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Ref: 9900-I-M3FS7

FastSHAPES® - RECTIRCLE 32Bit

TYPICAL APPLICATIONS

Bulk Materials Handling - hoppers and chutes.
 Fluids Conveying - ducts, transitions,
 - transformers, hoods, shrouds.
 'Industrial strength' structures - thick plate.

TECHNICAL DESCRIPTION

Uses triangulation development method, two setout types .
 Covers finite thickness 3D plate structures.
 Structure connects between user-located shapes.
 Shapes are 'rectircles', i.e. round cornered rectangles.
 Rectircle describes circle, rectangle, obround, etc.
 Elliptical cross-sections also provided for, and ...
 A 'half-shape' may be defined at one end.
 Optional automatic mitreing at ends, for improved flow.
 Optional prismatic collars, mandatory when with mitres.
 Automatic compensation for tightly pressed thick plate.

DATA REQUIREMENTS

Inlet and outlet cross-sectional shape parameters.
 Position and direction of outlet relative to inlet.
 Collar lengths and mitreing options.
 Material & Plate thickness.
 Longitudinal joint locations (up to 8 joints)
 Number of strakes in main body (up to 10 strakes)
 Green, and provision for longitudinal seam offsets.

OUTPUT

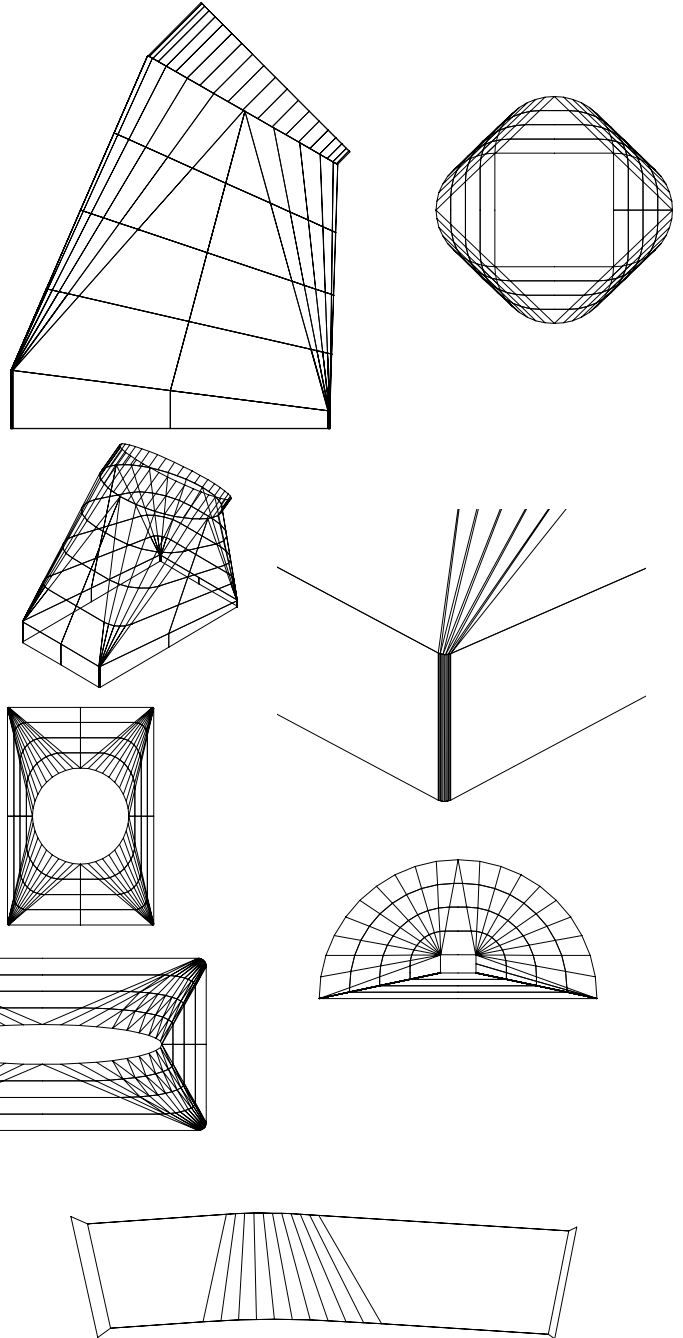
Patterns in any of the following forms ...
 FastCAM file
 2D DXF file, 3D DXF File
 NC Program
 Costing Data, including Mass & Length of Cut

PROGRAM REFERENCE

M3FS7 : RECTIRCLE

OTHER REFERENCES

M3FS11 : BEND (Multi-gore rectircular bends)



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