The ASTM specifications for billet-steel and low-alloy reinforcing bars (A615 and A706, respectively) require identification marks to be rolled into the surface of one side of the bar to denote the producer’s mill designation, bar size, type of steel and minimum yield designation. Grade 420 bars show these marks in the following order:

1st --- Producing Mill (usually a letter)

2nd --- Bar Size Number (# 4 through # 18)

3rd --- Type of Steel:  S  Billet (A 615)  W  for Low Alloy (A 706)

4th --- Minimum Yield Designation

The minimum yield designation for Grade 420 bars is either one (1) single, longitudinal line (grade line) or the number 4 (grade mark).

A grade line is smaller and is located between the two main ribs, which are on opposite sides of all bars made in the United States. A grade line must be continued through at least 5 deformation spaces, and it may be placed on the side of the bar opposite the bar marks. A grade mark is the fourth mark on the bar.

VARIATIONS: Bar identification marks may also be oriented to read horizontally (90° to those illustrated). Grade numbers may be placed within consecutive deformation spaces to read vertically or horizontally.

The Identification marks for the Approved Producers are shown in the following figures. Rebar grades shown on these pages are for reference only. Check the specs for the appropriate requirements.
ASTM A615 Grade 60 Bar Sizes 4-18

ASTM A706 Grade 60 Bar Sizes 4-18

ASTM A706/A615 Grade 60 Bar Sizes 4-18

Vinton Steel-Vinton Texas ODOT # 1841

Example for #4 grade 60 rebar:

Current SI marking: NU 13 S 4

New in-lb marking: NU 4 S 60

Nucor Steel Utah ODOT # 1112
#11 REBAR

Side  Back  Front

CMC Steel Mesa Arizona ODOT #4118
<table>
<thead>
<tr>
<th>A 615</th>
<th>A706</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gr60</td>
<td>Gr 60</td>
</tr>
<tr>
<td>Gr 75</td>
<td>Gr 80</td>
</tr>
<tr>
<td>Gr 80</td>
<td>Gr 80</td>
</tr>
</tbody>
</table>

Bar sizes 4, 5, 6, 7, 8, 9, 10, 11, 14, 18.

Nucor Steel Seattle Washington ODOT # 2935
Optimus Beaumont Texas  ODOT #4838

Oregon DOT – QPL (Rev July 2022)
<table>
<thead>
<tr>
<th>Symbol</th>
<th>Grade</th>
<th>Description</th>
<th>Symbol</th>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>60</td>
<td>Bars #3 through #6 only</td>
<td>S</td>
<td>75</td>
<td>Bars #14 and #18 only</td>
</tr>
<tr>
<td>W</td>
<td>60</td>
<td>Bars #3 through #6 only</td>
<td>W</td>
<td>80</td>
<td>Bars #3 through #11 only</td>
</tr>
<tr>
<td>W</td>
<td>60</td>
<td>Bars #14 and #18 only</td>
<td>W</td>
<td>80</td>
<td>Bars #14 and #18 only</td>
</tr>
<tr>
<td>SW</td>
<td>60</td>
<td>Bars #3 through #11 only (#3 through #6 coiled)</td>
<td>SW</td>
<td>80</td>
<td>Bars #3 through #11 only</td>
</tr>
<tr>
<td>SW</td>
<td>60</td>
<td>Bars #14 and #18 only</td>
<td>SW</td>
<td>80</td>
<td>Bars #14 and #18 only</td>
</tr>
<tr>
<td>S</td>
<td>75</td>
<td>Bars #3 through #11 only (#3 through #6 coiled)</td>
<td>SW</td>
<td>80</td>
<td>Bars #3 through #6 coiled</td>
</tr>
</tbody>
</table>
NUCOR STEEL – KINGMAN, AZ
ODOT #4356
A706/A615 GRADE 60 REBARS MARKINGS
Rebar sizes: #3 thru #6

Current SI Marking

New IN-LBS
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-615</td>
<td>3-4-5-6-0-0</td>
</tr>
<tr>
<td>A-706</td>
<td>3-4-5-6-0-0</td>
</tr>
<tr>
<td>A-615/A706 Dual</td>
<td>3-4-5-6-0-0</td>
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<tr>
<td></td>
<td>6-7-6-7</td>
</tr>
<tr>
<td></td>
<td>S-S-W-W</td>
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</tbody>
</table>

Table-RB-700-4 Rev 2
NUCOR-BAURBONNAIS (KANKAKEE)
BAR SIZE #3-#11
ODOT #4943

NUCOR STEEL - KANKAKEE
BARS #3-#11 BAR A706 ONLY
CMC STEEL-DURANT OKLAHOMA
#4-#11 STRAIGHT       #3-#6 COILED
ODOT #5138
STEEL DYNAMICS ROANOKE BAR DIVISION
#4-#11 STRAIGHT
ODOT #5261
CMC STEEL FLORIDA
#3-#5 COILED
ODOT #5262

CMC STEEL TEXAS
A615 GRADE 60, #3-#11 STRAIGHT
A706 GRADE 60, #3-#11 STRAIGHT
ODOT #5313
CMC STEEL SOUTH CAROLINA
A615 GRADE 60, 80, 100 #3-#18 STRAIGHT
A706 GRADE 60, 80 #3-#18 STRAIGHT
ODOT #5263
### ASTM A1035 CS & CM (AAHSTO M334)

<table>
<thead>
<tr>
<th>ChrōmX 9100 CS</th>
<th>ChrōmX 4100 CM</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIZE #3-#11</td>
<td>SIZE #4-#11</td>
</tr>
<tr>
<td>PRODUCED BY:</td>
<td>PRODUCED BY:</td>
</tr>
<tr>
<td>CASCADE STEEL ROLLING MILLS, INC.</td>
<td>CASCADE STEEL ROLLING MILLS, INC.</td>
</tr>
<tr>
<td>ODOT #3517</td>
<td>ODOT #5249</td>
</tr>
</tbody>
</table>

**CS**
- Bars #3 through #9 (#3 through #6 coiled)
- Bars #10 and #11 only
- Bars #14 and #18 only

**4100 CM**

<table>
<thead>
<tr>
<th>Product Mark</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRX9C10CS100</td>
</tr>
</tbody>
</table>

- **CR**
- **RX**
- **9C**
- **10CS**
- **100**

- **Grade**
- **100** (100 ksi)

- **Point of Origin**
- **Size Designation**
- **Type of Steel**
- **Minimum Yield Designation**
CMC STEEL TENNESSEE KNOXVILLE
A615 GRADE 60, (#3-#11) A615 GRADE 80, 100 (#4-#11)
A706 GRADE 60, 80 (#3-#11) A615/A706 GRADE 60 (#4-#11)
ODOT #5333