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Ref: 9900-I-M3FS1 I

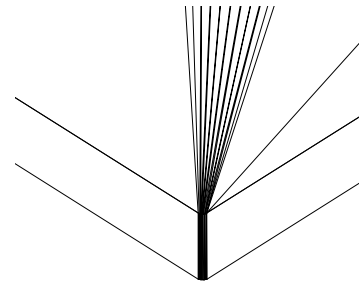
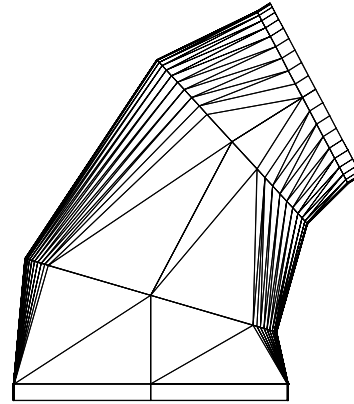
FastSHAPES® - BEND 32Bit

TYPICAL APPLICATIONS

Bulk Materials Handling - chutes
 Mine Ventilation/Access
 Fluids Conveying - transitions and transformers.
 `Industrial strength` structures, thick plate.

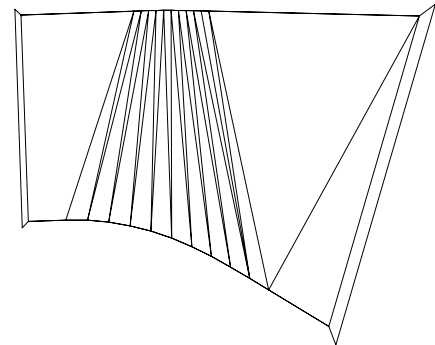
TECHNICAL DESCRIPTION

BEND provides a multi-gored bend between two ducts.
 Ducts may have different shaped cross-sections.
 Shapes are `rectircles`, i.e. round cornered rectangles.
 Rectircle describes rectangular, circular, & obround shapes.
 From 2 to 10 gores permitted.
 Bend angle from 1 degree to 180 degrees.
 Collars optional, integral when possible (prismatic bend)
 Gores Standard (Half Angle Ends) & Eschenburg (Equal Angle Gores) Setouts
 Bend radius on inside, outside or centreline of bend.
 Up to 8 longitudinal seams per gore.
 Uses Triangulation development method as standard.
 Also `AutoNest` & radial line development when possible.



DATA REQUIREMENTS

Inlet and Outlet shape dimensions
 Material, Plate thickness
 Bend Angle
 Bend Radius and location (inside/outside/centreline)
 Number of Gores
 Gore Sizing - Automatic/Equal Angle/Half Angle Ends
 Collar lengths (optional)
 Longitudinal Seam Locations
 Green, and seam offset dimensions.
 `AutoNest` seam location data (optional)



Continued....

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FastSHAPES[®] - BEND

OUTPUT

Patterns in any of the following forms ...

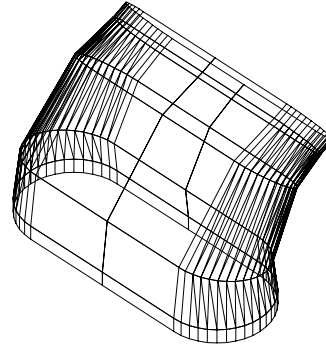
FastCAM file

2D DXF file, 3D DXF File

NC Program

Coordinate Table

Costing Data, including Mass & Length of Cut



PROGRAM REFERENCE

M3FS11 : BEND

OTHER REFERENCES

M3FS7 : RECTIRCLE (Rectircular transitions and transformers)

M3FS12 : ELBOW (Reducing circular cross-section bends)

M3FS13 : LOBSTER (Reducing circular cross-section bends)

M3FS21 : PENSTOCK (General right-circular-conical bends)

COMMON NAME

SQUARE TO ROUND BEND

