stelco.com

STELMAX™90
Hot Rolled Ultra High Strength Steel (UHSS)

Stelco produces strong, high performance hot rolled grades of steel for the demanding needs of North American manufacturers. Our STELMAX™ product portfolio contains formable hot rolled steels engineered to meet the rising expectations of our customers.

To learn more about STELMAX™90 contact a Stelco Sales or Customer Technical Service Representative.

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STELMAX™90 Applications

STELMAX™90 is a low carbon, microalloyed, fine grain steel that allows product designers to down gauge or to replace heat treated material without compromising component performance. This design flexibility can lead to considerable weight reduction and cost savings for roll formed, stamped or fabricated components and assemblies.

Typical applications include, but are not limited to, automotive safety components, frames, structures, bumper components, and tubular products.

Stelco has on-site pickling facilities to remove surface oxide which is inherent during the hot rolling process.

Size Availability

Thickness* 0.098” - 0.375”
2.5 mm - 9.5 mm

Max Width* 72”
1828 mm

* Product width is a function of thickness – maximum width is not available across the full gauge range

* Please inquire about products outside of these limits

STELMAX™90 Product Performance

STELMAX™90 is manufactured using stringent composition and hot rolling temperature controls that minimize mechanical property variability while maximizing weldability, formability and flangeability.

Stelco’s Coilbox technology provides best-in-class through coil and cross width coil mechanical property consistency.

STELMAX™90 is available ordered to ASTM specifications as outlined below:

Specification †	Minimum Yield Strength		Minimum Tensile Strength		Minimum Elongation (2”)
	ksi	MPa	ksi	MPa	
ASTM A1011	90	620	100	690	14%
ASTM A1018					10%

† Please inquire about comparable material specifications