

Automotive Products

Hot Rolled





Stelco produces strong, high performance hot rolled grades of steel for the demanding needs of the North American automotive sector.

Our product portfolio contains grades ranging from formable drawing steels to ultra high strength and alloy steels. Through advanced research and customer collaboration, Stelco strives to develop innovative steel products to meet the rising expectations of today's automotive industry.

Hot Rolled Product Applications

Stelco's selection of automotive grade hot rolled steel offers product designers the versatility of choosing the right steel for each specific application. This design flexibility can lead to considerable cost savings and weight reductions for stamped, roll formed and fabricated components & assemblies.

Typical applications of Stelco's hot rolled products include, but are not limited to, safety components, seat assembly components, automotive frames, wheel discs, rims, suspension components, brackets, bumpers and structural components.

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

Size Availability

Thickness** 0.075" - 0.625"
1.9mm - 15.9mm

Max Width** 72.5"
1842 mm

** Product width is a function of grade and thickness – maximum width is not available across the full hot rolled product gauge range

** Please inquire about products outside of these limits

To learn more about Stelco's family of hot rolled products contact a Stelco Sales or Customer Technical Service Representative.

Product Performance

Stelco's hot rolled products are 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.

Grade Availability[†]

- **STELMAX™ High Strength Low Alloy Steel (HSLA) with minimum yield strengths ranging from 35 ksi to 100 ksi (240 MPa - 690 MPa) in 5 ksi (35 MPa) increments:**
 - » ASTM A1011 & ASTM A1018
 - » SAE J2340
- SAPH 370 & SAPH 440 (JIS G3113)
- SPFH 540 & SPFH 590* (JIS G3134)
- **Formable grades suitable for severe forming, bending and drawing:**
 - » CS, DS, HR0 HR1, HR2, HR3*
 - » SPH270C, SPH270D, SPH270E* & 10B25
 - » EN10111 & EN10149
- **Grade development:**
 - » Stelco actively collaborates with customers to develop grades of steel, both proprietary and non-proprietary, to meet desired performance requirements.

[†] Please inquire about comparable material specifications or grades not listed

* Please inquire about this product