

All Searing Industries structural tubing is produced in accordance with the mechanical and chemical property requirements of CSA G40.21, Class C Hollow Sections.

## CSA G40.21

CSA G40.21 HSS are cold-formed, welded carbon steel structural tubes produced to Canadian standards, available in round, square, rectangular, and special-profile shapes, either welded or seamless.

## CLASS C HOLLOW SECTIONS

Manufacturing	Cold-formed, seamless or electric-welded with a continuous weld.
Application	Structural and load-bearing applications.

## CSA G40.21-2013

Description	Structural-quality steel for rolled or welded applications.
Application	Plates, shapes, hollow sections, sheet, piling, channels, and bars for construction.

MECHANICAL PROPERTIES	
Specification	G40.21 (50W / 350W)
Yield Strength	50,000 PSI (350 MPa) Minimum
Tensile Strength	65,000–90,000 PSI (450–620 MPa)
Elongation % in 2"	22 Minimum

CHEMICAL COMPOSITION	
ELEMENT	MAXIMUM PERCENTAGE
Carbon	0.23%
Manganese	0.50–1.50%
Phosphorous	0.040%
Sulphur	0.050%
Silicon	0.40%
Grain Refining Elements	0.10%

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