



DXF GEOMETRY & MANUFACTURING REPORT

SAMPLE OUTPUT - Fictional logo drawing. Example settings: 3 mm mild steel. Not production data.

DXF SOURCE FILE

SAMPLE-Logo.dxf

SYSTEM UNITS

MM

MATERIAL

Mild Steel

THICKNESS

3 mm

EST. PART WEIGHT

0.358 kg

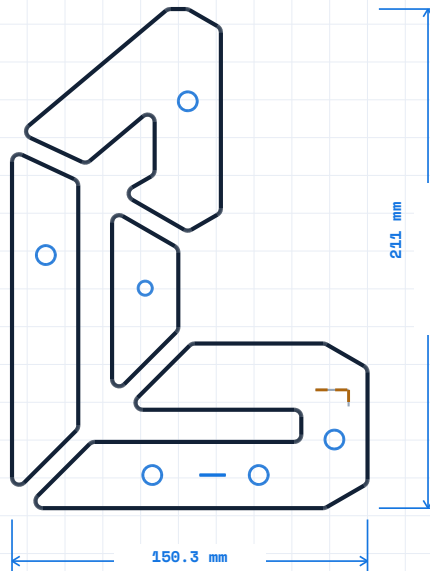
2D Geometry & Toolpath Schematic

— OUTER

— INNER

- - - ETCH

BOUNDING ENVELOPE: 150.3 mm x 211 mm



Manufacturing Summary

	Overall bounding size	150.3 mm x 211 mm
	Total cut length	1,511.937 mm
	Net surface area	15,216.113 mm ²
	Pierces	12
	Closed contours	11
	Open contours / gaps	1
	Potential parts	4

Density used: 7,850 kg/m³

Geometry Audit Checklist

4/7 PASSED

	Units Scale	PASS
	Contour Closure	WARNING
	Duplicate Geometry	WARNING
	Tiny Zero Length	PASS
	Self Intersection	PASS
	Entity Support	PASS
	Arc Tangency	NOT-APPLICABLE
	Part Topology	REVIEW

Review findings against the original CAD and your manufacturing process.



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