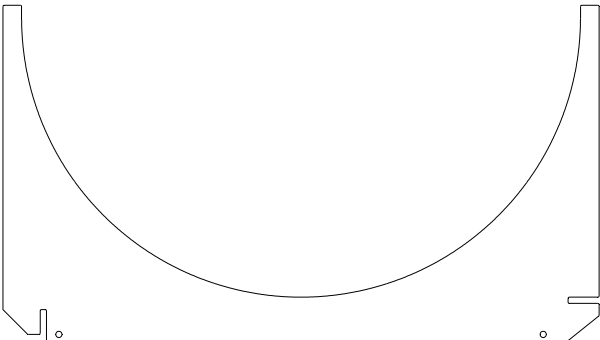
Rectangular



| Dims | Options | Conn's |
|-----------------|----------------------------------------------|---------|
| A=Width In | Vee Depth Male=Auto | C1=None |
| B=Depth In | Vee Depth Female=Auto | C2=None |
| C=Width Out | Vee Notch Angle=20.000 | |
| D=Depth Out | Taper Notch If Straight Edge (Female)=No | |
| E=Length | Female Allow=Shortest Slope | |
| F=Extension In | Offset Width=Left In | |
| G=Extension Out | Offset Depth=Bottom Up | |
| H=Offset Width | Taper Notch If Straight Edge (Male)=No | |
| I=Offset Depth | Input=Length | |
| J=Angle | Vee Notch Depth If Straight Edge (Female)... | |
| | Maximum Angle=180.000 | |
| | Splitter Turnover=0.000 | |
| | Splitter Extension=0.000 | |
| | Splitter Adjust=0.000 | |
| | 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 | |
| | | Seams |
| | | S1=None |
| | | Damper: |

Pattern: 960

Standard



| 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



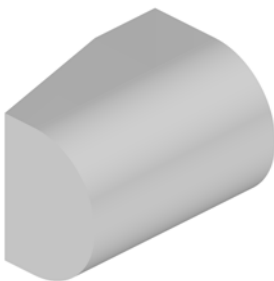
| Dims | Options | Conn's |
|---------------|-------------------|--------|
| A=A | Chamfer=No | |
| B=B | Number Of Holes=2 | |
| C=R | | |
| D=X1 | | |
| E=X2 | | |
| F=X4 | | |
| G=Y1 | | |
| H=Y3 | | |
| I=Y4 | | |
| J=D | | |
| K=R2 | | |
| L=R3 | | |
| M=Hole Offset | | |
| N=Hole Inset | | |

Seams

Damper:

Pattern: 962

Rectangular/Round

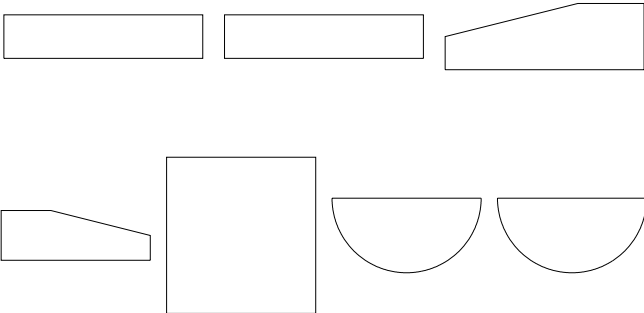


| Dims | Options | Conn's |
|----------------|-------------------------|---------|
| A=Diameter | Vee Depth Male=0.000 | C1=None |
| B=Left Height | Vee Angle Male=30.000 | |
| C=Right Height | Vee Depth Female=0.000 | |
| D=Length | Vee Angle Female=30.000 | |
| E=Right Length | Notch Out=No | |
| | Use Ends Seam 3=No | |
| | Split Radius=No | |
| | Close Middle=No | |

Seams

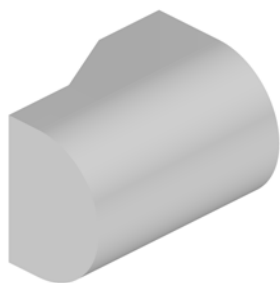
S1=None
S2=None
S3=None

Damper:



Pattern: 963

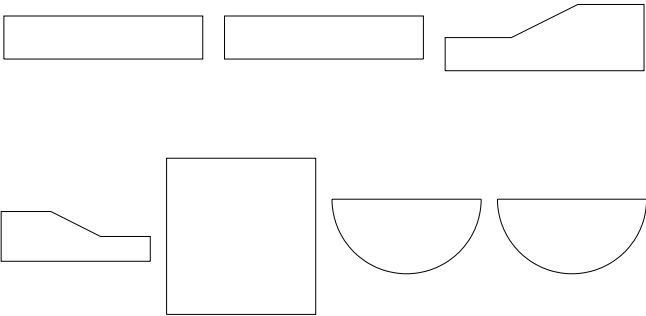
Rectangular/Round



| Dims | Options | Conn's |
|----------------|-------------------------|---------|
| A=Diameter | Vee Depth Male=0.000 | C1=None |
| 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 | |

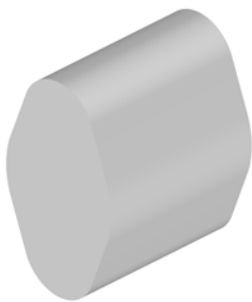
| Seams |
|---------|
| S1=None |
| S2=None |
| S3=None |

Damper:



Pattern: 964

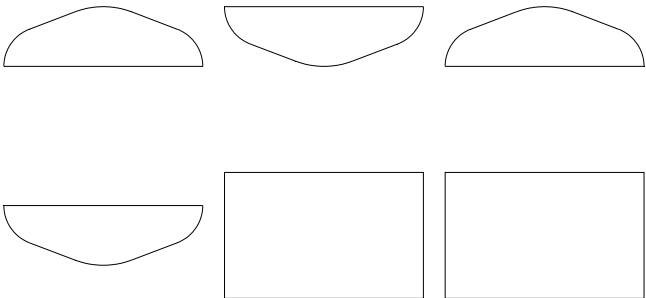
Rectangular/Round



| Dims | Options | Conn's |
|---------------|-------------------------|---------|
| A=Width | Vee Depth Male=0.000 | C1=None |
| 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 | |

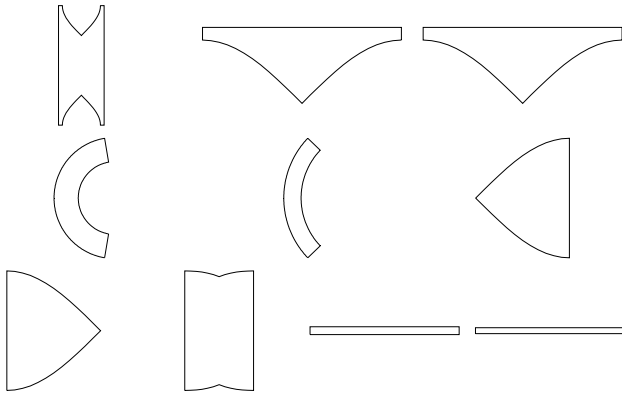
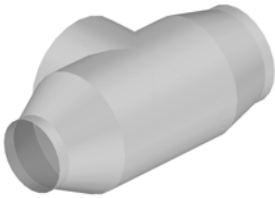
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 965

Round



| Dims | Options | Conn's |
|-------------------|---------------------------------|---------|
| A=Top Diameter | Pipe Parts=2 | C1=None |
| B=Top Extension | Branch Parts=2 | C2=None |
| C=Left Diameter | First Break=0.000 | C3=None |
| D=Left Length | Second Break=0.000 | C4=None |
| E=Left Offset | Third Break=0.000 | C5=None |
| 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 | |

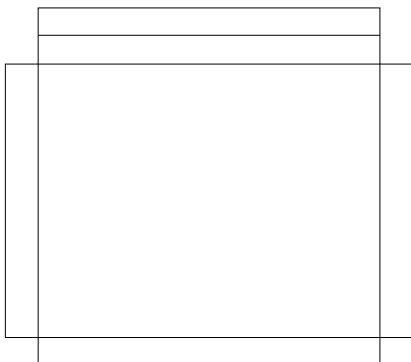
Seams

S1=None
S2=None
S3=None

Damper:

Pattern: 966

Rectangular/Standard



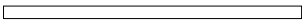
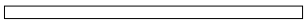
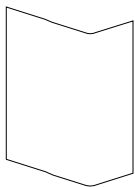
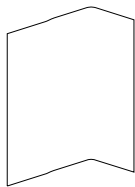
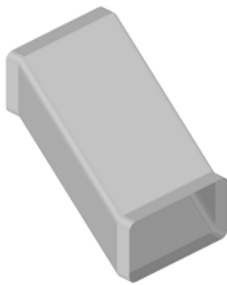
| Dims | Options | Conn's |
|------------------------|--------------------------|---------|
| A=Width | Top Folds=2 | C1=None |
| B=Depth | Bottom Folds=1 | |
| C=Top Extension #1 | Left Folds=1 | |
| D=Top Fold Angle #1 | Right Folds=1 | |
| E=Top Extension #2 | Notch= | |
| F=Top Fold Angle #2 | Notch=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

Seams

Damper:

Pattern: 967

Flat Oval



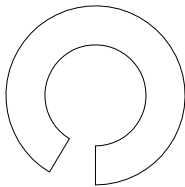
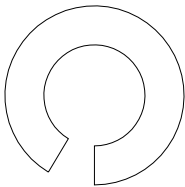
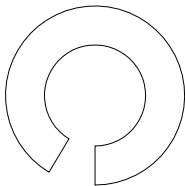
| Dims | Options | Conn's |
|-----------------|----------------------------|---------|
| A=Left Width | Cross Break=2 | C1=None |
| B=Left Depth | Diameter Type BE=Nominal | C2=None |
| C=Right Width | Diameter Type SE=Nominal | |
| D=Right Depth | Same Seams On Each Part=No | |
| E=Length | Seam Position=Major Axis | |
| F=Offset Width | | |
| G=Offset Depth | | |
| H=Left Collar | | |
| I=Right Collar | | |
| J=Corner Radius | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 968

Round



| Dims | Options | Conn's |
|------------------|---------------|---------|
| A=Diameter | Clockwise=Yes | C1=None |
| B=Inner Diameter | | C2=None |
| C=Y Pitch | | C3=None |
| D=Height | | |

| Seams |
|---------|
| S1=None |

Damper:

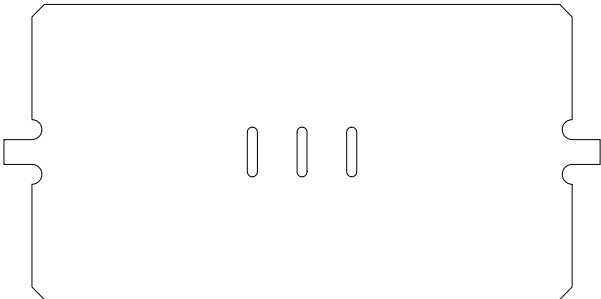
Pattern: 969

Standard



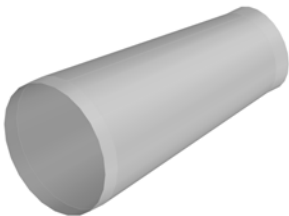
| Dims | Options | Conn's |
|------------------|---------------------------|---------|
| A=Width | Add Allowance To Body=Yes | C1=None |
| B=Depth | | |
| C=Notch Diameter | | |
| D=Insulation | | |
| E=Duct Adjust | | |
| F=Maximum Width | | |
| G=Corner | | |
| H=Centre | | |
| I=Slot Width | | |
|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

Damper:



Pattern: 970

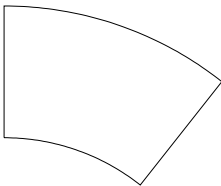
Round



| Dims | Options | Conn's |
|-------------------|------------------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Diameter | Seam Position=0.000 | C2=None |
| 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 | | |

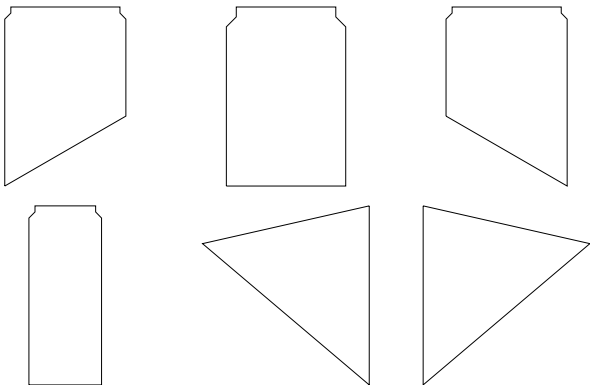
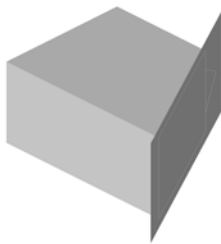
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 971

Rectangular



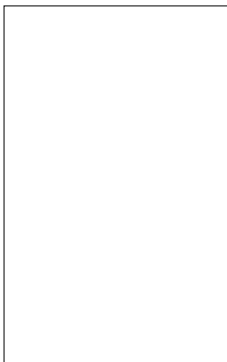
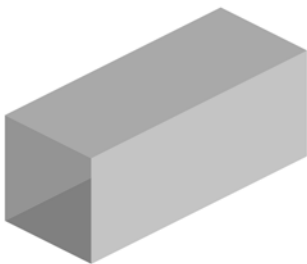
| Dims | | Options | Conn's |
|---------------------|--|-------------------|--------|
| A=Width | | Height=Up Slope | |
| B=Height | | Notch=Vee Notch | |
| C=Depth | | Input=Slope Angle | |
| D=Slope Angle | | | |
| E=Rise X On 12 | | | |
| F=Up Slope Flange | | | |
| G=Down Slope Flange | | | |
| H=Left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

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 972

Rectangular/Standard



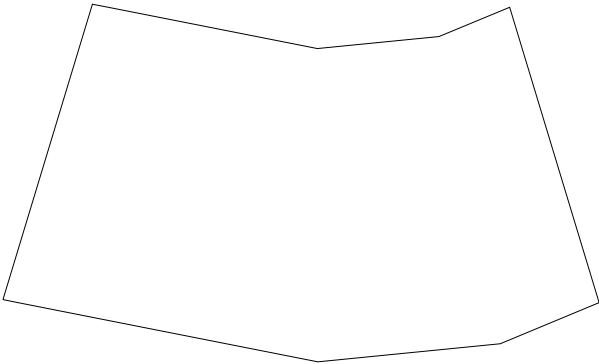
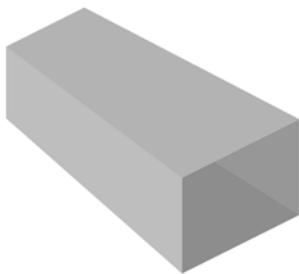
| Dims | | Options | Conn's |
|----------|---------|----------------------------------|---------|
| A=Width | B=Depth | Straight Type=1 Part Straight | C1=None |
| C=Length | | Female Allow=Shortest Side | C2=None |
| | | 1xU,1xI=Shortest Side | C3=None |
| | | Connector Fold Notch=Use Default | C4=None |
| | | 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 UI=Shortest Side | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 973

Rectangular



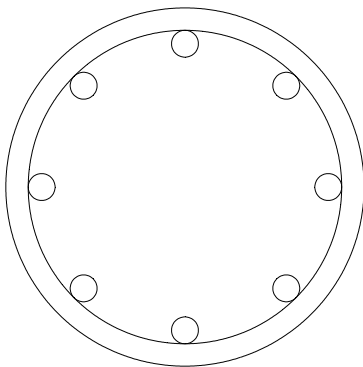
| Dims | Options | Conn's |
|----------------|------------------------------|---------|
| A=Width In | Type=Auto | C1=None |
| B=Depth In | Offset Width=Left In | C2=None |
| C=Width Out | Offset Depth=Bottom Up | |
| D=Depth Out | Vee Notch Depth=Auto | |
| E=Length | Vee Notch Angle=30.000 | |
| F=Offset 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 | |

Seams
S1=None

Damper:

Pattern: 974

Standard



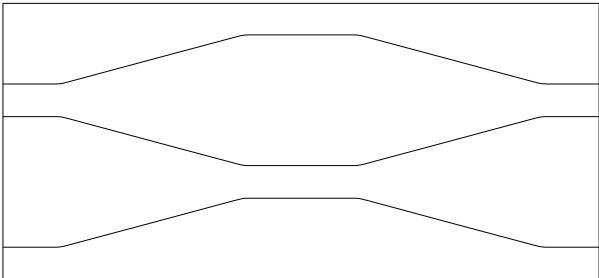
| Dims | Options | Conn's |
|--------------------|---------|--------|
| A=Outside Diameter | Parts=1 | |
| B=Inside Diameter | | |
| C=Hole Diameter | | |
| D=Number Of Holes | | |
| E=Stitch Gap | | |

Seams
S1=None

Damper:

Pattern: 976

Flat Oval



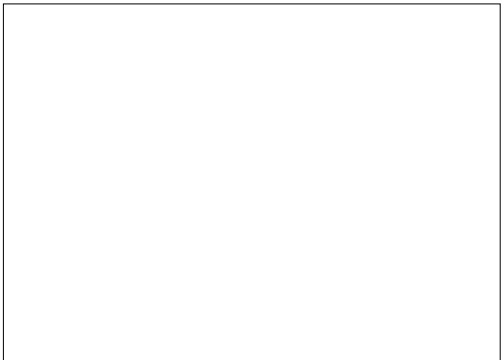
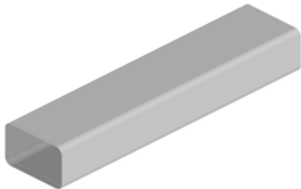
| Dims | Options | Conn's |
|--------------------|-------------------------------|---------|
| A=Width | Number Of Segments=4 | C1=None |
| B=Depth | Diameter Type=Nominal | C2=None |
| C=Inner Radius | Seam Position=Throat | C3=None |
| D=Angle | Single Segments=No | |
| E=Bottom Extension | Nest Break 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 | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 977

Flat Oval



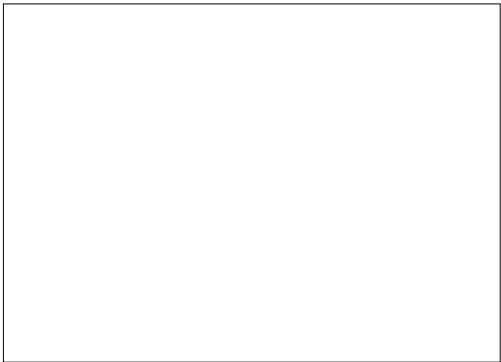
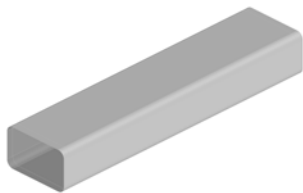
| Dims | Options | Conn's |
|-------------------|-----------------------|---------|
| A=Width | Pipe Parts=1 | C1=None |
| B=Depth | Seam Position=Corner | C2=None |
| C=Length | Diameter Type=Nominal | |
| D=Left Extension | Duct Length=(inch) | |
| E=Right Extension | | |
| F=Corner Radius | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 978

Flat Oval



| Dims | Options | Conn's |
|-------------------|-----------------------|---------|
| A=Width | Pipe Parts=1 | C1=None |
| B=Depth | Seam Position=Corner | C2=None |
| C=Length | Diameter Type=Nominal | |
| D=Left Extension | Duct Length=(inch) | |
| E=Right Extension | | |
| F=Corner Radius | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 979

Electrical



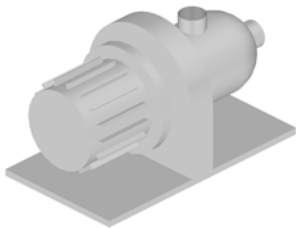
| Dims | Options | Conn's |
|-------------------|--------------|---------|
| A=Width | Type=Left | C1=None |
| B=Depth | Pattern=None | C2=None |
| C=Left Extension | Inlet=1 | |
| D=Right Extension | Outlet=2 | |
| E=Offset Width | | |
| F=Wire Y Spacing | | |
| G=Wire X Spacing | | |

| Seams |
|-------|
|-------|

Damper:

Pattern: 980

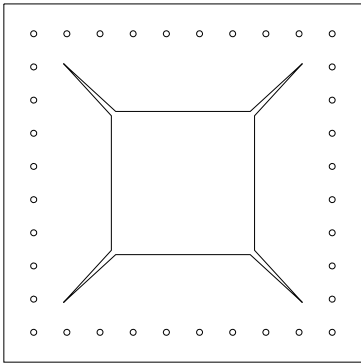
Pipework



| 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 | Motor Flange=Yes | |
| G=Pipe Inset #1 | Number Of Fins=16.000 | |
| H=Pipe Diameter #2 | Fins Shape=Square | |
| I=Pipe Length #2 | Flat Base=No | |
| J=Shaft Diameter | Electric Box=No | |
| K=Shaft Length | | Seams |
| L=Support Diameter | | |
| M=Support Length | | |
| N=Support Extension | | |
| O=Motor Diameter | | |
| P=Motor Length | | |
| Q=Motor Flange Diameter | | Damper: |
| R=Motor Flange Length | | |
| S=Fin Height | | |
| T=Base Width | | |
| U=Base Height | | |
| V=Base Depth | | |

Pattern: 981

Rectangular



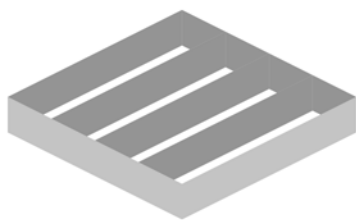
| Dims | Options | Conn's |
|-----------------|----------------------------|---------|
| A=Width #1 | Vee Notch Angle=5.000 | C1=None |
| B=Depth #1 | Specify Holes=By Number Of | C2=None |
| C=Width #2 | Holes Across=10 | |
| D=Depth #2 | Holes Down=10 | |
| E=Flange Length | | |
| F=Flange Angle | | |
| G=Hole Diameter | | |
| H=Holes Inset | | |
| I=Holes Offset | | |

Seams

Damper:

Pattern: 983

Rectangular/Equipment

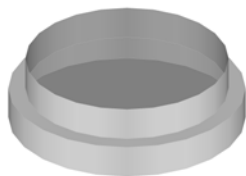


| Dims | Options | Conn's |
|------------------------|-----------------------------|---------|
| A=Width | Type=Supply | C1=None |
| B=Depth | Position From=Edge | C2=None |
| C=Height | Lines=3 | |
| D=Plate Border (Width) | Rotation=0.000 | |
| E=Plate Border (Depth) | Arrows/Lines=None | |
| | Arrows/Lines Sides=0 | |
| | Lines/Circles Spacing=1.000 | |
| | Arrows Direction=Auto | |
| | Circles=No | |
| | Arrows Type=1 | |
| | | Seams |

Damper:

Pattern: 984

Electrical/Equipment



| 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



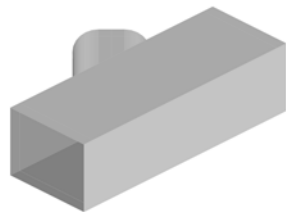
| Dims | Options | Conn's |
|------------------|-------------------------|---------|
| A=Total Length | Strut Shape=Rectangular | C1=None |
| B=Beam Length #1 | Number Of V-Sections=2 | C2=None |
| C=Beam Length #2 | Up Struts=No | C3=None |
| D=Beam Width | Down Struts=No | C4=None |
| E=Upper Inset | Joint Position=Centre | |
| F=Lower Inset | Input=Beam Lengths | |
| G=Beam Height | | |
| 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

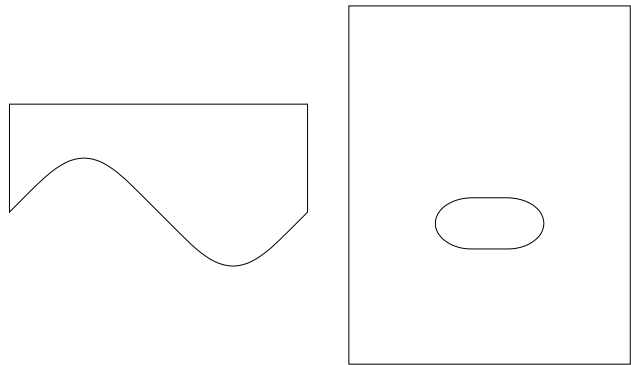


| Dims | Options | Conn's |
|-------------------|----------------------------------|---------|
| A=Width | Pipe Parts=Yes | C1=None |
| B=Depth | Branch Parts=Yes | C2=None |
| C=Length | Branch Diameter Type=Nominal | C3=None |
| D=Left Extension | Straight Type=1 Part Straight | |
| E=Right Extension | 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 | |
| | Branch Rotation=0 | |
| | Branch Allowance To Pipe=0.000 | |

Seams

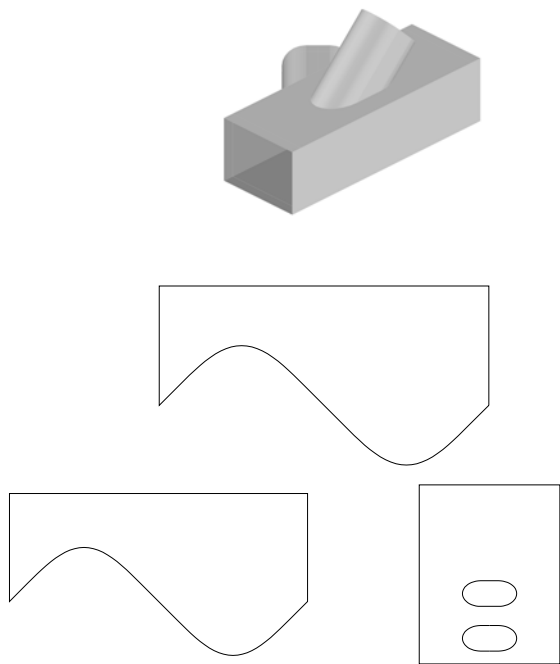
S1=None
S2=None

Damper: None



Pattern: 987

Rectangular



| Dims | Options | Conn's |
|-------------------|----------------------------------|---------|
| A=Width | Pipe Parts=Yes | C1=None |
| B=Depth | Branch Parts=Yes | C2=None |
| C=Length | Branch Diameter Type=Nominal | C3=None |
| D=Left Extension | Straight Type=1 Part Straight | C4=None |
| 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 | |
| M=Branch Width | Branch Rotation=0 | |
| N=Branch Depth | Branch Rotation=90 | |
| O=Branch Length | Branch Allowance To Pipe=0.000 | |
| P=Angle | | |
| Q=Inset | | |
| R=Offset | | |
| S=Extension | | |

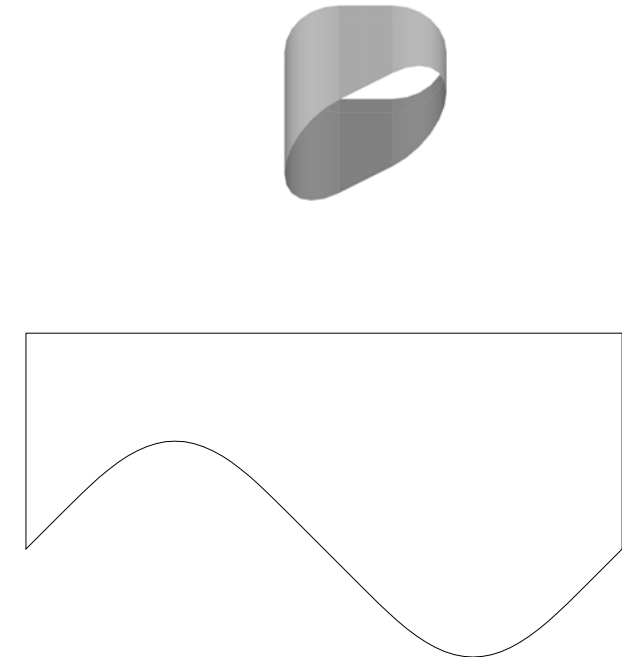
Seams

S1=None
S2=None
S3=None

Damper: None
None

Pattern: 988

Flat Oval



| Dims | Options | Conn's |
|-----------------|--------------------------------|---------|
| A=Branch Width | Branch Diameter Type=Nominal | C1=None |
| B=Branch Depth | Branch Allowance To Pipe=0.000 | C2=None |
| C=Branch Length | | |
| D=Angle | | |
| E=Extension | | |

Seams

S1=None

Damper: None

Pattern: 989

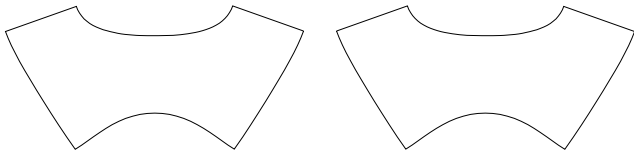
Round



| Dims | Options | Conn's |
|-------------------|------------------------------|---------|
| A=Bottom Diameter | Bottom Diameter Type=Nominal | C1=None |
| B=Left Diameter | Left Diameter Type=Nominal | C2=None |
| C=Right Diameter | Right Diameter Type=Nominal | C3=None |
| D=Left Angle | Seam Position=Top | C4=None |
| 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 | |
| | Develop=Both Cheeks | |
| | Vee Depth Male=Auto | |
| | Vee Angle Male=0 | |
| | Develop Ends=Seam 1 | |
| | 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/Equipment



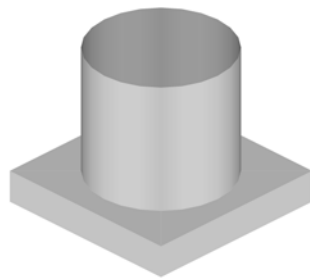
| Dims | Options | Conn's |
|--------------|---------------|---------|
| A=Diameter | Sex Type=Male | C1=None |
| B=Collar | | C2=None |
| C=Length | | |
| D=Offset | | |
| E=Oval Depth | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 996

Rectangular/Round/Equipment



| Dims | Options | Conn's |
|------------------------|-----------------------------|---------|
| A=Width | Type=Supply | C1=None |
| B=Depth | Position From=Edge | C2=None |
| C=Height | Type=Round | C3=None |
| D=Diameter | Rotation=0.000 | C4=None |
| E=Collar | Collar=No | C5=None |
| F=Plate Border (Width) | Arrows/Lines=None | C6=None |
| G=Plate Border (Depth) | Arrows/Lines Sides=0 | C7=None |
| | Lines/Circles Spacing=1.000 | C8=None |
| | Arrows Direction=Auto | |
| | Circles=No | |
| | Arrows Type=1 | |
| | Diffuser Type=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

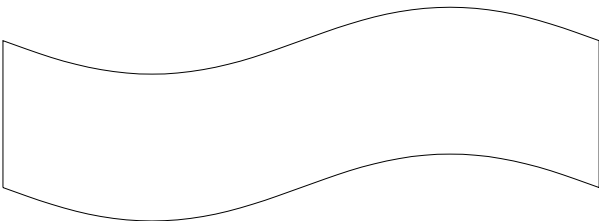
| Dims | Options | Conn's |
|----------------------|---------|---------|
| A=Diameter | | C1=None |
| B=Inner Diameter | | C2=None |
| C=Y Pitch | | |
| D=Number Of Segments | | |
| E=Quantity | | |

Seams

Damper:

Pattern: 1049

Round



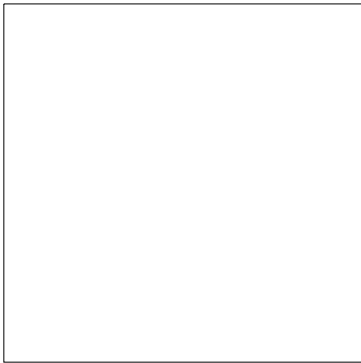
| Dims | Options | Conn's |
|-----------------|--------------------------------|---------|
| A=Diameter | Cross Break=1 | C1=None |
| B=Length | Seam Position=0.000 | C2=None |
| C=Angle | Vertical=No | C3=None |
| D=Body Diameter | Pipework=No | |
| | Adjust=0.000 | |
| | Include=Yes | |
| | Develop X Size For Diameter=No | |
| | Inlet=1 | |
| | Outlet=2 | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 1101

Rectangular/Round/Flat Oval/Standard/Equipment



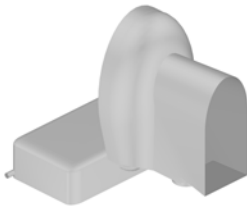
| Dims | Options | Conn's |
|------|--------------------|--------|
| | Inlet=1 | |
| | Outlet=1 | |
| | Pipework=No | |
| | Show Boundaries=No | |
| | Faces=No | |

| Seams |
|-------|
|-------|

Damper:

Pattern: 1102

Pipework



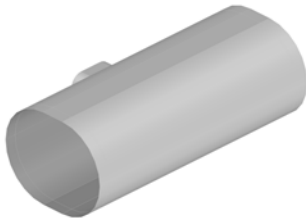
| Dims | Options | Conn's |
|-------------------|---------------------------------|---------|
| A=Base Depth #1 | Input Side=Left | C1=None |
| B=Base Depth #2 | Box Type=Rounded | C2=None |
| C=Front Width #1 | Insertion Point=Box Back Centre | |
| D=Front Width #2 | Output=Back | |
| E=Front Width #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 | | |

Seams

Damper:

Pattern: 1104

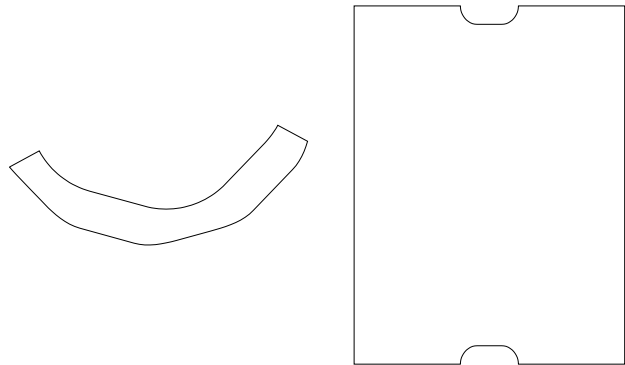
Flat Oval



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Width | Pipe Parts=1 | C1=None |
| B=Depth | Pipe Seam Position=Depth | C2=None |
| C=Pipe Length | Pipe Diameter Type=Nominal | C3=None |
| 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 | Inlet=1 | |
| | Outlet=2 | |

Seams

S1=None
S2=None
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=None |
| B=Left Height | Grip Point=Lower Centre | C2=None |
| C=Right Height | Cut In Height=Centre | C3=None |
| D=Right Height | Origin=Centre | C4=None |
| E=Length | | C5=None |
| F=Left Angle | | C6=None |
| G=Right Angle | | C7=None |

Seams

Damper:

Pattern: 1108

Round/Equipment



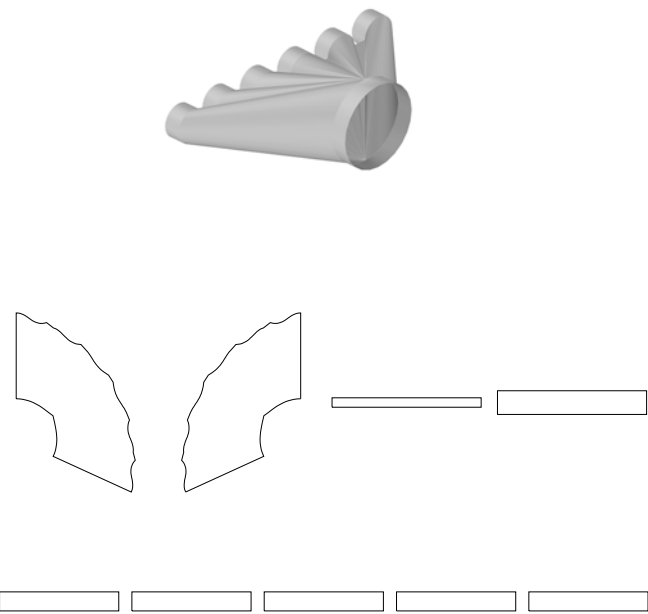
| Dims | Options | Conn's |
|-------------------------------|-----------------------------------|---------|
| A=Diameter | Bend Radius=4.000 | C1=None |
| B=Length | Factor Type=Multiples Of Diameter | C2=None |
| C=Lead Length | Max Length=0.000 | |
| D=Straight 1 Start->Straig... | Number Of Round Sections=12 | |
| E=Straight 1 Start->Bend ... | Length=Auto | |
| F=Bend 1 X Angle | Length Adjust=0.000 | |
| G=Bend 1 Y Angle | Number Of Segments=Auto | |
| H=Straight 2 Start->Straig... | Straight Annotation=Up | |
| I=Bend 1 Center->Bend 2 ... | Bend Annotation=Front | |
| J=Bend 2 X Angle | Allowance=Default | |
| K=Bend 2 Y Angle | | |
| L=Straight 3 Start->Straig... | | |
| M=Bend 2 Center->Bend ... | | |
| N=Bend 3 X Angle | | |
| O=Bend 3 Y Angle | | |
| P=Straight 4 Start->Straig... | | |
| Q=Bend 3 Center->Bend ... | | |
| R=Bend 4 X Angle | | |
| S=Bend 4 Y Angle | | |
| T=Straight 5 Start->Straig... | | |
| U=Bend 4 Center->Straig... | | |

Seams

Damper:

Pattern: 1109

Round



| Dims | Options | Conn's |
|-------------------|----------------------------|---------|
| A=Bottom Diameter | Add Collars To Body=No | C1=None |
| B=Left Diameter | Flat Left=No | C2=None |
| C=Right Diameter | Notch Angle For Seam=0.000 | C3=None |
| D=Top Diameter #1 | Slope Angle=0.000 | C4=None |
| E=Top Diameter #2 | Number Of Branches=6 | C5=None |
| F=Top Diameter #3 | | C6=None |
| G=Top Diameter #4 | | C7=None |
| 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/Equipment



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Width #1 | Corners=Rounded | C1=None |
| B=Depth #1 | Inlet=1 | |
| C=Length #1 | Outlet=1 | |
| D=Left Radius #1 | Type=Pipework | |
| E=Right Radius #1 | Circular Diameter Type=Outside | |
| F=Top Radius #1 | Round Lines=Yes | |
| G=Bottom Radius #1 | Open Left=No | |
| H=Front Radius #1 | Open Right=No | |
| I=Back Radius #1 | Open Top=No | |
| J=X Rotation #1 | Open Bottom=No | |
| K=Y Rotation #1 | Open Front=No | |
| L=Z Rotation #1 | Open Back=No | |

| Seams |
|-------|
|-------|

Damper:

Pattern: 1111

Pipework



| Dims | | Options | Conn's |
|-------------------|--|-----------------|---------|
| A=Pipe Diameter | | Width=0.787 | C1=None |
| B=Thickness | | Depth=0.079 | C2=None |
| C=Top Diameter #1 | | Depth=0.394 | C3=None |
| D=Top Length #1 | | Fix Relative=No | C4=None |
| E=Length #1 | | Rotate=No | C5=None |
| F=Length #2 | | Cross=No | C6=None |
| | | Handle=No | |

Seams

Damper:

Pattern: 1112

Round



| Dims | | Options | Conn's |
|------------|----------|---------------|---------|
| A=Diameter | B=Collar | Sex Type=Male | C1=None |
| C=Length | D=Offset | | C2=None |

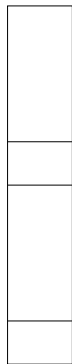
Seams

S1=None

Damper:

Pattern: 1113

Flat Oval



| Dims | Options | Conn's |
|--------------|-------------------|---------|
| A=Diameter | Sex Type=Male | C1=None |
| B=Collar | Marker Notches=No | C2=None |
| C=Length | | |
| D=Offset | | |
| E=Oval Depth | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 1114

Pipework



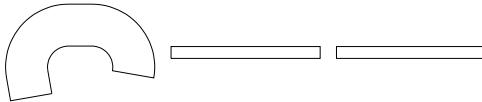
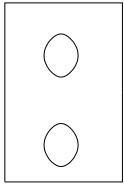
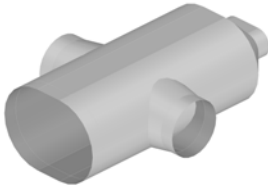
| Dims | Options | Conn's |
|----------------------|------------------------|---------|
| A=Width | Detail=High | C1=None |
| B=Height | Insertion Point=Centre | C2=None |
| C=Depth | Input=Back | |
| D=Input Diameter #1 | Output=Bottom | |
| E=Input Length #1 | | |
| F=Input Offset #1 | | |
| G=Output 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=None |
| B=Minor Axis | Pipe Seam Position=0.000 | C2=None |
| C=Pipe Length | Pipe Diameter Type=Nominal | C3=None |
| D=Left Extension | Hole Adjust=0.000 | C4=None |
| E=Right Extension | Branch Allowance To Pipe=0.000 | C5=None |
| 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 | | |

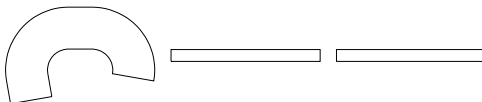
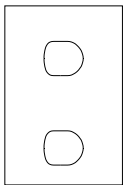
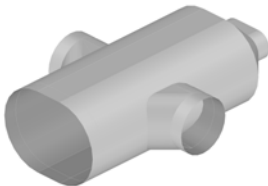
Seams

S1=None
S2=None
S3=None

Damper:

Pattern: 1116

Flat Oval



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Major Axis | Pipe Parts=1 | C1=None |
| B=Minor Axis | Pipe Seam Position=0.000 | C2=None |
| C=Pipe Length | Pipe Diameter Type=Nominal | C3=None |
| D=Left Extension | Hole Adjust=0.000 | C4=None |
| E=Right Extension | Branch Allowance To Pipe=0.000 | C5=None |
| 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 | | |

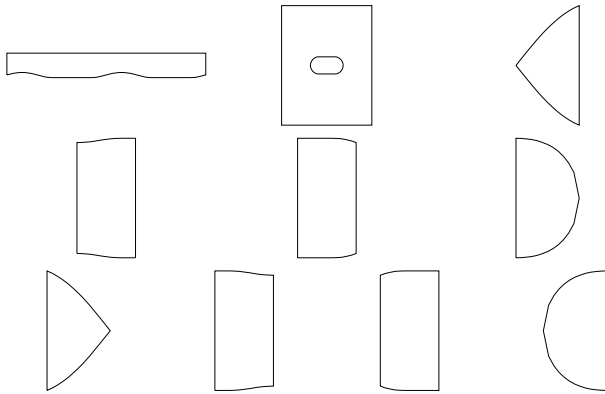
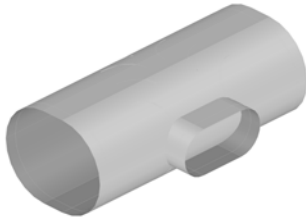
Seams

S1=None
S2=None
S3=None

Damper:

Pattern: 1117

Flat Oval



| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Width | Pipe Parts=1 | C1=None |
| B=Depth | Pipe Seam Position=Depth | C2=None |
| C=Pipe Length | Pipe Diameter Type=Nominal | C3=None |
| 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 | Branch Diameter Type=Nominal | |
| K=Collar | Branch Parts=1 | |
| | Splitters=4 | |
| | Splitter Radius=Auto | |
| | Splitter Adjust=0.000 | |
| | Inlet=1 | |
| | Outlet=2 | |

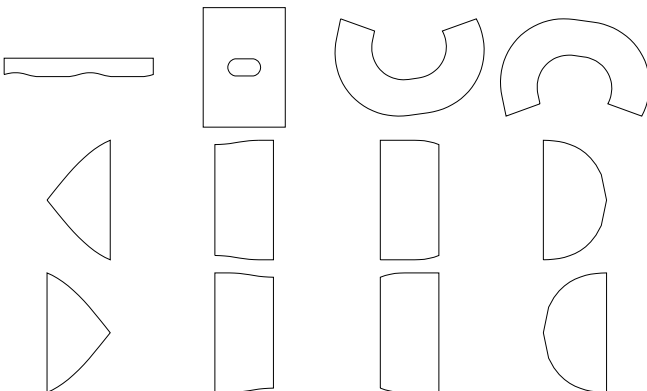
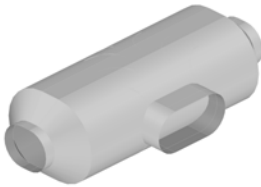
Seams

S1=None
S2=None

Damper:

Pattern: 1118

Flat Oval



| Dims | Options | Conn's |
|------------------------|------------------------------------|---------|
| A=Width | Pipe Parts=1 | C1=None |
| B=Depth | Pipe Seam Position=Depth | C2=None |
| C=Pipe Length | Pipe Diameter Type=Nominal | C3=None |
| D=Left Extension | Hole Adjust=0.000 | C4=None |
| E=Right Extension | Branch Allowance To Pipe=0.000 | C5=None |
| 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 | Branch Diameter Type=Nominal | |
| K=Collar | Branch Parts=1 | |
| L=Left Reducer Width | Splitters=4 | |
| M=Left Reducer Depth | Splitter Radius=Auto | |
| N=Left Reducer Length | Splitter Adjust=0.000 | |
| O=Right Reducer Width | Left Reducer Seam Position=Corner | |
| P=Right Reducer Depth | Left Reducer Parts=1 | |
| Q=Right Reducer Length | Right Reducer Seam Position=Corner | |
| | Right Reducer Parts=1 | |
| | Inlet=1 | |
| | Outlet=2 | |

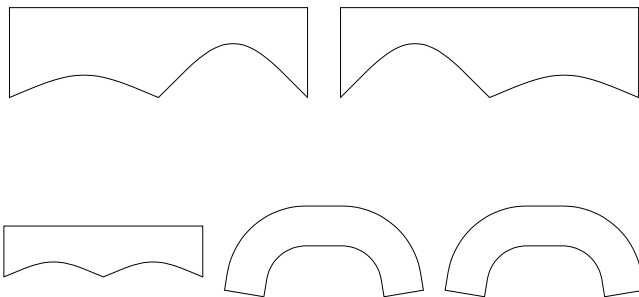
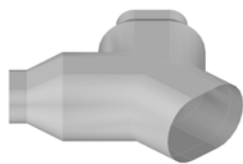
Seams

S1=None
S2=None

Damper:

Pattern: 1119

Flat Oval



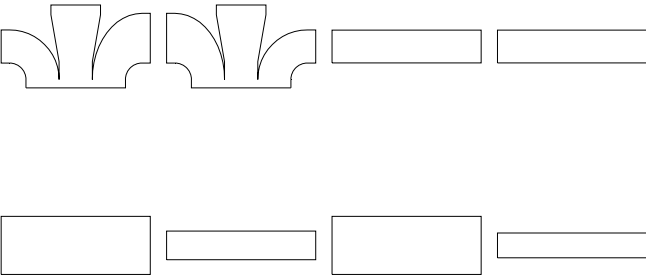
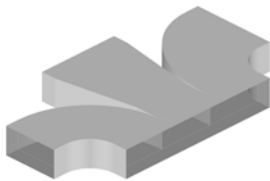
| Dims | Options | Conn's |
|----------------------------|-----------------------|---------|
| A=Width | Diameter Type=Nominal | C1=None |
| B=Depth | | C2=None |
| C=Length In | | C3=None |
| D=Length Out | | C4=None |
| E=Angle | | C5=None |
| F=Bottom Extension | | C6=None |
| G=Left Extension | | |
| 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=None

Damper:

Pattern: 1120

Rectangular/Ductboard



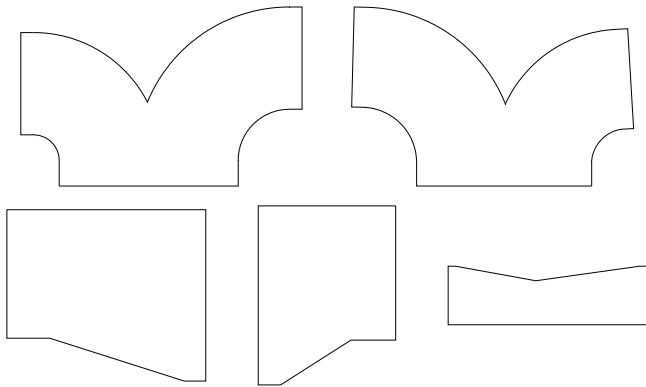
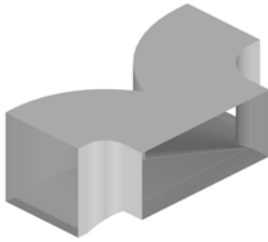
| Dims | Options | Conn's |
|----------------------|-------------------------------------------|---------|
| A=Btm Width | Left Throat=Radius Right Throat=Radius | C1=None |
| B=Depth | | C2=None |
| C=Left Bottom Width | | C3=None |
| D=Right Bottom Width | | C4=None |
| E=Left Width | | |
| F=Top Width | | |
| 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=None

Damper:

Pattern: 1121

Rectangular/Ductboard



| Dims | Options | Conn's |
|-----------------------|--------------------------|---------|
| A=Btm Width | Right Throat Type=Radius | C1=None |
| 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 | Vee Notch Angle=20.000 | |
| H=Left Offset | 2 Part Wrapper=No | |
| I=Height | Right Folds=End Point | |
| J=Right Radius | Left Folds=End Point | |
| K=Left Radius | Inlet=1 | |
| L=Right Angle | Outlet=2 | |
| M=Left Angle | | |
| N=Btm Right Extension | | |
| O=Btm Left Extension | | |
| P=Right Extension | | |
| Q=Left Extension | | |

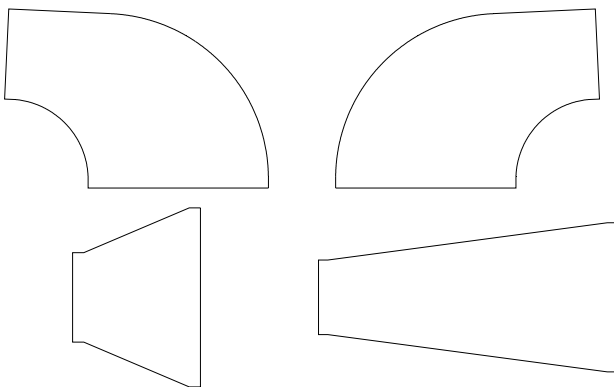
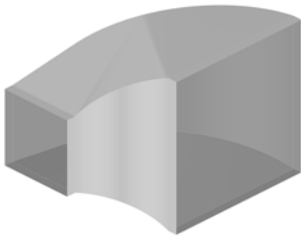
Seams

S1=None
S2=None

Damper:

Pattern: 1122

Rectangular/Ductboard



| Dims | Options | Conn's |
|--------------------|-----------------------------|---------|
| A=Btm Width | Throat Type=Radius | C1=None |
| B=Btm Depth | Vee Depth Male=Auto | C2=None |
| 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 | Splitter Slit Angle=10.000 | |
| | Intersect Splitter Holes=No | |

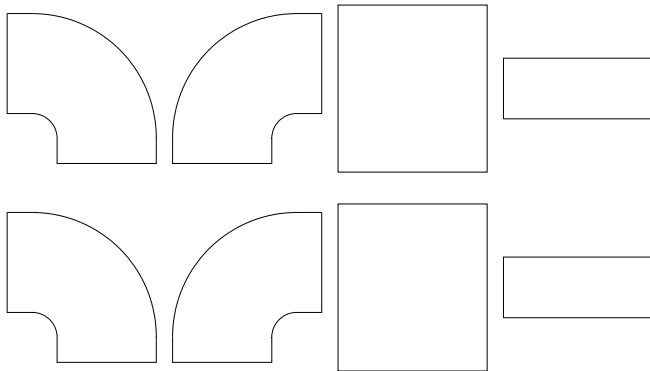
Seams

S1=None

Damper:

Pattern: 1124

Rectangular



| Dims | Options | Conn's |
|-----------------------|--------------------------------|---------|
| A=Btm Width | Same Widths=Yes | C1=None |
| B=Btm Depth | Left Rotation=Left | C2=None |
| C=Left Top Width | Right Rotation=Right | C3=None |
| 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 | Auto Oversize=Normal | |
| M=Gap Width | Seam Number For Throat= | |
| N=C2 Depth | | |
| O=C3 Depth | | |

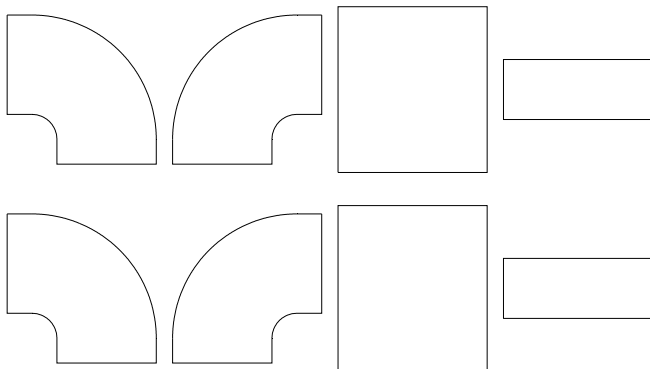
Seams

S1=None
S2=None

Damper:

Pattern: 1125

Rectangular



| Dims | Options | Conn's |
|-----------------------|--------------------------------|---------|
| A=Btm Width | Same Depths=Yes | C1=None |
| B=Btm Depth | Back Rotation=Left | C2=None |
| C=Back Top Width | Front Rotation=Right | C3=None |
| 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 | Auto Oversize=Normal | |
| M=Gap Depth | Seam Number For Throat= | |
| N=C2 Depth | | |
| O=C3 Depth | | |

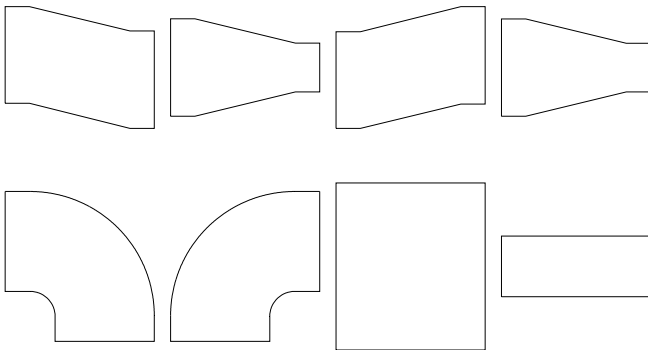
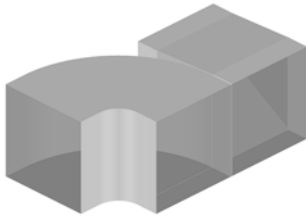
Seams

S1=None
S2=None

Damper:

Pattern: 1126

Rectangular



| Dims | Options | Conn's |
|-----------------------|------------------------|---------------------------------|
| A=Btm Width | Same Widths=Yes | Vee Notch Angle=3... C1=None |
| B=Depth | = Bend Options ===... | Vee Notch Depth If... C2=None |
| C=Bend Top Width | Bend Rotation=Left | Taper Notch If Strai... C3=None |
| 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... | |
| H=Bend Inner Radius | Vee Depth Female=... | |
| I=Bend Angle | Vee Angle Male=30 | |
| J=Taper Extension Out | Vee Angle Female=... | |
| K=Taper Length | Auto Oversize=Nor... | |
| L=Taper Angle | Seam Number For ... | |
| M=Taper Offset Width | = Taper Options ==... | |
| N=Taper Offset Depth | Input=Length | |
| O=Gap Width | 2 Parts=No | |
| P=C2 Depth | 3 Parts=No | |
| Q=C3 Depth | Vee Depth Male=A... | |
| | Vee Depth Female=... | |
| | Vee Notch Angle=20 | |
| | Female Allow=Shor... | |
| | 2-Sided Part Allowa... | |
| | Offset Width=Left In | |
| | Offset Depth=Botto... | |
| | Connector Fold Not... | |
| | Vee Notch Depth=... | |
| | Vee Notch Angle=3... | |
| | Connector Fold Not... | |
| | Vee Notch Depth=... | |

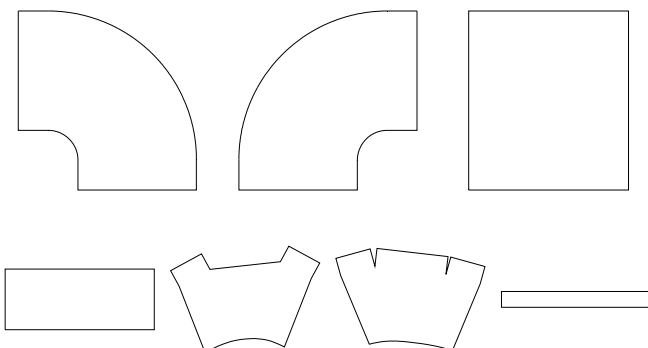
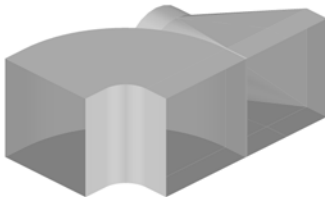
Seams

S1=None
S2=None
S3=None

Damper:

Pattern: 1127

Rectangular



| Dims | Options | Conn's |
|---------------------------|--------------------------------------------|---------|
| A=Btm Width | Same Widths=Yes | C1=None |
| B=Depth | = Bend Options === Bend Options = | C2=None |
| C=Bend Top Width | Bend Rotation=Left | C3=None |
| 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... | Auto Oversize=Normal | |
| L=Square-To-Round Offe... | Seam Number For Throat= | |
| M=Square-To-Round Offs... | = Square To Round Options === Square To... | |
| N=Gap Width | Cross Break=2 | |
| O=C2 Depth | Length Break=1 | |
| | Diameter Type=Nominal | |
| | Seam Position=Width | |
| | Marker Type=Notch | |
| | Input=Length | |
| | Offset Width=Left In | |
| | Offset Depth=Bottom Up | |
| | Inlet=1 | |
| | Outlet=3 | |
| | Fold Notch Depth=Full Allowance | |
| | Use Join Seam=Yes | |

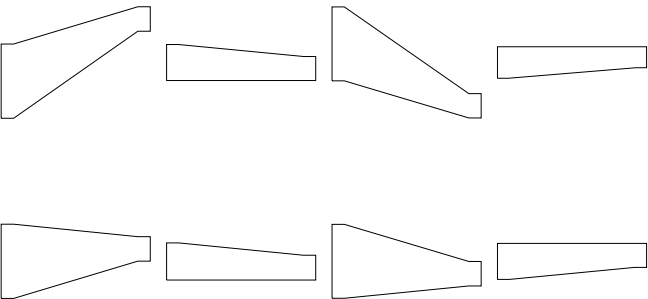
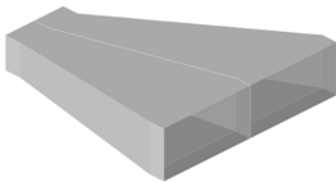
Seams

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

Damper: None

Pattern: 1128

Rectangular



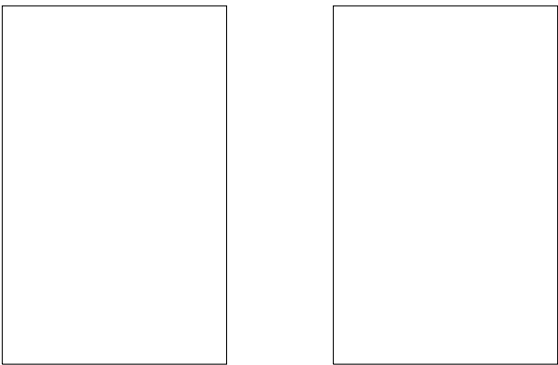
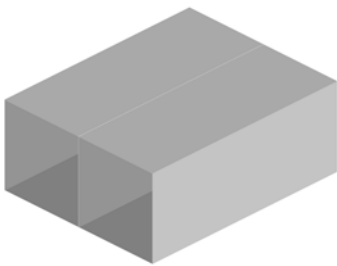
| Dims | Options | Conn's |
|-------------------------|----------------------------------------------|---------|
| A=Btm Width | Same Widths=Yes | C1=None |
| B=Btm Depth | Vertical Center=No | C2=None |
| C=Top Width | Input=Length | |
| D=Top Depth | 2 Parts=No | |
| E=Bottom Extension | 3 Parts=No | |
| 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 | |
| | Width To Depth Ratio=Always Two Parts | |

| Seams |
|---------|
| S1=None |
| S2=None |
| S3=None |

Damper:

Pattern: 1129

Rectangular



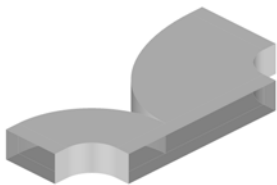
| Dims | Options | Conn's |
|-------------|---------------------------------------|---------|
| A=Width | Same Widths=Yes | C1=None |
| B=Depth | Connector Fold Notch=Use Default | C2=None |
| C=Length | Vee Notch Depth=Auto | |
| D=Gap Width | Vee Notch Angle=30.000 | |
| | Connector Fold Notch=Use Default | |
| | Vee Notch Depth=Auto | |
| | Vee Notch Angle=30.000 | |
| | Override=None | |
| | Width To Depth Ratio=Always Two Parts | |

| Seams |
|---------|
| S1=None |
| S2=None |
| S3=None |

Damper:

Pattern: 1130

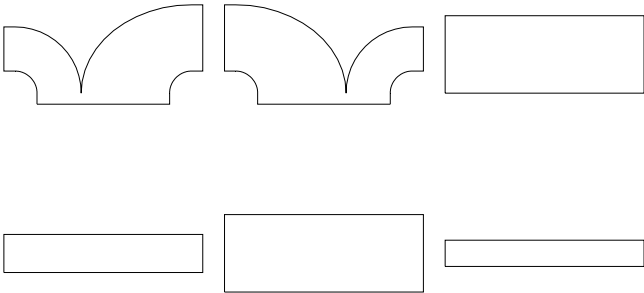
Rectangular/Ductboard



| Dims | Options | Conn's |
|---------------------|---------------------|---------|
| A=Btm Width | Left Throat=Radius | C1=None |
| B=Depth | Right Throat=Radius | C2=None |
| C=Left Bottom Width | | C3=None |
| D=Left Width | | C4=None |
| E=Right Width | | |
| F=Bottom Extension | | |
| G=Left Extension | | |
| H=Right Extension | | |
| I=Left Radius | | |
| J=Right Radius | | |

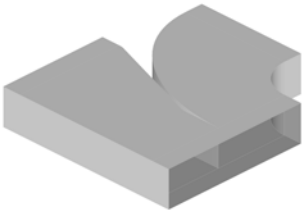
Seams
S1=None

Damper:



Pattern: 1131

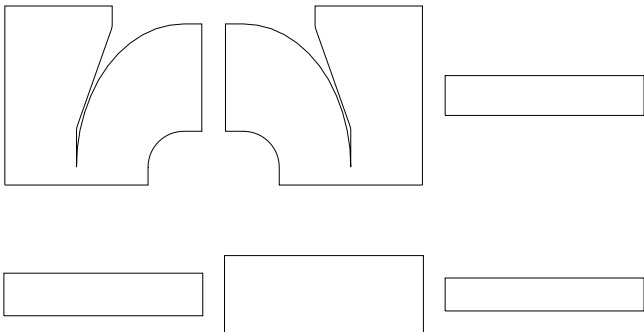
Rectangular/Ductboard



| Dims | Options | Conn's |
|----------------------|---------------------|---------|
| A=Btm Width | Right Throat=Radius | C1=None |
| B=Depth | | C2=None |
| C=Right Bottom Width | | C3=None |
| D=Top Width | | C4=None |
| 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 | | |

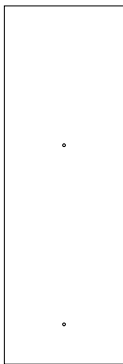
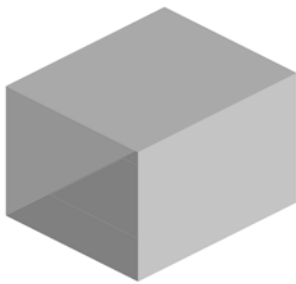
Seams
S1=None

Damper:



Pattern: 1133

Rectangular



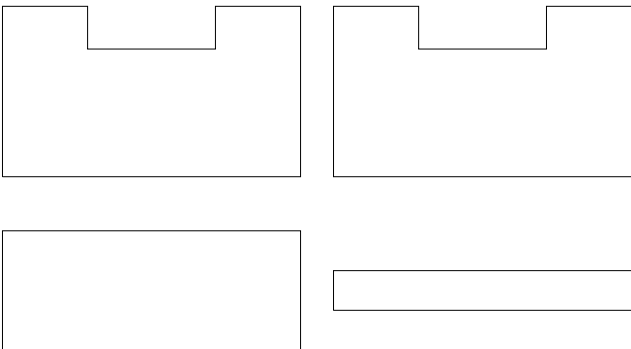
| Dims | Options | Conn's |
|--------------------------|----------------------------------|---------|
| A=Width | Straight Type=1 Part Straight | C1=None |
| B=Depth | Female Allow=Shortest Side | C2=None |
| C=Length | 1xU,1xI=Shortest Side | |
| D=Damper Thickness | Connector Fold Notch=Use Default | |
| E=Damper Clearance | Vee Notch Depth=Auto | |
| F=Damper Center Diameter | Vee Notch Angle=30.000 | |
| G=Damper Angle | Connector Fold Notch=Use Default | |
| H=Damper Inset | Vee Notch Depth=Auto | |
| I=Handle Width | Vee Notch Angle=30.000 | |
| J=Handle Depth | Override=None | |
| K=Handle Length | Beading=No | |
| | Damper Type=Angled | |
| | Damper Direction=Vertical | |
| | Handle Type=Manual | |
| | Handle Side=Top | |

Seams
S1=None

Damper:

Pattern: 1134

Rectangular



| Dims | Options | Conn's |
|----------------|--------------------------------|---------|
| A=Left Width | Wrap Parts=1 | C1=None |
| B=Middle Width | Inner Wrap Length Adjust=0.000 | C2=None |
| 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 | |

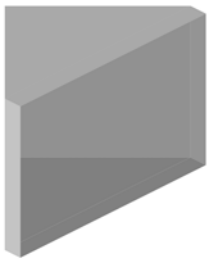
Seams
S1=None
S2=None
S3=None

Damper:

Pattern: 1136

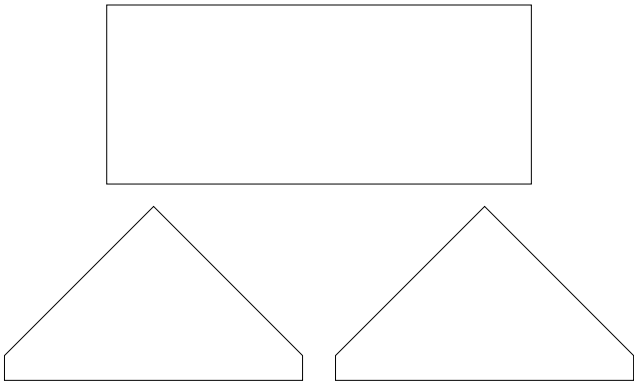
Rectangular/Ductboard

| Dims | | Options | Conn's |
|-------------|---------|-------------|---------|
| A=Width | B=Depth | Input=Angle | C1=None |
| C=Height | D=Angle | | |
| E=Extension | F=Depth | | |



| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



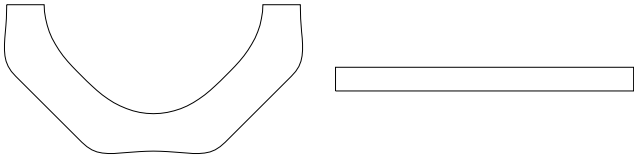
Pattern: 1137

Round

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

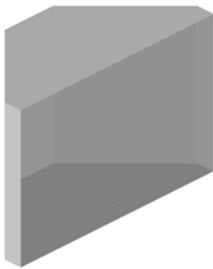
| Seams |
|---------|
| S1=None |
| S2=None |

Damper: None
None
None



Pattern: 1138

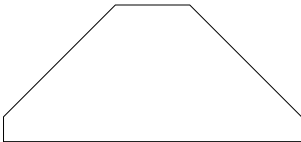
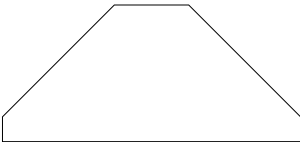
Rectangular/Ductboard



| Dims | Options | Conn's |
|-------------|-------------|---------|
| A=Btm Width | Input=Angle | C1=None |
| B=Depth | | |
| C=Top Width | | |
| D=Height | | |
| E=Angle | | |
| F=Extension | | |
| G=Depth | | |

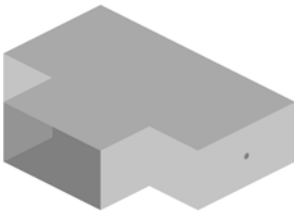
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 1139

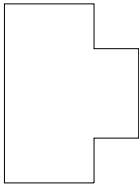
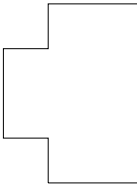
Rectangular



| Dims | Options | Conn's |
|--------------------|-----------------------|---------|
| A=Top Width | Vee Depth Male=Auto | C1=None |
| B=Depth | Vee Depth Female=Auto | C2=None |
| 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 | | |

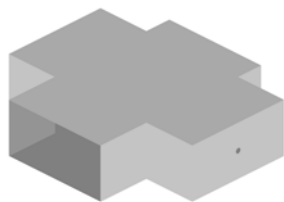
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 1140

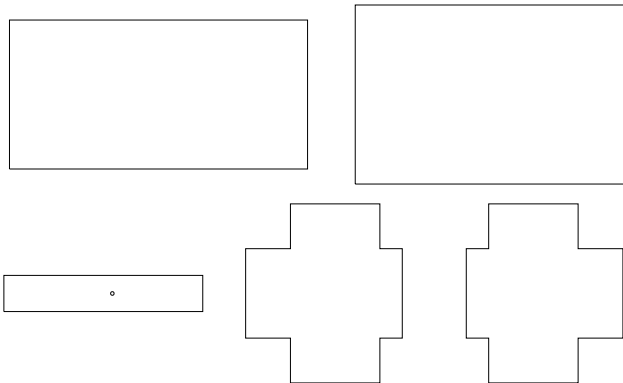
Rectangular



| Dims | Options | Conn's |
|--------------------|-----------------------|---------|
| A=Top Width | Vee Depth Male=Auto | C1=None |
| B=Depth | Vee Depth Female=Auto | C2=None |
| C=Left Width | Vee Angle Male=30 | C3=None |
| 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 | | |

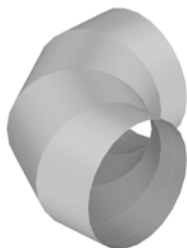
| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 1141

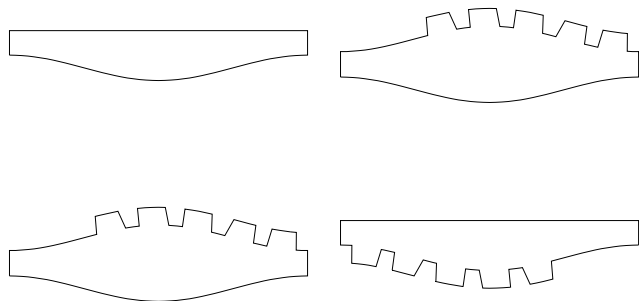
Round



| Dims | Options | Conn's |
|--------------------|-------------------------------|---------|
| A=Diameter | Number Of Segments=4 | C1=None |
| B=Inner Radius | Seam Position=0.000 | C2=None |
| C=Angle | Cross Break=1 | C3=None |
| D=Bottom Extension | Diameter Type=Nominal | |
| E=Top Extension | Notch Angle For Seam=0 | |
| | Marker Type=Notch | |
| | Diameter Reduction=0.000 | |
| | Marker Depth=Default | |
| | Mark Sides=No | |
| | Leg Lengths=No | |
| | Fixing Holes On Extension=Yes | |
| | 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 | |

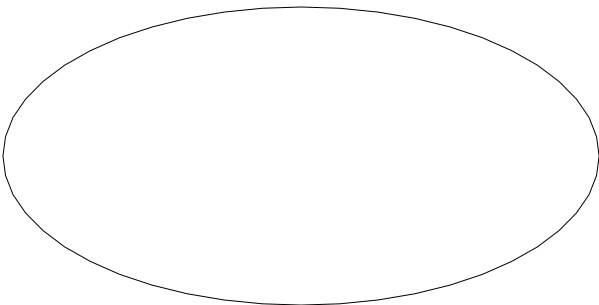
| Seams |
|---------|
| S1=None |

Damper: None
None



Pattern: 1142

Standard



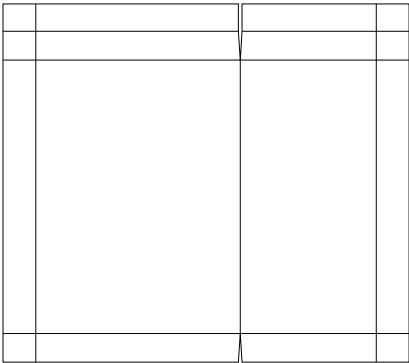
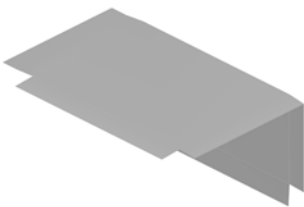
| Dims | Options | Conn's |
|--------------|------------------------------------|--------|
| A=Major Axis | View Number Of Segments=Default | |
| B=Minor Axis | Develop Number Of Segments=Default | |

Seams

Damper:

Pattern: 1143

Rectangular/Standard



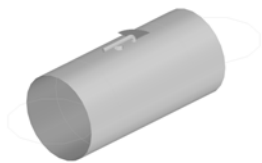
| Dims | Options | Conn's |
|------------------------|------------------------------|---------|
| A=Left | Top Folds=2 | C1=None |
| B=Depth | Bottom Folds=1 | |
| C=Top Extension #1 | Left Folds=1 | |
| D=Top Fold Angle #1 | Right Folds=1 | |
| E=Top Extension #2 | Notch= | |
| F=Top Fold Angle #2 | Notch= | |
| G=Bottom Extension #1 | Notch= | |
| H=Bottom Fold Angle #1 | Notch= | |
| I=Left Extension #1 | Attach= | |
| J=Left Fold Angle #1 | Attacher Side=Left and Right | |
| K=Right Extension #1 | Attacher Extension=Front | |
| 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/Equipment



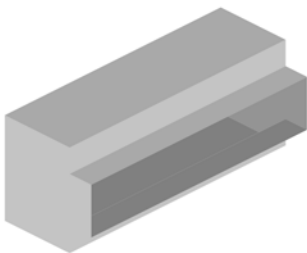
| Dims | Options | Conn's |
|--------------------|----------------|---------|
| A=Diameter | Type=Manual | C1=None |
| B=Length | Position=0.000 | C2=None |
| C=Left Collar | Plate=No | |
| D=Right Collar | | |
| E=Total Length | | |
| F=Handle Length #1 | | |
| G=Handle Length #2 | | |
| H=Handle Inset | | |

Seams

Damper:

Pattern: 1145

Rectangular/Ductboard



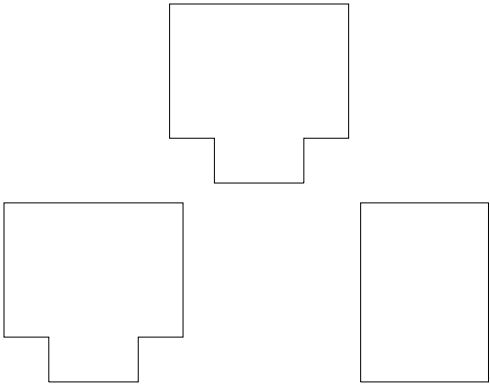
| Dims | Options | Conn's |
|-----------------|-----------------------------|---------|
| A=Top Width | 3 Part Wrap=No | C1=None |
| B=Btm Width | Connector Allowance=4 Sides | |
| C=Top Height | | |
| D=Bottom Height | | |
| E=Length | | |
| F=Offset | | |

Seams

S1=None

S2=None

Damper:



Pattern: 1146

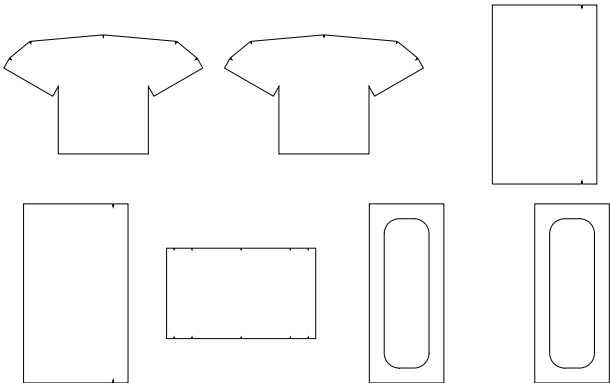
Rectangular



| Dims | Options | Conn's |
|--------------------|-------------------------|---------|
| A=Width In | Frame=Yes | C1=None |
| B=Depth | Vee Depth Male=0.400 | C2=None |
| C=Width Out | Vee Angle Male=30.000 | C3=None |
| D=Angle Out | Vee Depth Female=0.400 | |
| E=Length #1 | Vee Angle Female=30.000 | |
| F=Length #2 | Seam Angle=45.000 | |
| G=Slope Angle | | |
| H=Bottom Extension | | |
| I=Extension Out | | |
| J=Frame Width | | |
| K=Frame Depth | | |
| L=Frame Radius | | |
| M=Frame Mitre | | |

Seams
S1=None

Damper:



Pattern: 1147

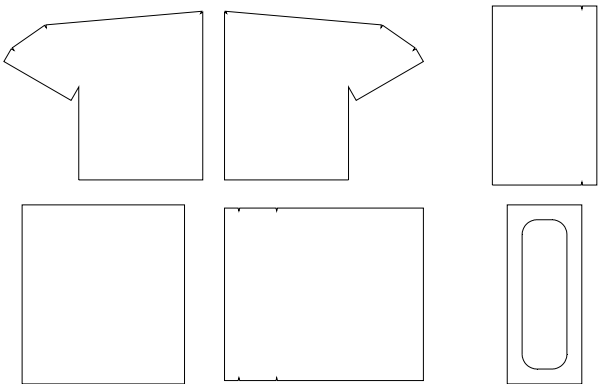
Rectangular



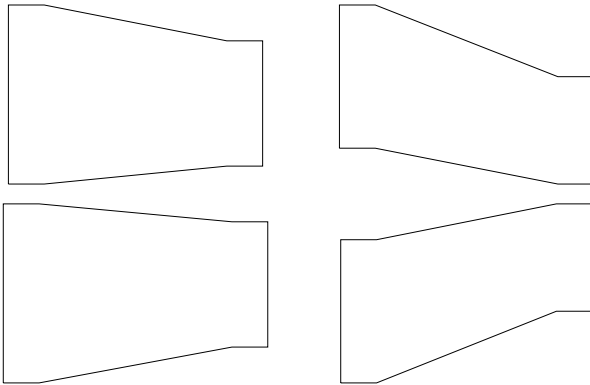
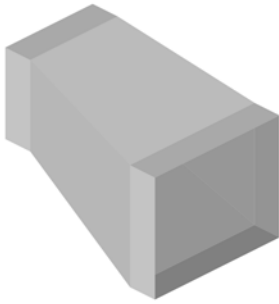
| Dims | Options | Conn's |
|--------------------|-------------------------|---------|
| A=Width In | Frame=Yes | C1=None |
| B=Depth | Vee Depth Male=0.400 | C2=None |
| C=Width Out | Vee Angle Male=30.000 | C3=None |
| D=Angle Out | Vee Depth Female=0.400 | |
| E=Length #1 | Vee Angle Female=30.000 | |
| F=Length #2 | Seam Angle=45.000 | |
| G=Slope Angle | | |
| H=Bottom Extension | | |
| I=Extension Out | | |
| J=Frame Width | | |
| K=Frame Depth | | |
| L=Frame Radius | | |
| M=Frame Mitre | | |

Seams
S1=None

Damper:

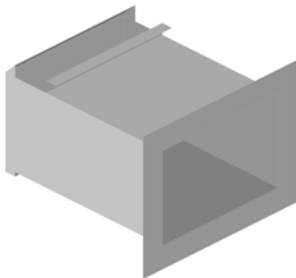


Rectangular



| Dims | Options | Conn's |
|-----------------|-------------------------|--------------------------------|
| A=Width In | 2 Parts=No | Fixing Holes on Tur... C1=None |
| B=Depth In | 3 Parts=No | Seam Cut Back=0.0... C2=None |
| C=Width Out | Vee Depth Male=A... | |
| D=Depth Out | Vee Depth Female=... | |
| E=Length | Vee Notch Angle=2... | |
| F=Extension In | Taper Notch If Strai... | |
| G=Extension Out | Female Allow=Shor... | |
| H=Offset Width | 2-Sided Part Allowa... | |
| I=Offset Depth | Offset Width=Left In | |
| J=Angle | Offset Depth=Botto... | |
| K=Extension In | Taper Notch If Strai... | Seams |
| L=Extension Out | Use Taper Notch F... | S1=None |
| | Connector Fold Not... | |
| | Vee Notch Depth=... | |
| | Vee Notch Angle=3... | |
| | Input=Length | Damper: |
| | Vee Notch Depth If... | |
| | Maximum Angle=1... | |
| | Splitter Turnover=0... | |
| | Splitter Extension=... | |
| | Splitter Adjust=0.000 | |
| | Connector Fold Not... | |
| | Vee Notch Depth=... | |
| | Vee Notch Angle=3... | |
| | Splitter Hole Diamo... | |
| | Number Of Holes=... | |
| | Splitters=Half | |
| | Hole Inset=0.000 | |

Rectangular



| Dims | Options | Conn's |
|--------------------|-------------------------|---------|
| A=Width | Vee Depth Male=0.400 | C1=None |
| B=Depth | Vee Angle Male=30.000 | C2=None |
| 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 | | |

Pattern: 1150

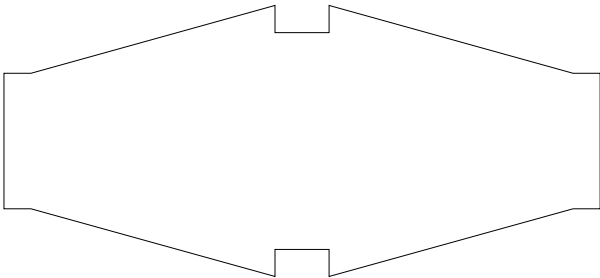
Standard

| 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 |

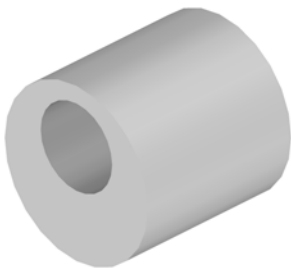
Damper:



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 | X Rotation=0.000 | |
| D=Angle | | |
| E=Radius #1 | | |
| F=Radius #2 | | |
| G=Straight | | |
| H=Depth | | |
| I=Thickness | | |
| J=Total Width | | |
| K=Total Height | | |
| L=Inner Angle | | |

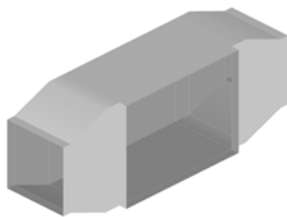
Seams

S1=None

Damper:

Pattern: 1153

Rectangular/Ductboard



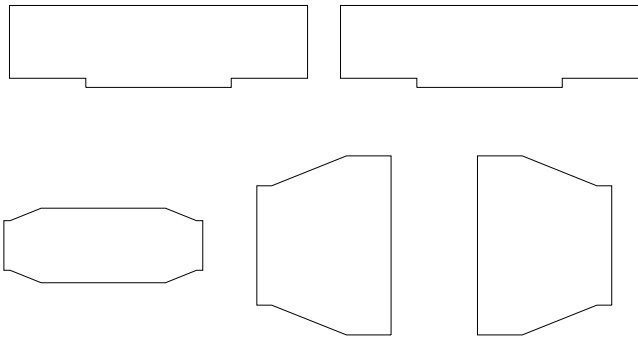
| Dims | Options | Conn's |
|-----------------------|-------------------|---------|
| A=Btm Width | 2 Part Wrapper=No | C1=None |
| B=Btm Depth | | C2=None |
| C=Left Width Out | | C3=None |
| D=Left Depth | | |
| E=Right Width Out | | |
| F=Right Depth | | |
| G=Left Height | | |
| H=Right Height | | |
| 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 | | |

Seams

S1=None

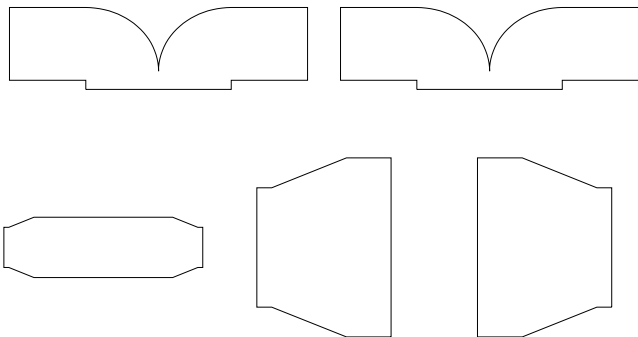
S2=None

Damper:



Pattern: 1154

Rectangular/Ductboard



| Dims | Options | Conn's |
|-----------------------|-------------------|---------|
| A=Btm Width | 2 Part Wrapper=No | C1=None |
| B=Btm Depth | | C2=None |
| C=Left Width In | | C3=None |
| 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 | | |

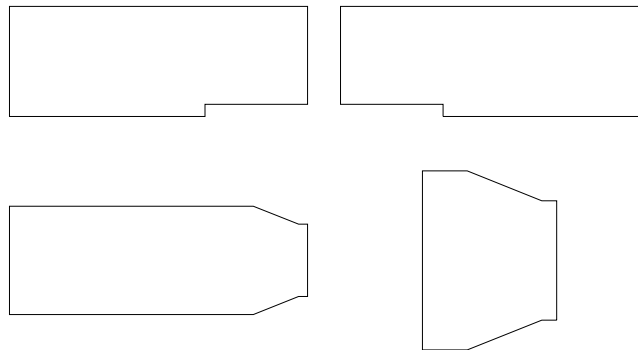
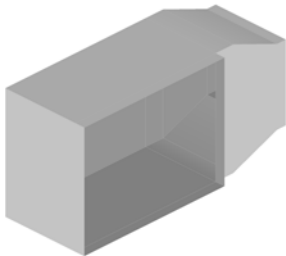
Seams

S1=None
S2=None

Damper:

Pattern: 1155

Rectangular/Ductboard



| Dims | Options | Conn's |
|-----------------------|-------------------|---------|
| A=Btm Width | Heel=Square | C1=None |
| B=Btm Depth | 2 Part Wrapper=No | C2=None |
| 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 | | |

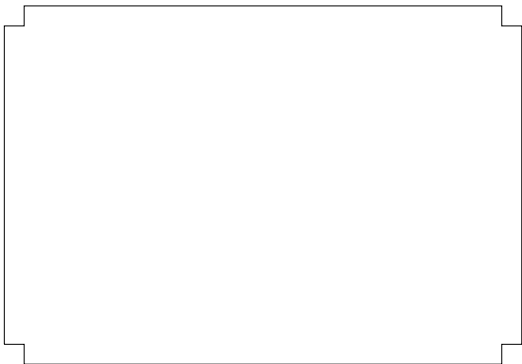
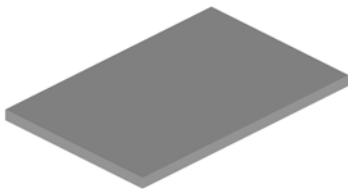
Seams

S1=None
S2=None

Damper:

Pattern: 1156

Structure



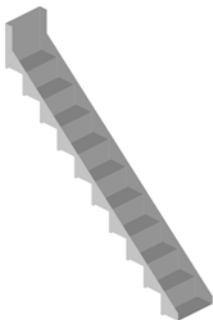
| Dims | | Options | Conn's |
|------------|---------|--------------------------|---------|
| A=Width | B=Depth | Duct Adjust=0.000 | C1=None |
| C=Turnover | | Add Allowance To Body=No | C2=None |
| | | Mirror Shape=Yes | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 1157

Structure



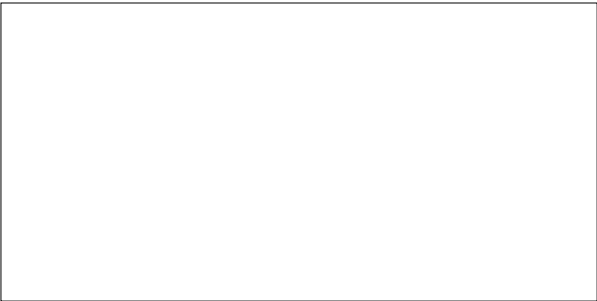
| Dims | | Options | Conn's |
|------------------|--|------------------------------|---------|
| A=Width | | Input=Total Size | C1=None |
| B=Depth | | Number Of Steps=10.000 | C2=None |
| C=Height | | Sides=Support | C3=None |
| D=Step Depth | | Rotation=Forward | |
| E=Step Height | | Insertion Point=Bottom 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 | | Cut In Height=Centre | C2=None |
| C=Length | | Profile= | C3=None |
| D=Thickness | | | C4=None |
| | | | C5=None |
| | | | C6=None |
| | | | C7=None |

Seams

Damper:

Pattern: 1159

Rectangular



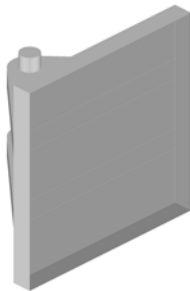
| Dims | | Options | Conn's |
|-------------|-------------|------------------------------|---------|
| A=Width | B=Height | Lines Input=Spacing | C1=None |
| C=X Spacing | D=Y Spacing | X Visible (0.0 to 1.0)=0.250 | |
| | | Y Visible (0.0 to 1.0)=0.250 | |
| | | Internal Lines=No | |

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=None |
| B=Pipe Length | Type=Single | C2=None |
| C=Plate Width | Show Pipe=Yes | C3=None |
| D=Plate Depth | Curved=No | |
| E=Plate Height | | |
| F=Plate Diameter | | |
| 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=None |
| B=Pipe Length | Shape=Round | C2=None |
| C=Left Diameter | Type=Single | |
| D=Left Length | Shape=Round | |
| E=Plate Width #1 | Type=Single | |
| F=Plate Depth #1 | | |
| 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=None |
| B=Inner Radius | Seam Position=0.000 | C2=None |
| C=Angle | Cross Break=1 | C3=None |
| 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 | |
| | Input Top Extension=Top Length | |

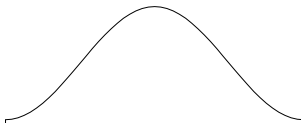
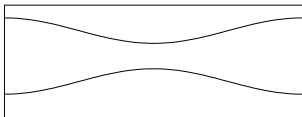
Seams

S1=None

S2=None

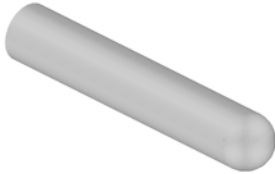
Damper: None

None



Pattern: 1164

Structure



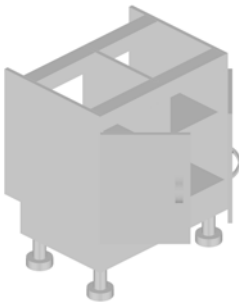
| Dims | Options | Conn's |
|-------------------|-------------|---------|
| A=Diameter | Mark End=No | C1=None |
| B=Length #1 | Mark End=No | C2=None |
| C=First Angle #1 | | |
| D=Second Angle #1 | | |
| E=Length #2 | | |
| F=First Angle #2 | | |
| G=Second Angle #2 | | |

Seams

Damper:

Pattern: 1165

Furniture



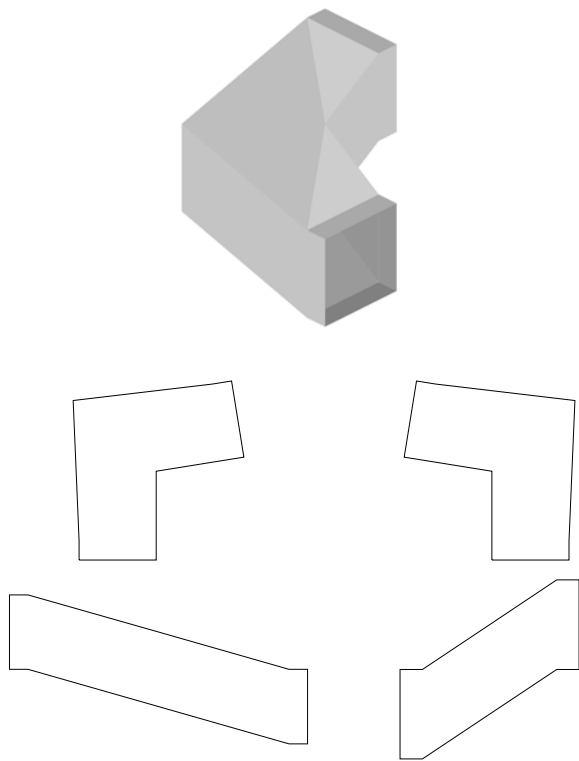
| Dims | Options | Conn's |
|-----------------------|---------------------------|--------|
| A=Width | Front=Doors | |
| B=Height | Top=Bar | |
| C=Depth | Back=Bar | |
| D=Back Depth | Left=Yes | |
| E=Front Left Width | Right=Yes | |
| F=Front Right Width | Legs=Yes | |
| G=Front Bar Width | Doors=Double | |
| 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 | Handle Size=Auto | |
| L=Top Bar Height | Handle Position=Centre | |
| M=Back Bar Height | Doors=Outside | |
| N=Back Bar Depth | Bottom Front=No | |
| O=Back Bar Inset | Bottom Left=No | |
| P=Back Bar Offset | Bottom Right=No | |
| Q=Sides Thickness | Door=Yes | |
| R=Shelves Thickness | Door=Yes | |
| S=Shelves Inset | | |
| 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



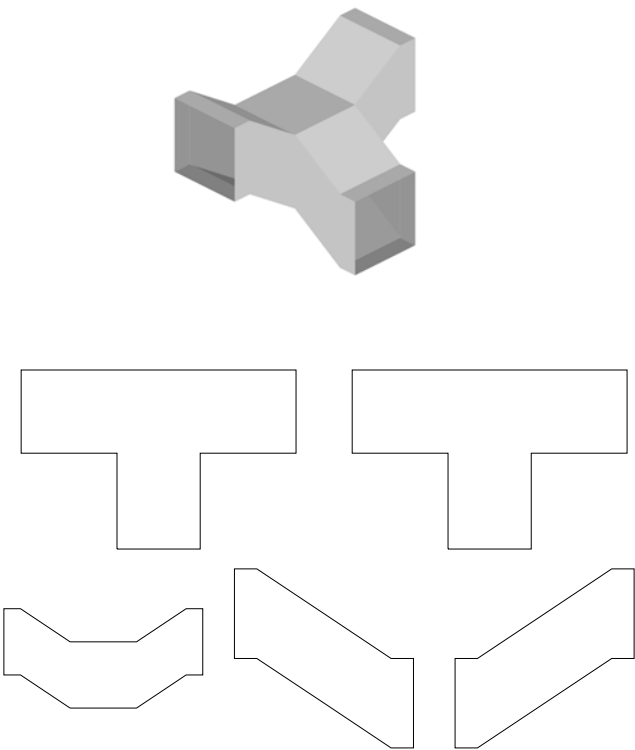
| Dims | Options | Conn's |
|--------------------|------------------------|---------|
| A=Btm Width | Type=Normal | C1=None |
| B=Btm Depth | Angled Ends=No | C2=None |
| C=Right Width | Wrap Parts=1 | |
| D=Right Depth | Vee Depth Male=Auto | |
| E=Bottom Length | Vee Depth Female=Auto | |
| F=Right 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=None |

Damper:

Pattern: 1167

Rectangular



| Dims | Options | Conn's |
|--------------------|-----------------------|---------|
| A=Btm Width | Type=Normal | C1=None |
| B=Btm Depth | Sides Same=Yes | C2=None |
| C=Left Width | Angled Ends=No | C3=None |
| 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=None |

Damper:

Pattern: 1168

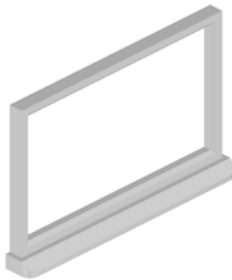
Pipework



| 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 | Tap Type=Default | C6=None |
| G=Width #1 | Tap Compartment=2 | C7=None |
| H=Depth #1 | | C8=None |
| I=Height #1 | | C9=None |
| J=Front Inset #1 | | C10=None |
| K=Back Inset #1 | | Seams |
| L=Left Inset #1 | | |
| M=Right Inset #1 | | |
| N=Output Diameter #1 | | |
| O=Output Length #1 | | |
| P=Output Inset #1 | | |
| Q=Output Offset #1 | | Damper: |
| R=Width #2 | | |
| 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 | | |

Pattern: 1169

Structure

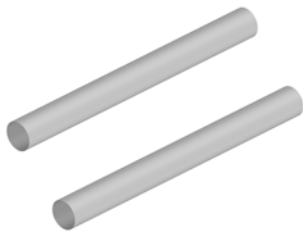


| Dims | Options | Conn's |
|-----------------------|--------------------------|---------|
| A=Window Width | Horizontal Windows=1 | C1=None |
| B=Window Height | Vertical Windows=1 | |
| C=Window Depth | Open Direction="Outward" | |
| D=Outer Thickness | Sill Corner=Radius | |
| E=Outer Mitre | Open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

Damper:

Pattern: 1170

Structure



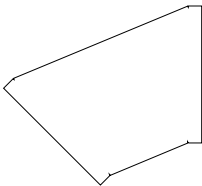
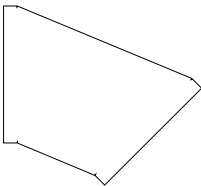
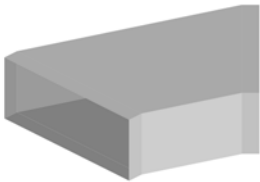
| Dims | Options | Conn's |
|---------------|----------------------------------|---------|
| A=Diameter #1 | Inserts Input=Both Insets | C1=None |
| B=Diameter #1 | Main Lengths=From End | C2=None |
| C=Length #1 | Main Angled Ends=No | C3=None |
| D=Diameter #2 | Inserts Allowance To Mains=0.000 | C4=None |
| E=Diameter #2 | | |
| F=Length #2 | | |
| G=Offset #2 | | |
| H=Offset #2 | | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 1171

Rectangular



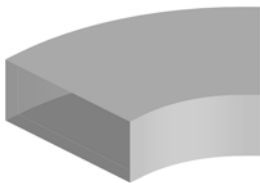
| Dims | Options | Conn's |
|-------------------|---------------------------------------|---------|
| A=Left Width | Input=Angle And Inner & Right Lengths | C1=None |
| B=Depth | Type=Straight | C2=None |
| C=Right Width | Vee Depth Male=0.400 | |
| D=Inner Length | Vee Angle Male=30.000 | |
| E=Outer 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=None |

Damper:

Pattern: 1172

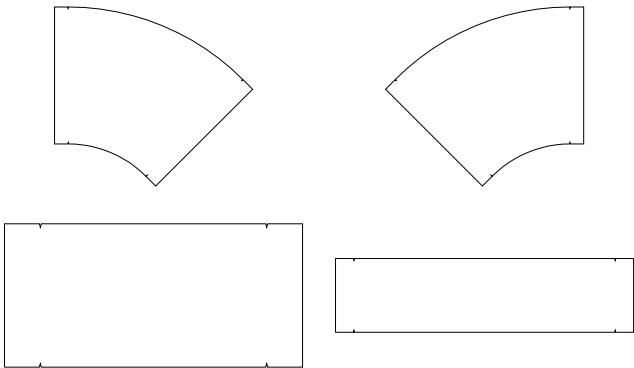
Rectangular



| Dims | Options | Conn's |
|-------------------|---------------------------------------|---------|
| A=Left Width | Input=Angle And Inner & Right Lengths | C1=None |
| B=Depth | Type=Radius | C2=None |
| 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 | | |

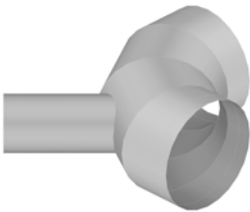
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 1173

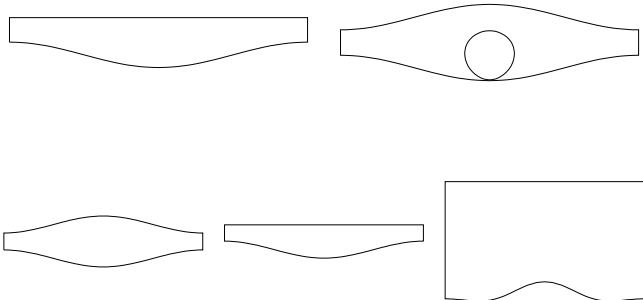
Round



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Diameter | Number Of Segments=4 | C1=None |
| B=Inner Radius | Seam Position=0.000 | C2=None |
| C=Angle | Pipe Diameter Type=Nominal | C3=None |
| D=Bottom Extension | Branch Diameter Type=Nominal | C4=None |
| E=Top Extension | Marker Type=Notch | |
| F=Branch Diameter | Branch Allowance To Pipe=0.000 | |
| G=Branch Length | | |
| H=Branch Angle | | |
| I=Branch Extension | | |
| J=Branch Inset | | |
| K=Branch Offset | | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 1174

Structure



| Dims | Options | Conn's |
|-------------------|--------------|---------|
| A=Width | Inner=Radius | C1=None |
| B=Height | Outer=Radius | C2=None |
| C=Outer Extension | | |
| D=Inner Radius | | |
| E=Angle | | |

Seams

Damper:

Pattern: 1175

Round/Standard/Equipment

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

Seams

Damper:

Pattern: 1176

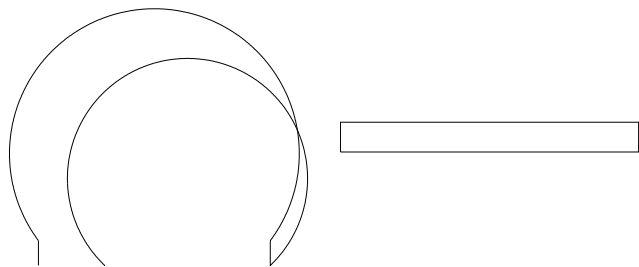
Structure



| 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 | | |

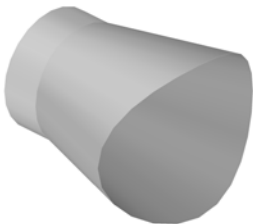
Seams

Damper:



Pattern: 1177

Round

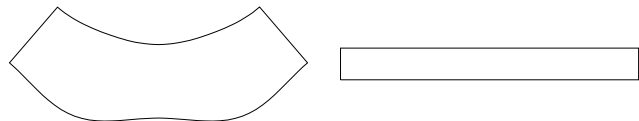


| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Pipe Diameter | Branch Parts=1 | C1=None |
| B=Branch Diameter | Pipe Diameter Type=Nominal | C2=None |
| C=Btm Width | Branch Diameter Type=Nominal | C3=None |
| D=Btm Depth | Hole Adjust=0.000 | |
| E=Branch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

Seams

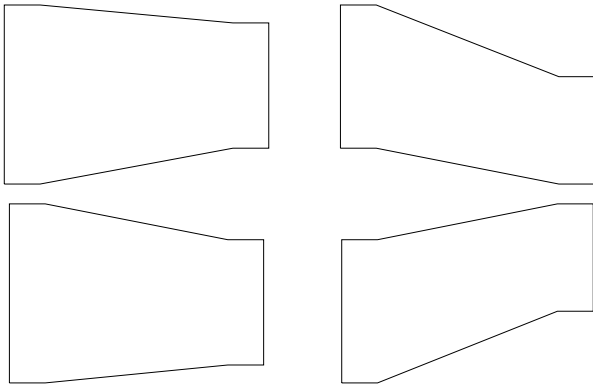
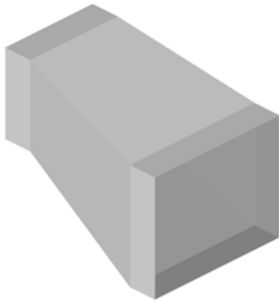
S1=None
S2=None

Damper: None



Pattern: 1178

Rectangular/Ductboard

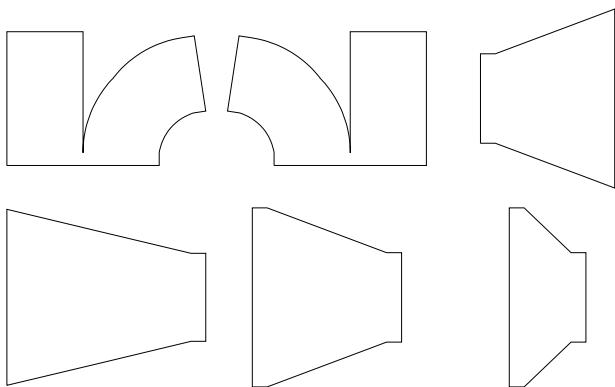
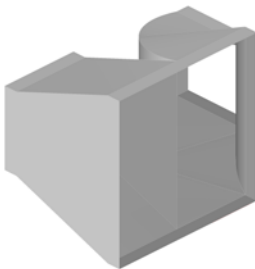


| Dims | Options | Conn's |
|-----------------|----------------------------------------------|---------|
| A=Width In | 2 Parts=No | C1=None |
| B=Depth In | 3 Parts=No | C2=None |
| C=Width Out | Vee Depth Male=Auto | |
| D=Depth Out | Vee Depth Female=Auto | |
| E=Length | Vee Notch Angle=20.000 | |
| 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 | Offset Width=Left In | |
| J=Angle | Offset Depth=Bottom Up | |
| K=Extension In | Taper Notch If Straight Edge (Male)=No | |
| L=Extension Out | 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)... | Damper: |
| | 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 | |

Seams
S1=None

Pattern: 1179

Rectangular



| Dims | Options | Conn's |
|--------------------|----------------------------------|---------|
| A=Btm Width | Same Widths=Yes | C1=None |
| B=Btm Depth | Right Throat=Radius | C2=None |
| C=Btm Left Width | Vee Depth Male=Auto | C3=None |
| D=Btm Right Width | Vee Depth Female=Auto | |
| E=Right Width | Vee Angle Male=30 | |
| F=Right Depth | Vee Angle Female=30 | |
| G=Top Width | Seam Top Arcs=No | |
| H=Top Depth | Cheeks Seam=Male | |
| I=Top Length #1 | Junction Seam Cutback (Up)=0.000 | |
| J=Top Length #2 | | |
| K=Bottom Extension | | |
| L=Right Extension | | |
| M=Top Extension | | |
| N=Right Offset | | |
| O=Top Offset | | |
| P=Right Radius | | |
| Q=Top Radius | | |

Seams
S1=None
S2=None

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

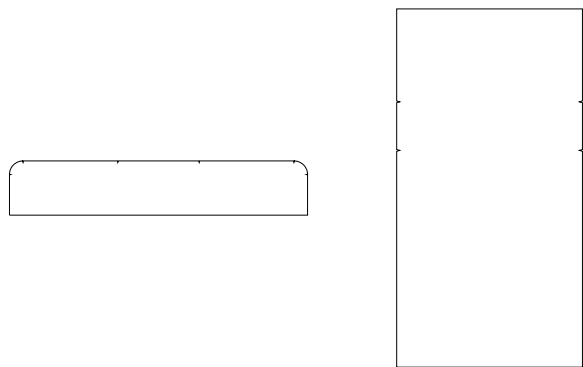
| Dims | Options | Conn's |
|------|---------|--------|
|------|---------|--------|

Seams

Damper:

Pattern: 1183

Rectangular



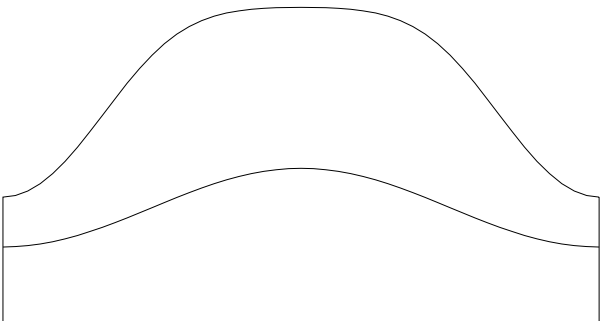
| Dims | | Options | Conn's |
|----------|----------|------------------------|---------|
| A=Width | B=Depth | Develop Parts=2 | C1=None |
| C=Height | D=Radius | Vee Depth Male=0.400 | |
| | | Vee Depth Female=0.400 | |
| | | Vee Angle Male=30 | |
| | | Vee Angle Female=30 | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 1184

Round



| Dims | | Options | Conn's |
|-----------------|-------------------|---------------------------------|---------|
| A=Pipe Diameter | B=Branch Diameter | Branch Parts=1 | C1=None |
| C=Branch Length | D=Angle | Pipe Diameter Type=Nominal | C2=None |
| E=Offset | F=Extension | Branch Diameter Type=Nominal | C3=None |
| G=Collar | | Branch Allowance To Pipe=0.000 | C4=None |
| | | Throat Cut Back (Degrees)=0.000 | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper: None

Pattern: 1185

Structure



| Dims | Options | Conn's |
|-------------------|-----------------|---------|
| A=Height | Mid Length=Auto | C1=None |
| B=Thickness | Inner=Radius | C2=None |
| C=Outer Extension | Outer=Radius | C3=None |
| D=Mid Thickness | | |
| E=Mid Length | | |
| F=Inner Radius | | |
| G=Angle | | |
| H=Mid Thickness | | |

Seams

Damper:

Pattern: 1186

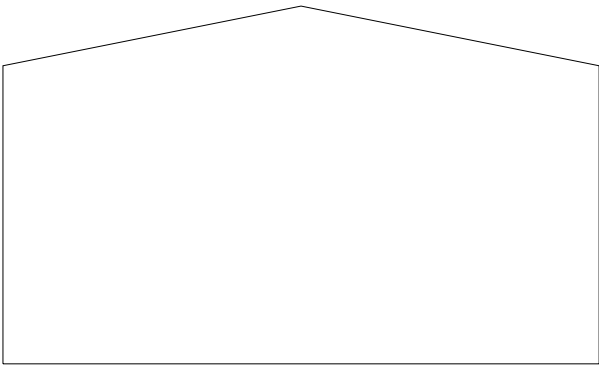
Structure



| Dims | Options | Conn's |
|--------------------|-----------------------------|---------|
| A=Left Height | Orientation=Vertical | C1=None |
| B=Right Height | Cut In Height=Centre | C2=None |
| C=Length | Apex Input=Height And Inset | C3=None |
| D=Thickness | Profile= | C4=None |
| E=Apex Height | | 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 | | C1=None |
| B=Thickness | | C2=None |
| C=Outer Extension | | C3=None |
| 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 | Cut In Height=Centre | C2=None |
| | Profile= | C3=None |
| | Left Angle=45.000 | C4=None |
| | Right Angle=45.000 | C5=None |
| | Apply Angles To=Profile Only | C6=None |
| | Apply Angles=Horizontally | C7=None |

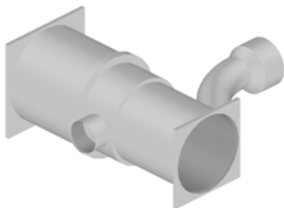
Seams

Damper:



Pattern: 1189

Pipework/Equipment



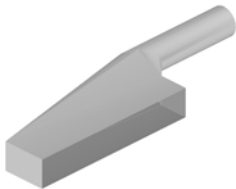
| Dims | Options | Conn's |
|-----------------------|--------------|---------|
| A=Bottom Width | Vertical=No | C1=None |
| B=Bottom Depth | Pattern=None | C2=None |
| C=Bottom Diameter | | C3=None |
| D=Middle Diameter #1 | | C4=None |
| E=Middle Diameter #2 | | |
| F=Top Diameter | | |
| G=Top Width | | |
| 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



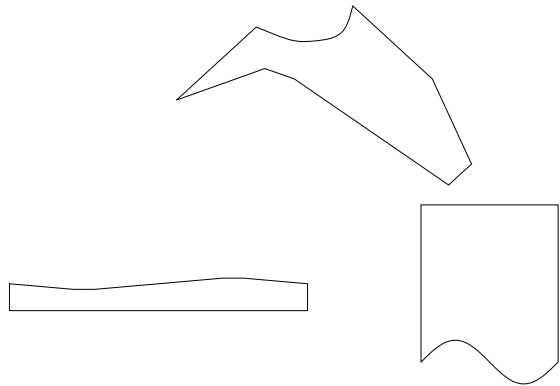
| Dims | Options | Conn's |
|-----------------------|-----------------------|---------|
| A=Width | Diameter Type=Nominal | C1=None |
| B=Depth | Round Parts=1 | C2=None |
| C=Diameter | Rect Parts=1 | |
| D=Btm Left Ext | Body Cross Break=1 | |
| E=Btm Right Ext | Body Length Break=1 | |
| F=Top Upper Extension | Seam Position=Width | |
| G=Top Lower Extension | Marker Type=Notch | |
| H=Inner Length #1 | Inlet=1 | |
| I=Inner Length #2 | Outlet=2 | |
| J=Offset Depth | | |
| K=Angle | | |

Seams

S1=None

S2=None

Damper:



Pattern: 1191

Rectangular/Standard/Equipment



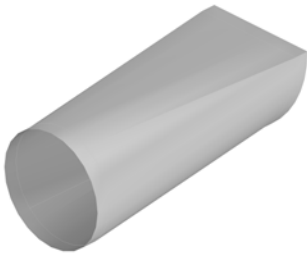
| Dims | Options | Conn's |
|---------------|-----------------|---------|
| A=Height | Symmetrical=Yes | C1=None |
| B=Length | | C2=None |
| C=Thickness | | |
| D=Left Width | | |
| E=Left Height | | |
| F=Width | | |

Seams

Damper:

Pattern: 1192

Pipework

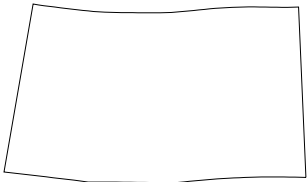


| Dims | Options | Conn's |
|----------------------|---------------------------|---------|
| A=Circular Diameter | Number Of Parts=1 | C1=None |
| B=Quadrant Radius | Seam Position=Curve Start | C2=None |
| C=Length | | |
| D=Circular Extension | | |
| E=Quadrant Extension | | |
| F=Offset Width | |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

Seams

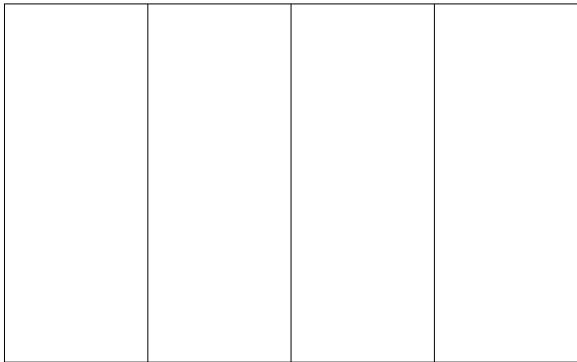
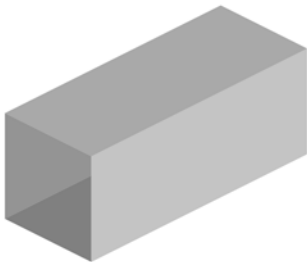
S1=None

Damper:



Pattern: 1193

Rectangular/Ductboard



| Dims | | Options | Conn's |
|------------|------------|---------|---------|
| A=Length | B=Width #1 | | C1=None |
| C=Depth #1 | D=Width #2 | | C2=None |
| E=Depth #2 | F=Width #3 | | |
| G=Depth #3 | H=Width #4 | | |
| I=Depth #4 | J=Width #5 | | |
| K=Depth #5 | | | |

Seams
S1=None

Damper:

Pattern: 1194

Rectangular/Standard/Equipment



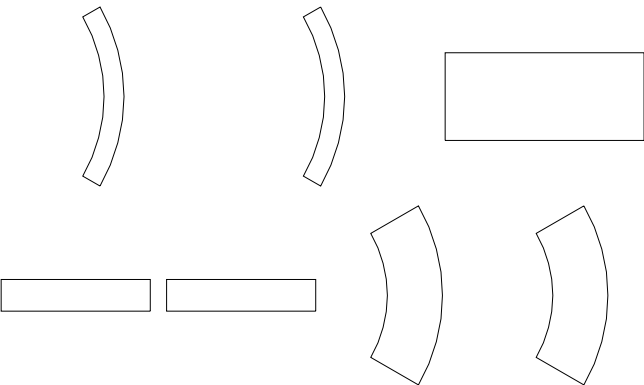
| Dims | | Options | Conn's |
|-------------------|--|------------|---------|
| A=Width | | Detail=Low | C1=None |
| B=Height | | | C2=None |
| C=Length | | | |
| D=Mid Width | | | |
| E=Mid Inset | | | |
| F=Mid Offset | | | |
| G=End Width | | | |
| H=End Height | | | |
| I=Thickness | | | |
| J=Radius | | | |
| K=Curve (0.0-1.0) | | | |

Seams

Damper:

Pattern: 1196

Rectangular



| Dims | Options | Conn's |
|-----------------|---------------------|---------|
| A=Top Width | Type=A | C1=None |
| B=Top Height | Draw Connectors=Yes | C2=None |
| C=Bottom Width | Notch Corners=Yes | C3=None |
| D=Bottom Height | Develop Ends=No | |
| E=Radius | | |
| F=Angle | | |

| Seams |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 1197

Electrical/Equipment



| 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/Equipment



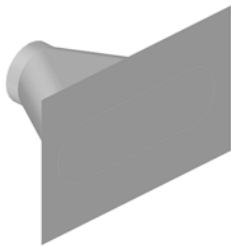
| Dims | Options | Conn's |
|-----------------|---------|---------|
| A=Diameter | | C1=None |
| B=Height | | C2=None |
| C=Extension In | | |
| D=Extension Out | | |
| E=Radius In | | |
| F=Radius Out | | |
| G=Angle In | | |
| H=Angle Out | | |

Seams

Damper:

Pattern: 1199

Round

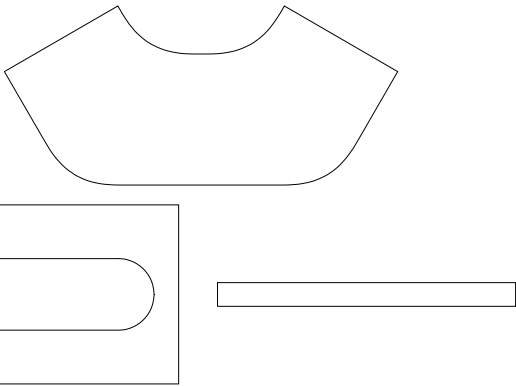


| Dims | Options | Conn's |
|----------------|-----------------------|---------|
| A=Diameter | Branch Parts=1 | C1=None |
| B=Length | Plate Parts=1 | C2=None |
| C=Extension | Seam Position=0.000 | |
| D=Angle | Hole Adjust=0.000 | |
| E=Plate Width | Diameter Type=Nominal | |
| F=Plate Depth | Turnover=0.000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

Seams

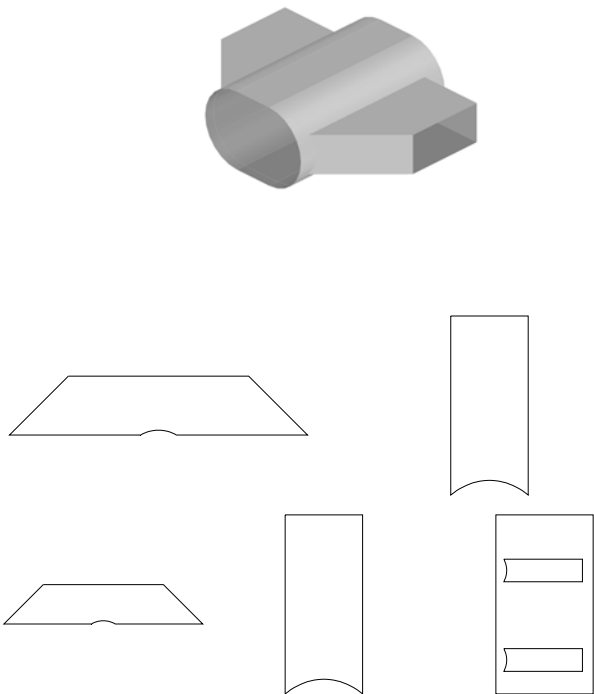
S1=None
S2=None

Damper: None



Pattern: 1204

Flat Oval



| Dims | Options | Conn's |
|--------------------|-------------------------------|---------|
| A=Pipe Width | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Depth | Pipe Seam Position=Corner | C2=None |
| C=Pipe Length | Pipe Parts=1 | C3=None |
| D=Left Extension | Branch Parts=2 | C4=None |
| 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=None |
| S2=None |
| S3=None |

Damper: None
None

Pattern: 1205

Round/Equipment



| Dims | Options | Conn's |
|-----------------|----------------------|---------|
| A=Pipe Diameter | Lines Input=Quantity | C1=None |
| B=Width | Horizontal Lines=10 | |
| C=Length | Vertical Lines=10 | |
| D=Thickness | Depth Input=Inside | |
| E=Frame Width | | |
| F=Frame Length | | |
| G=Depth | | |

| Seams |
|-------|
|-------|

Damper:

Pattern: 1238

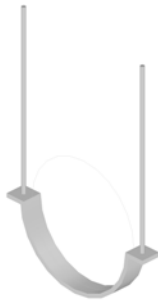
Rectangular/Standard/Equipment



| Dims | Options | Conn's |
|------------------------|--------------------------------|---------|
| A=Width | Profile=Rectangular | C1=None |
| B=Depth | Pipework=No | C2=None |
| C=Bearer Extn | Drop Rod Diameter=0.400 | C3=None |
| D=Left Angle | Bearer Width=2.000 | |
| E=Right Angle | Bearer Thickness=0.400 | |
| F=Right Rod Extn Above | Oversized Item=No | |
| G=Left Rod Extn Above | Area of Influence=0.000 | |
| H=Rod Extn Below | A of I: Filled Circle=No | |
| I=Length A | A of I: Circle Thickness=0.100 | |
| J=Length B | Export=All | |
| K=Supported Width | Export Rod Size=Yes | Seams |
| L=Supported Depth | Front Seismic Rod=No | |
| M=Right Rod Offset | Back Seismic Rod=No | |
| N=Left Rod Offset | Left Seismic Rod=No | |
| | Right Seismic Rod=No | |
| | Front Seismic Rod=No | |
| | Back Seismic Rod=No | Damper: |
| | Left Seismic Rod=No | |
| | Right Seismic Rod=No | |
| | Use Support Settings=Yes | |
| | Point Load A=0.000 | |
| | Point Load B=0.000 | |

Pattern: 1239

Round/Standard/Equipment



| Dims | Options | Conn's |
|------------------------|--------------------------------|---------|
| A=Diameter | Profile=Round | C1=None |
| B=Bearer Extn | Block Thickness=0.000 | C2=None |
| C=Right Rod Extn Above | Block Length=0.000 | C3=None |
| D=Left Rod Extn Above | Number Of Round Sections=Auto | |
| E=Rod Extn Below | Drop Rod Diameter=0.400 | |
| F=Length A | Bearer Width=2.000 | |
| G=Length B | Bearer Thickness=0.400 | |
| H=Supported Width | Area of Influence=0.000 | |
| I=Supported Depth | A of I: Filled Circle=No | |
| J=Right Rod Offset | A of I: Circle Thickness=0.100 | |
| K=Left Rod Offset | Export=All | Seams |
| L=Centre Offset | Export Rod Size=Yes | |
| | Use Support Settings=Yes | |
| | Point Load A=0.000 | |
| | Point Load B=0.000 | |
| | Insulation Shield=No | Damper: |

Pattern: 1240

Round/Standard/Equipment



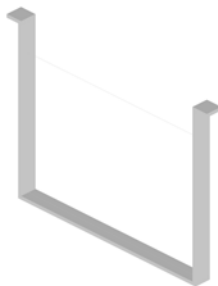
| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Diameter | Block Thickness=0.000 | C1=None |
| B=Rod Extn Above | Block Length=0.000 | C2=None |
| C=Width | Number Of Round Sections=Auto | C3=None |
| D=Depth | Drop Rod Diameter=0.400 | |
| E=Length | Bearer Width=2.000 | |
| F=Arrow Length | Bearer Thickness=0.400 | |
| G=Arrow Width | Area of Influence=0.000 | |
| H=Arrow Offset | A of I: Filled Circle=No | |
| I=Arrow Rotation | A of I: Circle Thickness=0.100 | |
| J=Length A | Export=All | |
| K=Length B | Export Rod Size=Yes | |
| L=Supported Width | Use Support Settings=Yes | |
| M=Supported Depth | Point Load A=0.000 | |
| N=Centre Offset | Point Load B=0.000 | |
| | Insulation Shield=No | |

Seams

Damper:

Pattern: 1241

Rectangular/Standard/Equipment



| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Width | Profile=Rectangular | C1=None |
| B=Depth | Bearer Width=2.000 | C2=None |
| C=Top Length | Bearer Thickness=0.400 | C3=None |
| D=Bearer Extn | Area of Influence=0.000 | |
| E=Length A | A of I: Filled Circle=No | |
| F=Length B | A of I: Circle Thickness=0.100 | |
| G=Supported Width | Export=All | |
| H=Supported Depth | Export Rod Size=Yes | |
| | Use Support Settings=Yes | |
| | Point Load A=0.000 | |
| | Point Load B=0.000 | |

Seams

Damper:

Pattern: 1242

Round/Standard/Equipment



| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Diameter | Block Thickness=0.000 | C1=None |
| B=Bearer Extn | Block Length=0.000 | C2=None |
| C=Rod Extn Above | Number Of Round Sections=Auto | C3=None |
| D=Arrow Length | Drop Rod Diameter=0.400 | |
| E=Arrow Width | Bearer Width=2.000 | |
| F=Arrow Offset | Bearer Thickness=0.400 | |
| G=Arrow Rotation | Area of Influence=0.000 | |
| H=Length A | A of I: Filled Circle=No | |
| I=Length B | A of I: Circle Thickness=0.100 | |
| J=Supported Width | Export=All | |
| K=Supported Depth | Export Rod Size=Yes | |
| L=Centre Offset | Use Support Settings=Yes | |
| | Point Load A=0.000 | |
| | Point Load B=0.000 | |
| | Insulation Shield=No | |

Seams

Damper:

Pattern: 1243

Round/Standard/Equipment



| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Diameter | Block Thickness=0.000 | C1=None |
| B=Height | Block Length=0.000 | C2=None |
| C=Offset | Number Of Round Sections=Auto | C3=None |
| D=Top Length | Drop Rod Diameter=0.400 | |
| E=Lap | Bearer Width=2.000 | |
| F=Rod Extn Below | Bearer Thickness=0.400 | |
| G=Rod Extn Above | Hex End=Yes | |
| H=Length A | Roller Rod Diameter=0.600 | |
| I=Length B | Area of Influence=0.000 | |
| J=Supported Width | A of I: Filled Circle=No | |
| K=Supported Depth | A of I: Circle Thickness=0.100 | |
| L=Centre Offset | Export=All | |
| | Export Rod Size=Yes | |
| | Front Seismic Rod=No | |
| | Back Seismic Rod=No | |
| | Left Seismic Rod=No | |
| | Right Seismic Rod=No | |
| | Use Support Settings=Yes | |
| | Point Load A=0.000 | |
| | Point Load B=0.000 | |
| | Insulation Shield=No | |

Seams

Damper:

Pattern: 1244

Round/Standard/Equipment



| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Diameter | Block Thickness=0.000 | C1=None |
| B=Height | Block Length=0.000 | C2=None |
| C=Offset | Number Of Round Sections=Auto | C3=None |
| D=Top Length | Drop Rod Diameter=0.400 | |
| E=Lap | Bearer Width=2.000 | |
| F=Rod Extn Below | Bearer Thickness=0.400 | |
| G=Rod Extn Above | Hex End=Yes | |
| H=Length A | Roller Rod Diameter=0.600 | |
| I=Length B | Area of Influence=0.000 | |
| J=Supported Width | A of I: Filled Circle=No | |
| K=Supported Depth | A of I: Circle Thickness=0.100 | |
| L=Centre Offset | Export=All | |
| | Export Rod Size=Yes | |
| | Front Seismic Rod=No | |
| | Back Seismic Rod=No | |
| | Left Seismic Rod=No | |
| | Right Seismic Rod=No | |
| | Use Support Settings=Yes | |
| | Point Load A=0.000 | |
| | Point Load B=0.000 | |
| | High Detail Roller=No | |
| | Insulation Shield=No | |

Seams

Damper:

Pattern: 1245

Round/Standard/Equipment



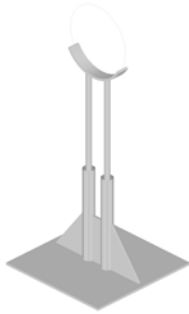
| Dims | Options | Conn's |
|---------------------|-------------------------------|---------|
| A=Diameter | Block Thickness=0.000 | C1=None |
| B=Base Width | Block Length=0.000 | C2=None |
| C=Base Depth | Number Of Round Sections=Auto | C3=None |
| D=Thickness | Drop Rod Diameter=2.000 | |
| E=Pipe Length | Bearer Width=2.000 | |
| F=Centreline Length | Bearer Thickness=0.400 | |
| G=Gusset Length | Roller Rod Diameter=1.000 | |
| H=Gusset Height | Turnover=0.000 | |
| I=Length A | Export=All | |
| J=Length B | Export Rod Size=Yes | |
| K=Supported Width | Use Support Settings=Yes | |
| L=Supported Depth | Point Load A=0.000 | |
| M=Centre Offset | Point Load B=0.000 | |
| | Insulation Shield=No | |

Seams

Damper:

Pattern: 1246

Round/Standard/Equipment



| Dims | Options | Conn's |
|---------------------|-------------------------------|---------|
| A=Diameter | Block Thickness=0.000 | C1=None |
| B=Base Width | Block Length=0.000 | C2=None |
| C=Base Depth | Number Of Round Sections=Auto | C3=None |
| D=Thickness | Drop Rod Diameter=2.000 | |
| E=Pipe Length | Bearer Width=2.000 | |
| F=Centreline Length | Bearer Thickness=0.400 | |
| G=Gusset Length | Roller Rod Diameter=1.000 | |
| H=Gusset Height | Turnover=0.000 | |
| I=Offset | Export=All | |
| J=Length A | Export Rod Size=Yes | |
| K=Length B | Use Support Settings=Yes | |
| L=Supported Width | Point Load A=0.000 | |
| M=Supported Depth | Point Load B=0.000 | |
| N=Centre Offset | Insulation Shield=No | |

Seams

Damper:

Pattern: 1247

Round/Standard/Equipment



| Dims | Options | Conn's |
|------------------------|--------------------------------|---------|
| A=Diameter | Profile=Round | C1=None |
| B=Bearer Extn | Block Thickness=0.000 | C2=None |
| C=Right Rod Extn Above | Block Length=0.000 | C3=None |
| D=Left Rod Extn Above | Number Of Round Sections=Auto | |
| E=Rod Extn Below | Drop Rod Diameter=0.400 | |
| F=Length A | Bearer Width=2.000 | |
| G=Length B | Bearer Thickness=0.400 | |
| H=Supported Width | Area of Influence=0.000 | |
| I=Supported Depth | A of I: Filled Circle=No | |
| J=Right Rod Offset | A of I: Circle Thickness=0.100 | |
| K=Left Rod Offset | Export=All | |
| L=Centre Offset | Export Rod Size=Yes | |
| | Use Support Settings=Yes | |
| | Point Load A=0.000 | |
| | Point Load B=0.000 | |
| | Insulation Shield=No | |

Seams

Damper:

Pattern: 1248

Rectangular/Standard/Equipment



| Dims | Options | Conn's |
|------------------------|--------------------------------|---------|
| A=Width | Profile=Rectangular | C1=None |
| B=Depth | Number Of Round Sections=Auto | C2=None |
| C=Bearer Extn | Drop Rod Diameter=0.400 | C3=None |
| D=Right Rod Extn Above | Bearer Thickness=0.000 | |
| E=Left Rod Extn Above | Hex End=Yes | |
| F=Rod Extn Below | Roller Rod Diameter=0.600 | |
| G=Length A | Area of Influence=0.000 | |
| H=Length B | A of I: Filled Circle=No | |
| I=Supported Width | A of I: Circle Thickness=0.100 | |
| J=Supported Depth | Export=All | |
| | Export Rod Size=Yes | |
| | Use Support Settings=Yes | |
| | Point Load A=0.000 | |
| | Point Load B=0.000 | |

Seams

Damper:

Pattern: 1249

Round/Standard/Equipment



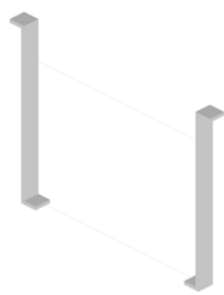
| Dims | Options | Conn's |
|-------------------|--------------------------------|---------|
| A=Diameter | Block Thickness=0.000 | C1=None |
| B=Height | Block Length=0.000 | C2=None |
| C=Offset | Number Of Round Sections=Auto | C3=None |
| D=Top Length | Drop Rod Diameter=0.400 | |
| E=Rod Extn Below | Bearer Width=2.000 | |
| F=Rod Extn Above | Bearer Thickness=0.400 | |
| G=Length A | Hex End=Yes | |
| H=Length B | Area of Influence=0.000 | |
| I=Supported Width | A of I: Filled Circle=No | |
| J=Supported Depth | A of I: Circle Thickness=0.100 | |
| K=Centre Offset | Export=All | |
| | Export Rod Size=Yes | |
| | Front Seismic Rod=No | |
| | Back Seismic Rod=No | |
| | Left Seismic Rod=No | |
| | Right Seismic Rod=No | |
| | Use Support Settings=Yes | |
| | Point Load A=0.000 | |
| | Point Load B=0.000 | |
| | Insulation Shield=No | |

Seams

Damper:

Pattern: 1250

Rectangular/Standard/Equipment



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Width | Profile=Rectangular | C1=None |
| B=Depth | Bearer Width=2.000 | C2=None |
| C=Top Length | Bearer Thickness=0.400 | C3=None |
| D=Bearer Extn | Area of Influence=0.000 | |
| E=Bottom Extension | A of I: Filled Circle=No | |
| F=Length A | A of I: Circle Thickness=0.100 | |
| G=Length B | Straps=Both | |
| H=Supported Width | Export=All | |
| I=Supported Depth | Export Rod Size=Yes | |
| | Use Support Settings=Yes | |
| | Point Load A=0.000 | |
| | Point Load B=0.000 | |

Seams

Damper:

Pattern: 1522

Round/Flat Oval/Equipment



| Dims | Options | Conn's |
|--------------|---------------|---------|
| A=Diameter | Sex Type=Male | C1=None |
| B=Collar | | C2=None |
| C=Length | | |
| D=Offset | | |
| E=Oval Depth | | |

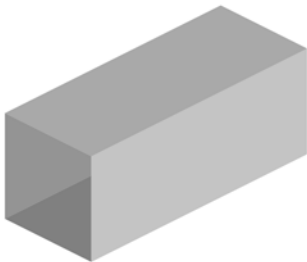
Seams

S1=None

Damper:

Pattern: 1972

Rectangular/Standard



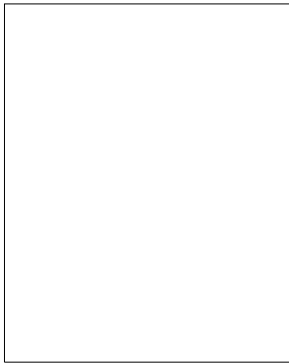
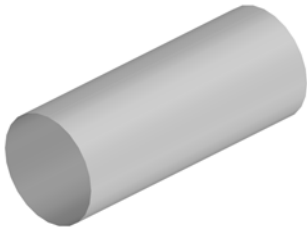
| Dims | | Options | Conn's |
|----------|---------|----------------------------------|---------|
| A=Width | B=Depth | Straight Type=1 Part Straight | C1=None |
| C=Length | | Female Allow=Shortest Side | C2=None |
| | | 1xU,1xI=Shortest Side | C3=None |
| | | Connector Fold Notch=Use Default | C4=None |
| | | 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 UI=Shortest Side | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 2040

Pipework



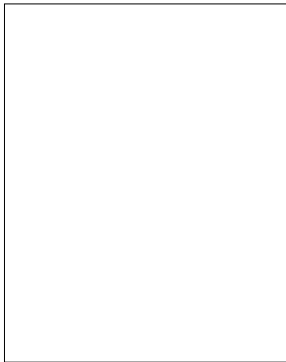
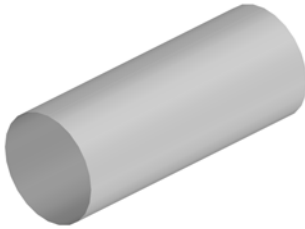
| Dims | | Options | Conn's |
|-------------------|--|-------------------------------------|---------|
| A=Diameter | | Seam Position=0.000 | C1=None |
| B=Length | | Diameter Type=Nominal | C2=None |
| C=Left Extension | | Pipe Length=(inch) | |
| D=Right Extension | | Area Adjust (%)=0.000 | |
| | | 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

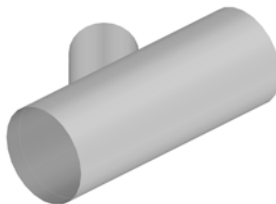


| Dims | Options | Conn's |
|-------------------|-------------------------------------|--------------|
| A=Diameter | Seam Position=0.000 | C1=None |
| B=Length | Diameter Type=Nominal | C2=None |
| C=Left Extension | Pipe Length=(inch) | |
| D=Right Extension | Area Adjust (%)=0.000 | |
| | Lengths 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

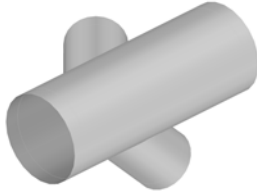
Pipework



| 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 | |
| | 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: 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 | Cut Back Allowance (%)=0.000 | |
| P=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 | |

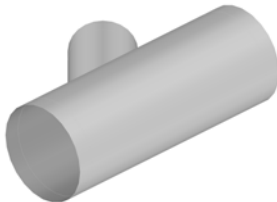
Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None

Pattern: 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 | |
| | 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 | |

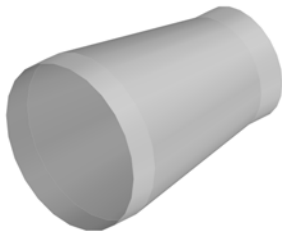
Seams

S1=None
S2=None

Damper: None
None
None

Pattern: 2051

Pipework



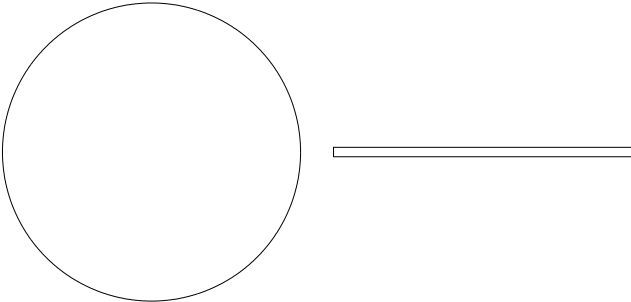
| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Diameter In | Diameter Type BE=Nominal | C1=None |
| B=Diameter Out | Diameter Type SE=Nominal | C2=None |
| C=Length | Cross Break=1 | |
| D=Left Extension | Length Break=1 | |
| E=Right Extension | Seam For Weathering=No | |
| F=Angle | Input=Length | |
| | Length Includes Extensions=No | |
| | Auto Oversize=Normal | |
| | Insulate To Nodes=No | |

Seams
S1=None

Damper: None
None

Pattern: 2060

Pipework



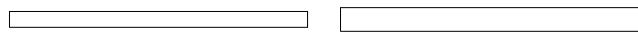
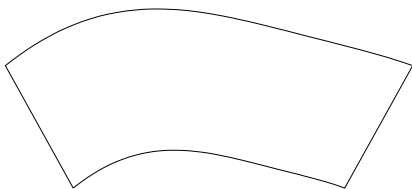
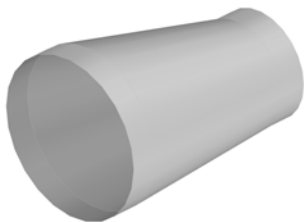
| Dims | Options | Conn's |
|---------------------|-----------------------|---------|
| A=Diameter B=Collar | Diameter Type=Nominal | C1=None |
| C=Height | | |

Seams

Damper:

Pattern: 2071

Pipework



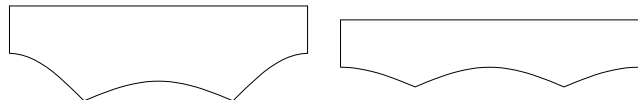
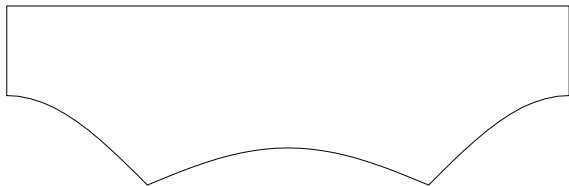
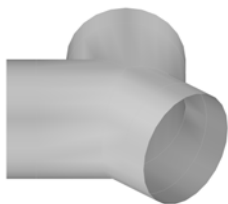
| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Diameter In | Diameter Type BE=Nominal | C1=None |
| B=Diameter Out | Diameter Type SE=Nominal | C2=None |
| C=Length | Cross Break=1 | |
| D=Y-Offset | Seam Position=0.000 | |
| E=Left Extension | Length Break=1 | |
| F=Right Extension | Marker Type=Notch | |
| G=Round Angle | Length Includes Extensions=No | |

| Seams |
|---------|
| S1=None |

Damper: None
None

Pattern: 2072

Pipework



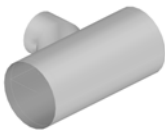
| Dims | Options | Conn's |
|--------------------|-----------------------|---------|
| A=Diameter | Diameter Type=Nominal | C1=None |
| B=Length In | Seam Position=0.000 | C2=None |
| C=Length Out | | C3=None |
| D=Angle | | C4=None |
| E=Bottom Extension | | C5=None |
| F=Left Extension | | |
| G=Right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

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 2082

Pipework

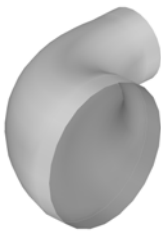


| Dims | Options | Conn's |
|-------------------|---------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Length | Branch Parts=1 | C2=None |
| C=Left Extension | First Break=0.000 | C3=None |
| D=Right Extension | Second Break=0.000 | C4=None |
| E=Branch Diameter | 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

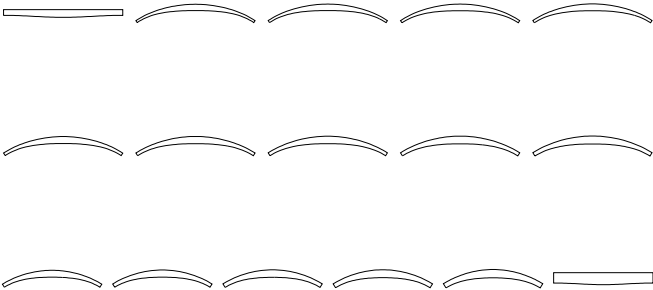
Pipework



| Dims | Options | Conn's |
|--------------------|------------------------------|---------|
| A=Bottom Diameter | Number Of Segments=16 | 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 | Fixed Radius=Yes | |
| | Item Volume=Segmented | |

| Seams |
|---------|
| S1=None |

Damper: None
None



Pattern: 2108

Pipework/Equipment



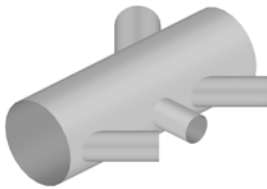
| Dims | Options | Conn's |
|-------------------------------|-----------------------------------|---------|
| A=Diameter | Bend Radius=4.000 | C1=None |
| B=Length | Factor Type=Multiples Of Diameter | C2=None |
| C=Lead Length | Max Length=0.000 | |
| D=Straight 1 Start->Straig... | Number Of Round Sections=12 | |
| E=Straight 1 Start->Bend ... | Length=Auto | |
| F=Bend 1 X Angle | Length Adjust=0.000 | |
| G=Bend 1 Y Angle | Number Of Segments=Auto | |
| H=Straight 2 Start->Straig... | Straight Annotation=Up | |
| I=Bend 1 Center->Bend 2 ... | Bend Annotation=Front | |
| J=Bend 2 X Angle | Allowance=Default | |
| K=Bend 2 Y Angle | | |
| L=Straight 3 Start->Straig... | | |
| M=Bend 2 Center->Bend ... | | |
| N=Bend 3 X Angle | | |
| O=Bend 3 Y Angle | | |
| P=Straight 4 Start->Straig... | | |
| Q=Bend 3 Center->Bend ... | | |
| R=Bend 4 X Angle | | |
| S=Bend 4 Y Angle | | |
| T=Straight 5 Start->Straig... | | |
| U=Bend 4 Center->Straig... | | |

Seams

Damper:

Pattern: 2148

Pipework



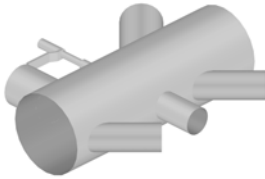
| Dims | Options | Conn's |
|----------------------|--------------------------------|---------|
| A=Pipe Diameter | Pipe Parts=1 | C1=None |
| B=Pipe Length | First Break=0.000 | C2=None |
| C=Left Extension | Second Break=0.000 | C3=None |
| D=Right Extension | Third Break=0.000 | C4=None |
| E=Branch 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 | | |

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 | Inlet=1 | C1=None |
| B=Pipe Length | First Break=0.000 | Outlet=2 | 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 Typ... | | C6=None |
| G=Angle #1 | Branch Type=Straig... | | C7=None |
| H=Inset #1 | Branch Diameter T... | | |
| I=Offset #1 | Branch Parts=2 | | |
| J=Rotation #1 | Branch Type=Straig... | | |
| 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 | Hole Adjust=0.000 | | |
| T=Branch Length #3 | Branch Allowance ... | | |
| U=Angle #3 | Shoe Seam Position... | | |
| V=Inset #3 | Branch Type=Straig... | | |
| W=Offset #3 | Branch Diameter T... | | |
| 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.... | | |
| b=Angle #4 | Handle Inline with ... | | |

Seams

S1=None S6=None
S2=None
S3=None
S4=None
S5=None
Damper:

Pattern: 2155

Pipework



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

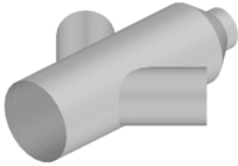
Seams

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 | Cut Back Allowance (%)=0.000 | |
| R=Rotation #2 | Use Pipe Seam For Branches=No | |
| S=Extension #2 | 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 | |

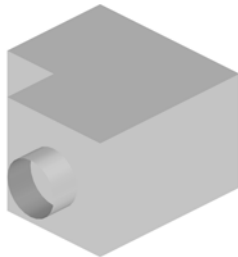
Seams

S1=None
S2=None
S3=None

Damper: None
None
None
None
None

Pattern: 2182

Pipework



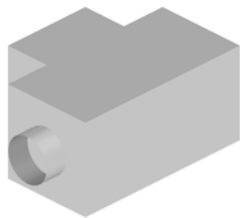
| Dims | Options | Conn's |
|--------------------|-------------------------------|---------|
| A=Depth | Lengths Include Extensions=No | C1=None |
| B=Top Width | Inlet=1 | C2=None |
| C=Top Length | Outlet=2 | |
| D=Top Diameter | Connector 1=Top | |
| E=Top Extension | | |
| F=Left Width | | |
| G=Left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

Seams

Damper:

Pattern: 2183

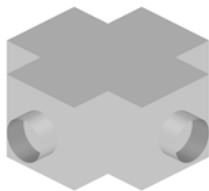
Pipework



| 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 | | |
| M=Right Extension | | |
| N=Bottom Extension | | |
| O=Top Diameter | | |
| P=Left Diameter | | |
| Q=Right Diameter | | |
| | | Seams |
| | | Damper: |

Pattern: 2184

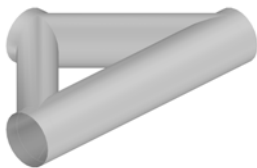
Pipework



| 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 | | |
| M=Right Extension | | |
| N=Bottom Width | | |
| O=Bottom Length | | |
| P=Bottom Diameter | | |
| Q=Bottom Extension | | |
| R=Top Diameter | | |
| S=Left Diameter | | |
| T=Right Diameter | | |
| U=Bottom Diameter | | |
| | | Seams |
| | | Damper: |

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

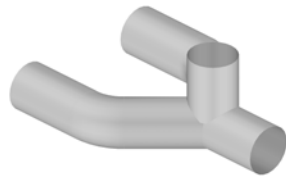


| Dims | Options | Conn's |
|------------------------|--------------|---------|
| A=Diameter | Radius=Inner | C1=None |
| B=Length | Inlet=1 | C2=None |
| C=Height | Outlet=2 | C3=None |
| D=Bend Inset | | C4=None |
| E=Left Inset | | |
| F=Right Inset | | |
| G=Radius | | |
| H=Front Left Diameter | | |
| I=Front Left Length | | |
| J=Front Right Diameter | | |
| K=Front Right Length | | |
| | | Seams |
| | | S1=None |

Damper:

Pattern: 2188

Pipework

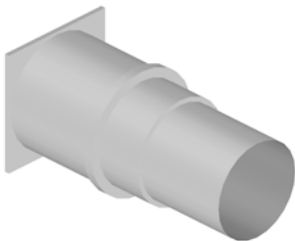


| Dims | Options | Conn's |
|--------------|--------------|---------|
| A=Diameter | Type=Double | C1=None |
| B=Width | Radius=Inner | C2=None |
| C=Length | Inlet=1 | C3=None |
| D=Btm Length | Outlet=2 | C4=None |
| E=Depth | | |
| F=Radius | | |
| | | Seams |
| | | S1=None |

Damper:

Pattern: 2189

Pipework/Equipment



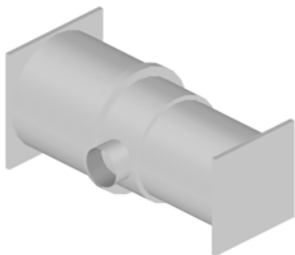
| Dims | Options | Conn's |
|----------------------|--------------|---------|
| A=Bottom Width | Vertical=No | C1=None |
| B=Bottom Depth | Pattern=None | C2=None |
| C=Bottom Diameter | Inlet=2 | |
| D=Middle Diameter #1 | Outlet=1 | |
| E=Middle Diameter #2 | | |
| F=Top Diameter | | |
| G=Top Width | | |
| 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/Equipment



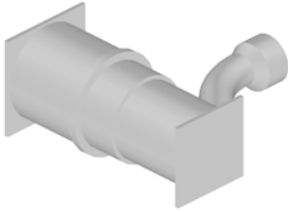
| Dims | Options | Conn's |
|----------------------|--------------|---------|
| A=Bottom Width | Vertical=No | C1=None |
| B=Bottom Depth | Pattern=None | C2=None |
| C=Bottom Diameter | Inlet=2 | |
| D=Middle Diameter #1 | Outlet=1 | |
| E=Middle Diameter #2 | | |
| F=Top Diameter | | |
| G=Top Width | | |
| 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/Equipment



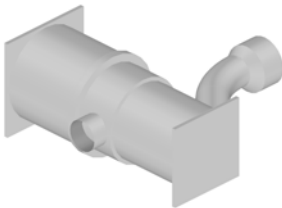
| Dims | Options | Conn's |
|-----------------------|--------------|---------|
| A=Bottom Width | Vertical=No | C1=None |
| B=Bottom Depth | Pattern=None | C2=None |
| C=Bottom Diameter | Inlet=2 | |
| D=Middle Diameter #1 | Outlet=1 | |
| E=Middle Diameter #2 | | |
| F=Top Diameter | | |
| G=Top Width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

Seams

Damper:

Pattern: 2192

Pipework/Equipment



| 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 | | |
| 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: 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



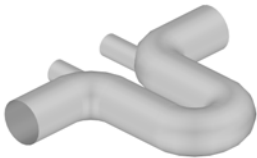
| Dims | Options | Conn's |
|--------------|--------------|---------|
| A=Diameter | Radius=Inner | C1=None |
| B=Length | Inlet=1 | C2=None |
| C=Height | Outlet=2 | |
| D=Bend Inset | | |
| E=Radius | | |

| Seams |
|---------|
| S1=None |

Damper:

Pattern: 2196

Pipework



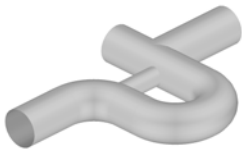
| Dims | Options | Conn's |
|---------------------|-----------------------|---------|
| A=Pipe Diameter | Inlet=1 | C1=None |
| B=Vent Diameter | Outlet=2 | C2=None |
| C=Trap Height | Angle Tolerance=0.000 | C3=None |
| D=Vent Spacing | | C4=None |
| E=Bend Radius | | |
| F=Left Pipe Length | | |
| G=Left Pipe Offset | | |
| H=Right Pipe Length | | |
| I=Right Pipe Offset | | |

| Seams |
|-------|
|-------|

Damper:

Pattern: 2197

Pipework



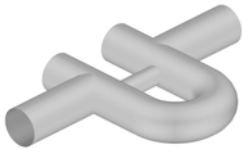
| Dims | Options | Conn's |
|-----------------|-----------------------|---------|
| A=Pipe Diameter | Inlet=1 | C1=None |
| B=Radius | Outlet=2 | C2=None |
| C=Height | Angle Tolerance=0.000 | C3=None |
| D=Depth | Radius=Inner | |
| E=Left Length | | |
| F=Mid Length | | |
| G=Right Length | | |
| H=Vent Diameter | | |
| I=Vent Offset | | |

Seams

Damper:

Pattern: 2198

Pipework



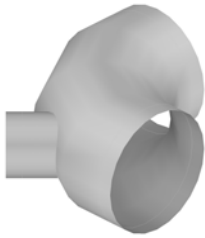
| Dims | Options | Conn's |
|-----------------|-----------------------|---------|
| A=Pipe Diameter | Inlet=1 | C1=None |
| B=Radius | Outlet=2 | C2=None |
| C=Height | Angle Tolerance=0.000 | C3=None |
| D=Depth | Radius=Inner | C4=None |
| E=Left Length | | |
| F=Mid Length | | |
| G=Right Length | | |
| H=Vent Diameter | | |
| I=Vent Offset | | |

Seams

Damper:

Pattern: 2326

Pipework

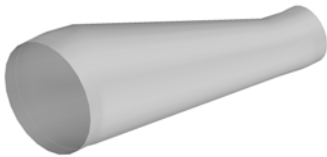


| Dims | Options | Conn's |
|--------------------|------------------------------|---------|
| A=Bottom Diameter | Number Of Segments=4 | C1=None |
| B=Top Diameter | Pipe Diameter Type=Nominal | C2=None |
| C=Inner Radius | Branch Diameter Type=Nominal | C3=None |
| D=Angle | Middle Segment=Yes | C4=None |
| E=Bottom Extension | Angle Tolerance=0.000 | |
| F=Top Extension | Reducing Branch=0.000 | |
| G=Branch Diameter | Rotation=0.000 | |
| H=Branch Length | Branch Only=No | |
| I=Branch Angle | Inlet=2 | |
| J=Branch Extension | Outlet=3 | |
| K=Branch Offset | Full Intersections=No | |
| | Item Volume=Segmented | |
| | | Seams |
| | | S1=None |
| | | S2=None |

Damper:

Pattern: 2386

Pipework



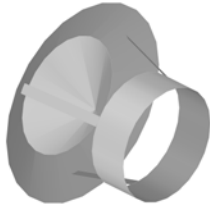
| Dims | Options | Conn's |
|------------------|-----------------------------|---------|
| A=Left Diameter | Left Diameter Type=Nominal | C1=None |
| B=Right Diameter | Right Diameter Type=Nominal | C2=None |
| C=Length | | C3=None |
| D=Offset | | |
| E=Left Collar | | |
| F=Right Collar | | |
| G=Inner Radius | | |

| 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/Equipment



| 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 | |
| | Hidden Detail=Yes | |

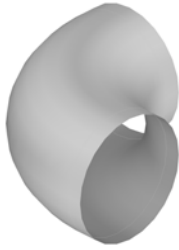
Seams

S1=None

Damper:

Pattern: 2523

Pipework



| Dims | Options | Conn's |
|--------------------|--------------------------------------|--------------|
| A=Diameter | Number Of Segments=16 | 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 | |
| | Centreline Length With Extensions=No | |
| | Inlet=2 | |
| | Outlet=3 | |
| | Item Volume=Segmented | |
| | | Seams |
| | | S1=None |

Damper: None
None

Pattern: 2524

Pipework/Equipment

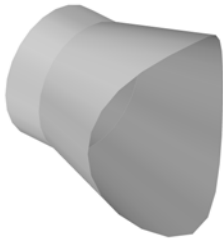


| Dims | Options | Conn's |
|------------------|--------------------|--------------|
| A=Diameter | Sex Type=Male | C1=None |
| B=Collar | Number of Sides=0 | |
| C=Length | Back Fillet=0.000 | |
| D=Offset | Front Fillet=0.000 | |
| E=Right Collar | Width=0.000 | |
| F=Right Diameter | Depth=0.000 | |
| 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 | | |

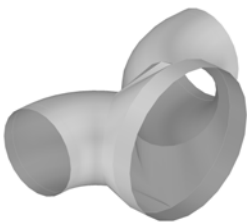
Seams

S1=None
S2=None
S3=None

Damper:

Pattern: 2821

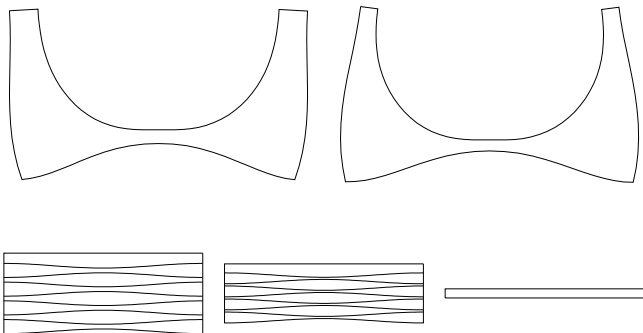
Pipework



| Dims | Options | Conn's |
|--------------------|------------------------------|---------|
| A=Bottom Diameter | Bottom Diameter Type=Nominal | C1=None |
| 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=None |
| 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 | | |

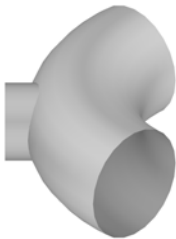
| Seams |
|---------|
| S1=None |

Damper:



Pattern: 2857

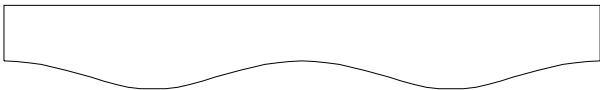
Pipework/Equipment



| 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: 2868

Pipework/Equipment



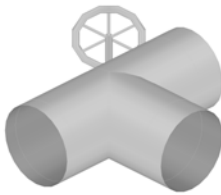
| Dims | Options | Conn's |
|---------------------------|----------------------------|---------|
| A=Diameter | Type=Round | C1=None |
| B=Left Collar | Number Of Struts=6 | C2=None |
| C=Right Collar | Handle Inline with Body=No | |
| D=Shaft Diameter #1 | Handle Type=Round | |
| E=Shaft Diameter #2 | Handle Rotation=0.000 | |
| F=Shaft Diameter #3 | Draw Globe as Disc=No | |
| G=Shaft Diameter #4 | Nut Sides=6 | |
| H=Shaft Length #1 | Square Handle=Mitred | |
| I=Shaft Length #2 | | |
| J=Shaft Length #3 | | |
| K=Shaft Length #4 | | |
| L=Handle Diameter | | |
| M=Handle Angle | | |
| N=Strut Diameter | | |
| O=Handle Length | | |
| P=Globe X Diameter | | |
| Q=Globe Y Diameter | | |
| R=Box Width | | |
| S=Box Depth | | |
| T=Box Height | | |
| U=Square Handle Length | | |
| V=Square Handle Thickness | | |
| W=Square Handle Fillet | | |
| X=Bonnet X Offset | | |
| Y=Bonnet Y Offset | | |
| Z=Nut Length | | |
| a=Nut Thickness | | |
| b=Nut Top Fillet | | |

Seams

Damper:

Pattern: 2869

Pipework/Equipment



| Dims | Options | Conn's |
|---------------------------|-------------------------------|---------|
| A=Diameter | Number Of Struts=6 | C1=None |
| B=Left Length | Handle Inline with Body=No | C2=None |
| C=Right Length | Handle Type=Round | C3=None |
| D=Left Collar | Handle Rotation=0.000 | |
| E=Right Collar | Draw Globe as Disc=No | |
| F=Branch Diameter | Nut Sides=6 | |
| G=Branch Length | Square Handle=Mitred | |
| H=Branch Collar | Length Includes Extensions=No | |
| I=Shaft Diameter #1 | Branch Rotation=0.000 | |
| J=Shaft Diameter #2 | Inlet=1 | |
| K=Shaft Diameter #3 | Outlet=2 | |
| L=Shaft Diameter #4 | | |
| M=Shaft Length #1 | | |
| N=Shaft Length #2 | | |
| O=Shaft Length #3 | | |
| P=Shaft Length #4 | | |
| Q=Handle Diameter | | |
| R=Handle Angle | | |
| S=Strut Diameter | | |
| T=Handle Length | | |
| U=Globe X Diameter | | |
| V=Globe Y Diameter | | |
| W=Box Width | | |
| X=Box Depth | | |
| Y=Box Height | | |
| Z=Square Handle Length | | |
| a=Square Handle Thickness | | |
| b=Square Handle Fillet | | |

Seams

Damper:

Pattern: 2873

Pipework/Equipment



| 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: 2875

Pipework



| 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=None |
| 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 | |
| | 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

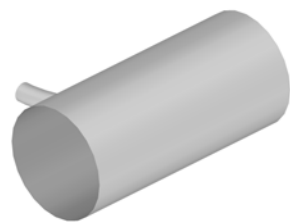
Damper: None

None

None

Pattern: 2881

Pipework/Equipment



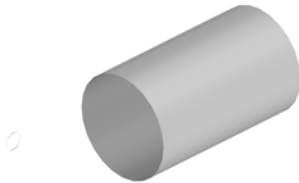
| Dims | Options | Conn's |
|-------------------|-----------------------------------------|---------|
| A=Pipe Diameter | Type=Supply | C1=None |
| B=Branch Diameter | Angle Tolerance=0.000 | C2=None |
| C=Branch Length | Inlet=2 | |
| D=Angle | Outlet=1 | |
| E=Collar | Branch Centreline Length With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

Seams

Damper:

Pattern: 2882

Pipework/Equipment



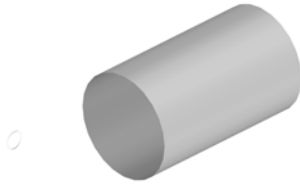
| Dims | Options | Conn's |
|----------------------|-----------------------|---------|
| A=Pipe Diameter | Type=Supply | C1=None |
| B=Branch Diameter #1 | Rotation=0.000 | C2=None |
| C=Branch Length #1 | Angle Tolerance=0.000 | C3=None |
| D=Pipe Length | Inlet=2 | C4=None |
| E=Inset #1 | Outlet=3 | C5=None |
| F=Left Collar | Number Of Segments=12 | C6=None |
| 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/Equipment



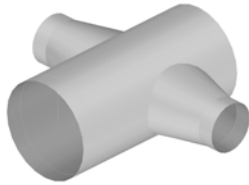
| Dims | Options | Conn's |
|----------------------|-----------------------|---------|
| A=Pipe Diameter | Type=Supply | C1=None |
| B=Branch Diameter #1 | Rotation=0.000 | C2=None |
| C=Branch Length #1 | Angle Tolerance=0.000 | C3=None |
| D=Pipe Length | Inlet=1 | C4=None |
| E=Inset #1 | Outlet=2 | C5=None |
| F=Left Collar | Number Of Segments=12 | C6=None |
| 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 | |
| M=Collar #1 | Plate Border (Width)=Equal | |
| N=Hole Offset #1 | Plate Type=Rectangular | |
| 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 | | |

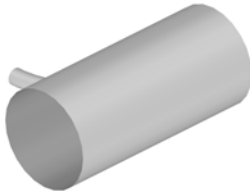
Seams

Damper:



Pattern: 2885

Pipework/Equipment



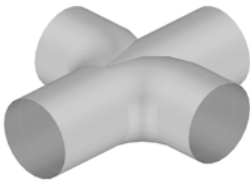
| Dims | Options | Conn's |
|----------------------|-----------------------|---------|
| A=Pipe Diameter | Type=Supply | C1=None |
| B=Branch Diameter #1 | Angle Tolerance=0.000 | C2=None |
| C=Branch Length #1 | Inlet=2 | |
| D=Angle #1 | Outlet=1 | |
| E=Collar #1 | Number Of Segments=12 | |

Seams

Damper:

Pattern: 2886

Pipework/Equipment



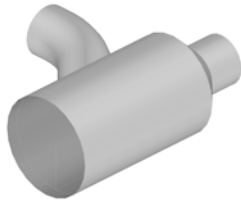
| Dims | Options | Conn's |
|-----------------------|-------------------------|---------|
| A=Pipe Diameter | Access Panel=No | C1=None |
| B=Pipe Length | Inlet=1 | C2=None |
| C=Left Extension | Outlet=2 | C3=None |
| D=Right Extension | Angle Tolerance=0.000 | C4=None |
| E=Branch Diameter #1 | Number 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 | | |
| M=Branch Length #2 | | |
| N=Branch Angle #2 | | |
| O=Branch Inset #2 | | |
| P=Branch Radius #2 | | |
| Q=Branch Extension #2 | | |
| R=Branch Rotation #2 | | |

Seams

Damper:

Pattern: 2899

Pipework



| Dims | Options | Conn's |
|--------------------------|----------------------|---------|
| A=Pipe Diameter | Number Of Segments=8 | C1=None |
| B=Partial Length | Inlet=1 | C2=None |
| C=Left Extension | Outlet=2 | C3=None |
| D=Right Extension | | C4=None |
| E=Branch Diameter | | C5=None |
| F=Branch Angle | | |
| G=Branch Inset | | |
| H=Bend Inset | | |
| I=Branch Height | | |
| J=Bend Extension | | |
| K=End Reducer Diameter | | |
| L=End Reducer Length | | |
| M=Branch Reducer Diam... | | |
| N=Branch Reducer Length | | |

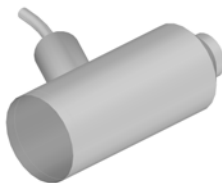
Seams

S1=None
S2=None

Damper:

Pattern: 2900

Pipework



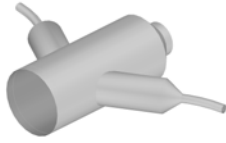
| Dims | Options | Conn's |
|---------------------------|-----------------------------|---------|
| A=Pipe Diameter | Diameter Type=Outside | C1=None |
| B=Partial Length | Number Of Segments=4 | C2=None |
| C=Left Extension | Inlet=1 | C3=None |
| D=Right Extension | Outlet=2 | |
| E=Reducer Diameter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

Seams

Damper:

Pattern: 2901

Pipework



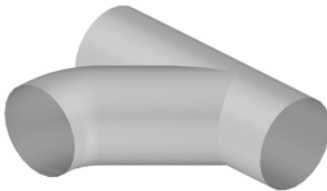
| Dims | Options | Conn's |
|----------------------------|-----------------------------|---------|
| A=Pipe Diameter | Diameter Type=Outside | C1=None |
| B=Partial Length | Number Of Segments=4 | C2=None |
| C=Left Extension | Inlet=1 | C3=None |
| D=Right Extension | Outlet=2 | C4=None |
| E=Reducer Diameter | Angle Tolerance=0.000 | |
| F=Reducer Length | Input=Partial Length | |
| G=Branch Reducer Diamo... | Lengths Include Collars=Yes | |
| H=Branch Reducer Lengt... | | |
| 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 Length... | | |
| 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: 2902

Pipework



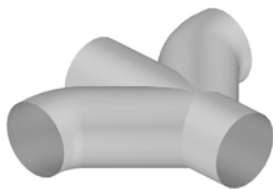
| Dims | Options | Conn's |
|--------------------|-----------------------|---------|
| A=Diameter | Radius=Centreline | C1=None |
| B=Length | Inlet=1 | C2=None |
| C=Extension | Outlet=2 | C3=None |
| D=Branch Diameter | Angle Tolerance=0.000 | |
| E=Branch Length | | |
| F=Branch Extension | | |
| G=Branch Inset | | |
| H=Bend Radius | | |
| I=Branch Angle | | |

Seams

Damper:

Pattern: 2903

Pipework



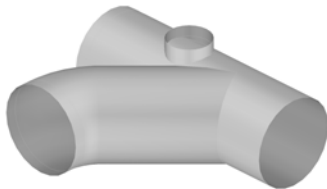
| Dims | Options | Conn's |
|-----------------------|-----------------------|---------|
| A=Diameter | Radius=Centreline | C1=None |
| B=Length | Inlet=1 | C2=None |
| C=Extension | Outlet=2 | C3=None |
| D=Branch Diameter #1 | Angle Tolerance=0.000 | C4=None |
| E=Branch Length #1 | | |
| F=Branch Extension #1 | | |
| G=Branch Inset #1 | | |
| H=Bend Radius #1 | | |
| I=Branch Angle #1 | | |
| J=Branch Diameter #2 | | |
| K=Branch Length #2 | | |
| L=Branch Extension #2 | | |
| M=Branch Inset #2 | | |
| N=Bend Radius #2 | | |
| O=Branch Angle #2 | | |

Seams

Damper:

Pattern: 2904

Pipework



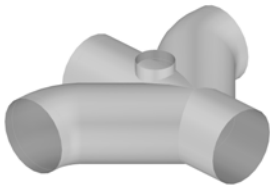
| Dims | Options | Conn's |
|--------------------|-----------------------|---------|
| A=Diameter | Type=Front | C1=None |
| B=Length | Radius=Centreline | C2=None |
| C=Extension | Inlet=1 | C3=None |
| D=Branch Diameter | Outlet=2 | C4=None |
| E=Branch Length | Angle Tolerance=0.000 | |
| F=Branch Extension | | |
| G=Branch Inset | | |
| H=Bend Radius | | |
| I=Branch Angle | | |
| J=Inlet Diameter | | |
| K=Inlet Length | | |
| L=Inlet Extension | | |
| M=Inlet Inset | | |
| N=Inlet Offset | | |

Seams

Damper:

Pattern: 2905

Pipework



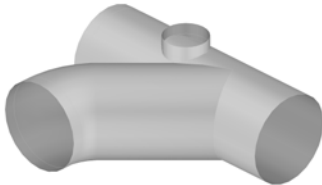
| Dims | Options | Conn's |
|-----------------------|-----------------------|---------|
| A=Diameter | Type=Front | C1=None |
| B=Length | Radius=Centreline | C2=None |
| C=Extension | Inlet=1 | C3=None |
| D=Branch Diameter #1 | Outlet=2 | C4=None |
| E=Branch Length #1 | Angle Tolerance=0.000 | C5=None |
| F=Branch Extension #1 | | |
| G=Branch Inset #1 | | |
| H=Bend Radius #1 | | |
| I=Branch Angle #1 | | |
| J=Branch Diameter #2 | | |
| K=Branch Length #2 | | |
| L=Branch Extension #2 | | |
| M=Branch Inset #2 | | |
| N=Bend Radius #2 | | |
| O=Branch Angle #2 | | |
| P=Inlet Diameter | | |
| Q=Inlet Length | | |
| R=Inlet Extension | | |
| S=Inlet Inset | | |
| T=Inlet Offset | | |

Seams

Damper:

Pattern: 2906

Pipework



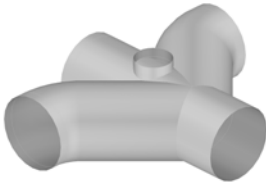
| Dims | Options | Conn's |
|--------------------|-----------------------|---------|
| A=Diameter | Radius=Centreline | C1=None |
| B=Length | Inlet=1 | C2=None |
| C=Extension | Outlet=2 | C3=None |
| D=Branch Diameter | Angle Tolerance=0.000 | C4=None |
| E=Branch Length | | C5=None |
| F=Branch Extension | | |
| G=Branch Inset | | |
| H=Bend Radius | | |
| I=Branch Angle | | |
| J=Inlet Diameter | | |
| K=Inlet Length | | |
| L=Inlet Extension | | |
| M=Inlet Inset | | |
| N=Inlet Offset | | |

Seams

Damper:

Pattern: 2907

Pipework



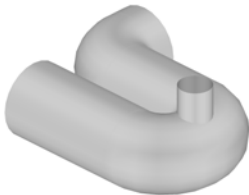
| Dims | Options | Conn's |
|-----------------------|-----------------------|---------|
| A=Diameter | Radius=Centreline | C1=None |
| B=Length | Inlet=1 | C2=None |
| C=Extension | Outlet=2 | C3=None |
| D=Branch Diameter #1 | Angle Tolerance=0.000 | C4=None |
| E=Branch Length #1 | | C5=None |
| F=Branch Extension #1 | | C6=None |
| G=Branch Inset #1 | | |
| H=Bend Radius #1 | | |
| I=Branch Angle #1 | | |
| J=Branch Diameter #2 | | |
| K=Branch Length #2 | | |
| L=Branch Extension #2 | | |
| M=Branch Inset #2 | | |
| N=Bend Radius #2 | | |
| O=Branch Angle #2 | | |
| P=Inlet Diameter | | |
| Q=Inlet Length | | |
| R=Inlet Extension | | |
| S=Inlet Inset | | |
| T=Inlet Offset | | |

Seams

Damper:

Pattern: 2916

Pipework/Equipment



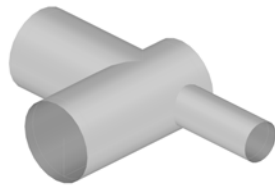
| Dims | Options | Conn's |
|---------------------|-----------------------|---------|
| A=Diameter | Rotation=0.000 | C1=None |
| B=Depth | Inlet=1 | C2=None |
| C=Height | Outlet=2 | C3=None |
| D=Bottom Radius | Angle Tolerance=0.000 | |
| E=Right Radius | | |
| F=Height | | |
| G=Angle Out | | |
| H=Base Angle | | |
| I=C2 Inner Diameter | | |
| J=Bottom Diameter | | |
| K=Bottom Length | | |
| L=Bottom Rotation | | |

Seams

Damper:

Pattern: 2938

Pipework



| Dims | Options | Conn's |
|----------------------|------------------------------|---------|
| A=Pipe Diameter | Pipe Diameter Type=Nominal | C1=None |
| B=Pipe Length | Branch Diameter Type=Nominal | C2=None |
| C=Left Extension | Number Of Segments=4 | C3=None |
| D=Right Extension | Correct Branch Insets=Yes | C4=None |
| E=Branch Diameter #1 | Insets To Branch End=No | C5=None |
| F=Centre Radius #1 | Heights To Bend End=No | |
| G=Angle #1 | Inlet=1 | |
| H=Inset #1 | Outlet=2 | |
| I=Height #1 | | |
| J=Twist Angle #1 | | |
| K=Extension #1 | | |
| L=Branch Diameter #2 | | |
| M=Centre Radius #2 | | |
| N=Angle #2 | | |
| O=Inset #2 | | |
| P=Height #2 | | |
| Q=Twist Angle #2 | | |
| R=Extension #2 | | |

Seams

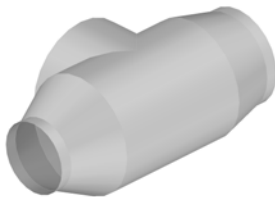
S1=None

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

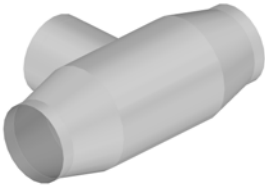
S3=None

Damper:



Pattern: 2966

Pipework



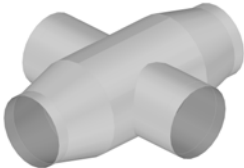
| Dims | Options | Conn's |
|------------------------|-----------------------------|---------|
| A=Left Diameter | Lengths Include Collars=Yes | C1=None |
| B=Left Length | Inlet=2 | C2=None |
| C=Left Reducer Length | Outlet=3 | C3=None |
| D=Left Collar | Angle Tolerance=0.000 | C4=None |
| E=Left 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



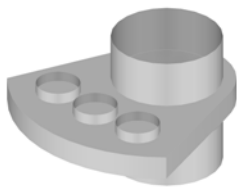
| Dims | Options | Conn's |
|------------------------|-----------------------------|---------|
| A=Left Diameter | Lengths Include Collars=Yes | C1=None |
| B=Left Length #1 | Inlet=2 | C2=None |
| C=Left Length #2 | Outlet=3 | C3=None |
| D=Left Reducer Length | Angle Tolerance=0.000 | C4=None |
| E=Left 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



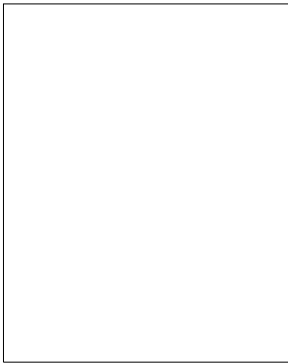
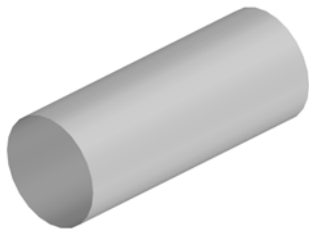
| Dims | Options | Conn's |
|-----------------|---------|---------|
| A=Diameter | | C1=None |
| B=Distance | | C2=None |
| C=Distance | | C3=None |
| D=Radius | | C4=None |
| E=Width | | C5=None |
| F=Top Collar | | |
| G=Bottom Collar | | |
| H=Height | | |
| I=Height | | |
| J=Hole Diameter | | |
| 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



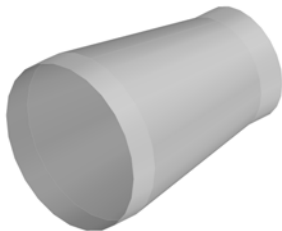
| Dims | Options | Conn's |
|-------------------|-------------------------------------|---------|
| A=Diameter | Seam Position=0.000 | C1=None |
| B=Length | Diameter Type=Nominal | C2=None |
| C=Left Extension | Lengths Include Connector Adjust=No | |
| D=Right Extension | Pipe Parts=1 | |
| | First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

| Seams |
|---------|
| S1=None |

Damper: None
None

Pattern: 3051

Pipework



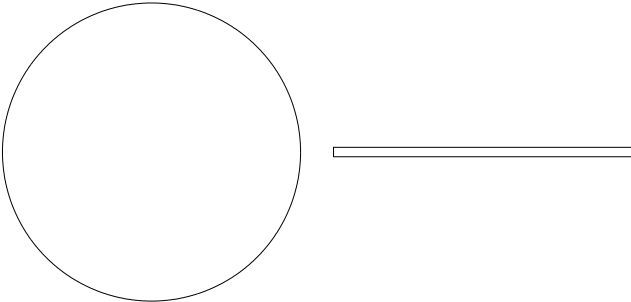
| Dims | Options | Conn's |
|-------------------|-------------------------------|---------|
| A=Diameter In | Diameter Type BE=Nominal | C1=None |
| B=Diameter Out | Diameter Type SE=Nominal | C2=None |
| C=Length | Cross Break=1 | |
| D=Left Extension | Length Break=1 | |
| E=Right Extension | Seam For Weathering=No | |
| F=Angle | Input=Length | |
| | Length Includes Extensions=No | |
| | Auto Oversize=Normal | |

Seams
S1=None

Damper: None
None

Pattern: 3060

Pipework



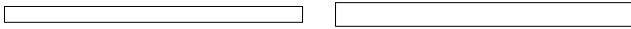
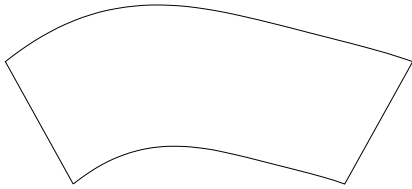
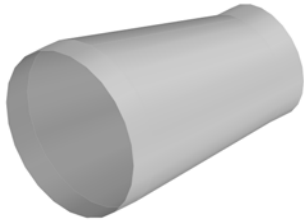
| Dims | Options | Conn's |
|---------------------|-----------------------|---------|
| A=Diameter B=Collar | Diameter Type=Nominal | C1=None |
| C=Height | | |

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 | Marker Type=Notch | |
| G=Round Angle | Length Includes Extensions=No | |

Seams

S1=None

Damper: None
None

Pattern: 3108

Pipework/Equipment



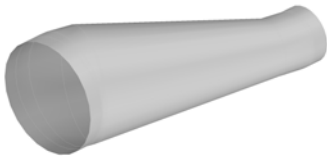
| Dims | Options | Conn's |
|-------------------------------|-----------------------------------|---------|
| A=Diameter | Bend Radius=4.000 | C1=None |
| B=Length | Factor Type=Multiples Of Diameter | C2=None |
| C=Lead Length | Max Length=0.000 | |
| D=Straight 1 Start->Straig... | Number Of Round Sections=12 | |
| E=Straight 1 Start->Bend ... | Length=Auto | |
| F=Bend 1 X Angle | Length Adjust=0.000 | |
| G=Bend 1 Y Angle | Number Of Segments=Auto | |
| H=Straight 2 Start->Straig... | Straight Annotation=Up | |
| I=Bend 1 Center->Bend 2 ... | Bend Annotation=Front | |
| J=Bend 2 X Angle | Allowance=Default | |
| K=Bend 2 Y Angle | | |
| L=Straight 3 Start->Straig... | | |
| M=Bend 2 Center->Bend ... | | |
| N=Bend 3 X Angle | | |
| O=Bend 3 Y Angle | | |
| P=Straight 4 Start->Straig... | | |
| Q=Bend 3 Center->Bend ... | | |
| R=Bend 4 X Angle | | |
| S=Bend 4 Y Angle | | |
| T=Straight 5 Start->Straig... | | |
| U=Bend 4 Center->Straig... | | |

Seams

Damper:

Pattern: 3386

Pipework



| Dims | Options | Conn's |
|------------------|-----------------------------|---------|
| A=Left Diameter | Left Diameter Type=Nominal | C1=None |
| B=Right Diameter | Right Diameter Type=Nominal | C2=None |
| C=Length | | C3=None |
| D=Offset | | |
| E=Left Collar | | |
| F=Right Collar | | |
| G=Inner Radius | | |

| Seams |
|---------|
| S1=None |

Damper: None
None

Pattern: 3522

Pipework/Equipment



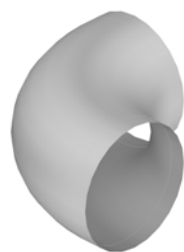
| Dims | Options | Conn's |
|------------------|--------------------|---------|
| A=Diameter | Sex Type=Male | C1=None |
| B=Collar | Number of Sides=0 | C2=None |
| C=Length | Back Fillet=0.000 | |
| D=Offset | Front Fillet=0.000 | |
| E=Right Collar | Width=0.000 | |
| F=Right Diameter | Depth=0.000 | |
| | 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/Equipment



| Dims | Options | Conn's |
|--------------------|--------------------------------|---------|
| A=Diameter | Number Of Segments=16 | 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 | |

Seams
S1=None

Damper: None
None

Pattern: 3873

Pipework/Equipment



| 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/Equipment



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

Seams

Damper: