Stelco produces strong, high performance advanced high strength steel for the demanding needs of North American manufacturers.

Our STELMAX™ product portfolio contains innovative steels engineered to meet the rising expectations of our customers.

To learn more about STELMAX™1300M contact a Stelco Sales or Customer Technical Service Representative.
STELMAX™ 1300M
Cold Rolled Ultra-High Strength Steel

STELMAX™ 1300M Applications

STELMAX™ 1300M is an ultra-high strength cold rolled fully martensitic steel with a minimum tensile strength of 1300MPa.
Stelco's steel is toll-processed on a continuous annealing line that uses state-of-the-art hydrogen quench technology which produces a strip with excellent shape versus conventional cold water quench technology.

This steel's high strength-to-weight ratio makes it ideal for automotive and non-automotive lightweight applications such as roll-formed and tubular components.

Size Availability

Thickness
0.020” - 0.071”
0.5 mm - 1.8 mm

Max Width
30” - 48”
760 mm - 1220 mm

Mechanical Properties

<table>
<thead>
<tr>
<th>Grade</th>
<th>Yield Strength Min - Max (MPa)</th>
<th>Tensile Strength Min - Max (MPa)</th>
<th>Elongation Min (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1300</td>
<td>1030 - 1300</td>
<td>1300 - 1500</td>
<td>3%</td>
</tr>
</tbody>
</table>

Mechanical properties tested as per ASTM in the longitudinal direction

Chemistry

<table>
<thead>
<tr>
<th>Grade</th>
<th>C</th>
<th>Mn</th>
<th>Al</th>
<th>Ti</th>
<th>Cr+Mo</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>1300</td>
<td>0.25</td>
<td>1.0</td>
<td>0.07</td>
<td>0.05</td>
<td>0.5</td>
<td>0.004</td>
</tr>
</tbody>
</table>

Maximum % element composition