stelco.com

STELMAX™80

Hot Rolled High Strength Low Alloy (HSLA) Steel

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™80 contact a Stelco Sales or Customer Technical Service Representative.

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STELMAX™80 Applications

STELMAX™80 is a low carbon, microalloyed steel that allows product designers to down gauge material without compromising component performance. This design flexibility can lead to considerable cost savings and weight reductions for stamped, roll formed and fabricated components and assemblies.

Typical applications include, but are not limited to, seat assembly components, automotive frames, suspension components, brackets, bumpers, structural 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* 0.075” - 0.500”
1.9 mm - 12.7 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™80 Product Performance

STELMAX™80 is manufactured using stringent composition and hot rolling temperature controls that minimize mechanical property variability while maximizing weldability and formability.

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

STELMAX™80 is available in ASTM, SAE and CSA grades with the minimum mechanical property values outlined below:

Specification †	Minimum Yield Strength		Minimum Tensile Strength		Minimum Elongation (2”)
	ksi	MPa	ksi	MPa	
ASTM A1011	80	550	90	620	18%
ASTM A1018					12%
SAE J2340					18%
ASTM A656**					15%
CSA G40.21					15%

† Please inquire about comparable material specifications

**Coil product supplied for conversion to plate specification

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