ASTM Specifications for Product Designations

ASTM Specification A568

- This specification covers all of the general requirements related to Cold Rolled Steel Sheet products. General requirements relate to dimensional tolerances, testing practices, etc. Items that relate to the specific product designations are covered in the following individual product specifications.

ASTM A606

- High Strength Steel with Improved Corrosion Resistance (HSLAS)

ASTM A1008

- Commercial Steel (CS)
- High Strength with Columbium or Vanadium (HSLA or HSLA-F)
- Structural Steel (SS)
- Drawing Steel (DS)
- Deep Drawing Steel (DDS)
- Extra Deep Drawing Steel (EDDS)

ASTM A794

- Commercial Steel (CS) with 0.15 to 0.25% carbon
# ASTM A1008 Structural Steel Mechanical Property Requirements

<table>
<thead>
<tr>
<th>ASTM Designation</th>
<th>Yield Strength Minimum, KSI</th>
<th>Tensile Strength Minimum, KSI</th>
<th>Elongation in 2&quot; Minimum, %</th>
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</thead>
<tbody>
<tr>
<td>Grade 25</td>
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<td>42</td>
<td>26</td>
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<tr>
<td>Grade 30</td>
<td>30</td>
<td>45</td>
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</tr>
<tr>
<td>Grade 33*</td>
<td>33</td>
<td>48</td>
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<tr>
<td>Grade 40*</td>
<td>40</td>
<td>52</td>
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<tr>
<td>Grade 80</td>
<td>80</td>
<td>82</td>
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</tbody>
</table>

(a) No requirement

* Grade 33 and Grade 40 are specified as Type 1 or Type 2 depending upon the desired chemical composition.