

# Product Overview

Hot Rolled





Stelco's Lake Erie Works is an integrated steelmaking facility located on the north shore of Lake Erie in Nanticoke, Ontario. This central location makes Stelco ideal for supplying North American manufacturers and steel service centers with high performance, hot rolled grades of steel. Through advanced research and customer collaboration, Stelco strives to develop innovative steel products to meet the rising expectations of today's marketplace.

## Hot Rolling Technology

Stelco's Lake Erie hot strip mill utilizes three slab reheating furnaces, a vertical edger & reversing rougher, a Coilbox, a six-stand finishing train, an advanced run-out table cooling system and two down coilers. These hot rolling technologies, coupled with Stelco's strict composition control, produce steel with best-in-class through and cross coil mechanical property consistency.

With excellent gauge, crown, shape control and minimized mechanical property variability, Stelco's hot rolled steels are supplied to the automotive, agricultural, pipe & tube and structural markets.

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

† Please inquire about comparable material specifications or grades not listed

\* Please inquire about this product

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

## Grade Availability<sup>†</sup>

- **Formable Steels:**
  - » ASTM A1011 & ASTM A1018
  - » SAE J2329
  - » JIS G3131
  - » EN10111
- **High and Ultra High strength Steels:**
  - » ASTM A1011 & ASTM A1018
  - » ASTM A656
  - » SAE J2340
  - » JIS G3113 & JIS G3134
  - » EN10149
- **Structural Steels:**
  - » CSA G40.21
  - » ASTM A1011 & ASTM A1018
  - » ASTM A36
  - » ASTM A572
- **Composition Steels:**
  - » ASTM A506 & ASTM A507
  - » SAE J404
- **Coil for Conversion to Pipe and Tube Steels:**
  - » API 5L & API 5CT
  - » CSA Z245.1
  - » ASTM A53 & ASTM A252
  - » ASTM A500 & ASTM A1085
- **Low Temperature Impact Critical Steels**
- **Heat Treatable Steels**
- **Abrasion Resistant Steels**
- **Weathering Steels**
- **Grade Development:**
  - » Stelco actively collaborates with customers to develop grades of steel, both proprietary and not proprietary, to meet desired performance requirements.