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Ref. 9900-I-M3FS13

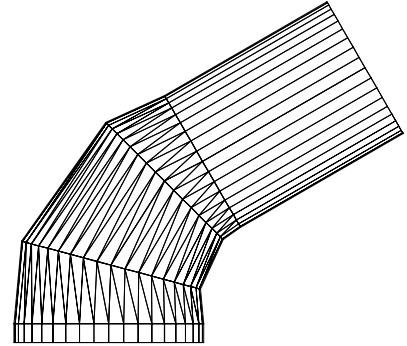
# FastSHAPES® - LOBSTER 32Bit

## TYPICAL APPLICATIONS

Bulk Materials Handling - chutes  
Fluids Conveying - gored (lobsterback) pipe bends, vents.

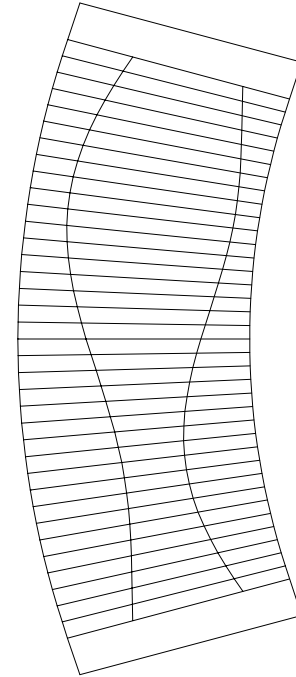
## TECHNICAL DESCRIPTION

LOBSTER provides a multi-gored bend between two ducts.  
Ducts have circular cross-sectional shape.  
Duct size may vary between inlet and outlet.  
From 2 to 10 gores permitted.  
Bend angle from 1 degree to 180 degrees.  
Collars optional, integral when specified  
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.



## DATA REQUIREMENTS

Inlet and Outlet diameters, 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

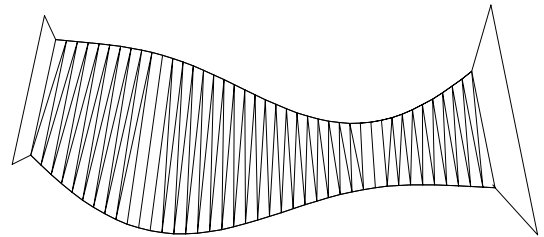
Patterns in any of the following forms ...  
FastCAM file  
2D DXF file, 3D DXF File  
NC Program, Coordinate Table  
Costing Data, including Mass & Length of Cut

## PROGRAM REFERENCE

M3FS13 : LOBSTER

## OTHER REFERENCES

M3FS9 : OBCONE (Oblique Cone = Circular Transitions)  
M3FS11 : BEND (Rectircular cross-section bends)  
M3FS12 : ELBOW (Constant circular cross-section bends)  
M3FS21 : PENSTOCK (General right-circular-conical bends)



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**Fagan Microprocessor Systems Inc dba FASTCAM Inc**  
8700 West Bryn Mawr, Suite 800 South, Chicago IL  
60631-3507 USA  
Telephone 312 715 1535 Facsimile 312 715 1536  
Email [fastcam@fastcamusa.com](mailto:fastcam@fastcamusa.com)

FASTCAM Pty Ltd ACN 007 241 885  
96 Canterbury Road, Middle Park, Victoria 3206, Australia  
P.O. Box 258, Albert Park 3206  
Telephone 61 3 9699 9899 Facsimile 61 3 9699 7501  
Email [fastcam@fastcam.com.au](mailto:fastcam@fastcam.com.au)