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Ref: 9900-I-M3FS12

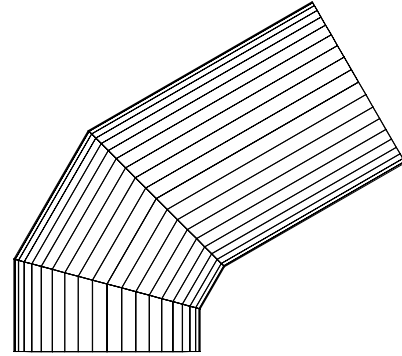
FastSHAPES® - ELBOW 32Bit

TYPICAL APPLICATIONS

Bulk Materials Handling - chutes
 Fluids Conveying - transitioning bends, vents.

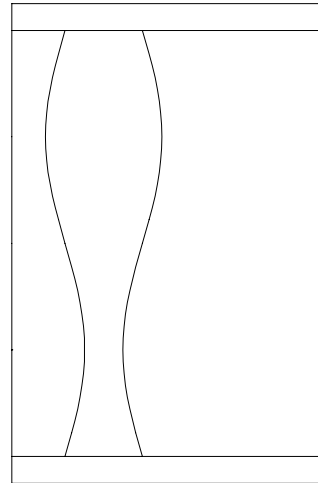
TECHNICAL DESCRIPTION

ELBOW provides a multi-gored bend between two ducts.
 Ducts have circular cross-sectional shape.
 Duct size remains constant between inlet and outlet.
 From 2 to 10 gores permitted.
 Bend angle from 1 degree to 180 degrees.
 Collars optional, integral when possible (prismatic bend)
 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

Diameter, Material, Plate thickness, Bend Angle
 Bend Radius and location (inside/outside/centreline)
 Number of Gores, Collar lengths (optional)
 Longitudinal Seam Locations
 Green, and seam offset dimensions.
 'AutoNest' seam location data (optional)



OUTPUT

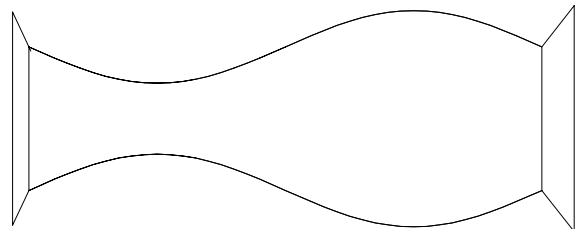
Patterns in any of the following forms ...
 FastCAM file
 2D DXF file, 3D DXF File
 NC Program, Coordinate Table
 Costing Data, including Mass & Length of Cut

PROGRAM REFERENCE

M3FS12 : ELBOW

OTHER REFERENCES

M3FS9 : OBCONE (Oblique Cone = Circular Transitions)
 M3FS11 : BEND (Rectircular cross-section bends)
 M3FS13 : LOBSTER (Reducing circular cross-section bends)
 M3FS21 : PENSTOCK (General right-circular-conical bends)



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