



Reinforcing Steel Mills

Material Producer List

Materials and Tests Division - Prefabricated Structural Materials Section

Reinforcing Steel Mills

Reference

Refer to the Department’s *Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges* for information on the following:

- Item 440, “Reinforcing Steel

For epoxy coated reinforcing steel, refer to the “[Epoxy Applicators for Reinforcing Steel](#)” MPL.

General

The following bar, wire, welded deformed bar mat, and welded wire reinforcement mills have been pre-approved to furnish reinforcing steel in accordance with DMS-7320, “Qualification Procedure for Reinforcing Steel Producing Mills,” which is referenced in Item 440.

The Department reserves the right to conduct random sampling and testing, and visual inspections of materials from approved reinforcing steel mills. Department representatives may sample and inspect material at the mill or the project site. Materials and Tests Division (MTD) reserves the right to test samples to verify compliance with Item 440.

For more information, contact MTD Prefabricated Structural Materials Section at (512) 993-7117.

Reinforcing Steel (Wire & Welded Wire Reinforcement) Mills

Producer Code	Fabricator	Location
98371	AmeriTex Pipe & Products	Conroe, TX
98123	Concrete Reinforcements, Inc.	Houston, TX
98207	Concrete Reinforcements, Inc.	Jacksonville, FL
99303	Concrete Reinforcements, Inc.	Surprise, AZ
98414	Hanger Bolt & Stud Co.*	Greenfield, IN
99689	Insteel Wire Products	Dayton, TX
98330	Insteel Wire Products	Hazel Township, PA
98331	Insteel Wire Products	Hickman, KY
98203	Insteel Wire Products	Jacksonville, FL
98210	Insteel Wire Products	Kingman, AZ
99290	Insteel Wire Products	Mount Airy, NC
99091	Insteel Wire Products	St. Joseph, MO
99960	Insteel Wire Products*	Sanderson, FL
98336	Iowa Steel and Wire Co.	Centerville, IA

Reinforcing Steel (Wire & Welded Wire Reinforcement) Mills

Producer Code	Fabricator	Location
98200	Key Steel	New Caney, TX
98341	Liberty Engineered Wire Products	Upper Sandusky, OH
98372	Liberty Engineered Wire Products	Warren, OH
98234	National Wire L.L.C.	Conroe, TX
98411	Nelson Wire & Steel	New Salem, PA
98345	O'Brien Wire Products of Texas, Inc.	Houston, TX
99975	Oklahoma Steel and Wire	Madill, OK
98244	Wire Mesh Corp	Jacksonville, FL
99142	WMC Industrial, LLC*	Carrollton, TX
99149	WMC - Wire Mesh Texas, LLC (formerly Gerdau Beaumont Wire)	Beaumont, TX
98412	Wire Mesh Corporation (WMC)	Oglesby, IL

* Wire only

Reinforcing Steel (Welded Deformed Bar Mat) Mills

Producer Code	Fabricator	Location
98401	Bexar Metals, Ltd.	San Antonio, TX
99975	Oklahoma Steel and Wire	Madill, OK

Reinforcing Steel (Bar) Mills

Producer Code	Fabricator	Location
98117	Alton Steel***	Alton, IL
98369	Cascade Steel Rolling Mills, Inc.*	McMinnville, OR
98212	CMC Steel Arizona	Mesa, AZ
98222	CMC Steel Florida	Jacksonville, FL
98389	CMC Steel New Jersey	Sayerville, NJ
98381	CMC Steel Oklahoma	Durant, OK
99271	CMC Steel South Carolina*	Cayce, SC
98211	CMC Steel Tennessee	Knoxville, TN
99661	CMC Steel Texas	Seguin, TX
99017	Evrax Rocky Mountain Steel	Pueblo, CO
99189	Gerdau Midlothian	Midlothian, TX
98374	Liberty Steel and Wire (formerly Keystone Steel and Wire)	Peoria, IL
98072	Mid American Steel and Iron	Madill, OK
98276	North American Stainless**	Ghent, KY
99109	Nucor Steel Auburn, Inc.	Auburn, NY
99126	Nucor Steel Birmingham, Inc.	Birmingham, AL
99154	Nucor Steel Jackson, Inc.	Flowood, MS
99127	Nucor Steel Jewett	Jewett, TX
99074	Nucor Steel Kankakee, Inc.	Bourbonnais, IL

Reinforcing Steel (Bar) Mills

Producer Code	Fabricator	Location
98264	Nucor Steel Kingman	Kingman, AZ
98242	Nucor Steel Nebraska***	Norfolk, NE
98146	Nucor Steel Plymouth	Plymouth, UT
98270	Nucor Steel Seattle, Inc.	Seattle, WA
98218	Nucor Steel South Carolina***	Darlington, SC
98393	Nucor Steel Sedalia	Sedalia, MO
99677	Optimus Steel, LLC	Vidor, TX
98390	Steel Dynamics, Inc.	Columbia City, IN
98392	Steel Dynamics, Inc.	Roanoke, VA
99667	Vinton Steel, LLC	Vinton, TX

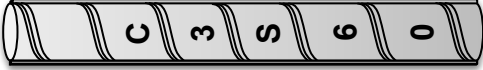














* Includes Low Carbon/Chromium reinforcing steel (ASTM A1035).

** Stainless reinforcing steel only (ASTM A955).

*** Plain (smooth) bars only.

Refer to the next pages for deformed bar identification markings and how to read them.

List of Deformed Reinforcing Steel Bar Identification Markings (English markings shown, except where noted)

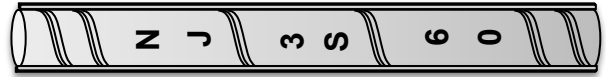
<p>Cascade Steel Rolling Mill 98369 (Minnville, OR) (ASTM A706 and A1035 markings not shown)</p>  <p style="text-align: center;">Bar sizes #3 through #9</p>  <p style="text-align: center;">Bar sizes #10 and #11</p>  <p style="text-align: center;">Bar sizes #14 and #18</p>	<p>CMC Steel South Carolina 99271 (Cayce, SC) (ASTM A706 markings not shown)</p>  <p style="text-align: center;">Bar sizes #3 through #11</p>  <p style="text-align: center;">Bar sizes #14 and #18</p>  <p style="text-align: center;">ASTM A1035</p>
<p>CMC Steel Arizona 98212 (Mesa, AZ) (ASTM A706 markings not shown)</p>  <p style="text-align: center;">Bar sizes #4 thru #11</p>	<p>CMC Steel Tennessee 98211 (Knoxville, TN) (ASTM A706 markings not shown)</p>  <p style="text-align: center;">Bar sizes #3 thru #11</p>
<p>CMC Steel Florida 98222 (Jacksonville, FL) (ASTM A706 markings not shown)</p>  <p style="text-align: center;">Bar sizes #3 thru #11</p>	<p>CMC Steel Texas 99661 (Seguin, TX) (ASTM A706 markings not shown)</p>  <p style="text-align: center;">Bar sizes #3 through #11</p>  <p style="text-align: center;">Bar sizes #14 and #18</p>
<p>CMC Steel New Jersey 98389 (Sayerville, NJ) (ASTM A706 markings not shown)</p>  <p style="text-align: center;">Bar sizes #3 thru #11, #14, and #18</p>	<p>Evrax Rocky Mountain Steel 99017 (Pueblo, CO) (ASTM A706 markings not shown)</p>  <p style="text-align: center;">Bar sizes #3 through #5</p>  <p style="text-align: center;">Bar sizes #6</p>
<p>CMC Steel Oklahoma 98381 (Durant, OK) (ASTM A706 markings not shown)</p>  <p style="text-align: center;">Bar sizes #3 thru #11</p>	

Gerdau Midlothian 99189
(Midlothian, TX)

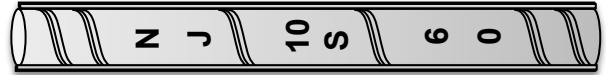


Bar sizes #3 thru #11, and #14

Nucor Steel Jewett 99127
(Jewett, TX) (ASTM A706 markings not shown)



Bar sizes #3 through #9



Bar sizes #10, #11, #14, and #18

Liberty Steel and Wire 98374
(Formerly *Keystone Steel and Wire*)
(Peoria, IL)



Bar sizes #3, #4, #5

Nucor Steel Kankakee, Inc. 99074
(Bourbonnais, IL) (ASTM A706 markings not shown)



Bar sizes #3 thru #11, #14 and #18

Mid American Steel and Iron, 98072
(Madill, OK)



Bar sizes #3, #4, #5

Nucor Steel Kingman 98264
(Kingman, AZ) (ASTM A706 markings not shown)



Bar sizes #3 through #6

Nucor Steel Auburn, Inc. 99109
(Auburn, NY) (ASTM A706 markings not shown)



Bar sizes #3 thru #11 and #14

Nucor Steel Plymouth 98146
(Plymouth, UT) (ASTM A706 markings not shown)



Bar sizes #3 through #11



Bar sizes #14 and #18

Nucor Steel Birmingham, Inc. 99126
(Birmingham, AL) (ASTM A706 markings not shown)



Bar sizes #3 thru #11, #14, and #18

Nucor Steel Seattle, Inc. 98270
(Seattle, WA) (ASTM A706 markings not shown)



Bar sizes #3 thru #11, #14, and #18

Nucor Steel Jackson, Inc. 99154
(Flowood, MS)



Bar sizes #3 thru #11

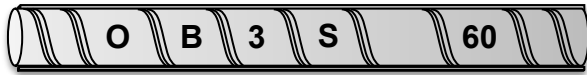
Nucor Steel Sedalia 98393
(Sedalia, MO) (ASTM A706 markings not shown)



Bar sizes #4 thru #11

Optimus Steel, LLC 99677

(Vidor, TX) (ASTM A706 markings not shown)



Bar sizes #3 thru #5

Steel Dynamics, Inc. 98392

(Roanoke, VA) (ASTM A706 markings not shown)



Bar sizes #4 thru #11

Steel Dynamics, Inc. 98390

(Columbia City, IN)



Bar sizes #3 thru #8

Vinton Steel, LLC 99667

(Vinton, TX) (ASTM A706 markings not shown)



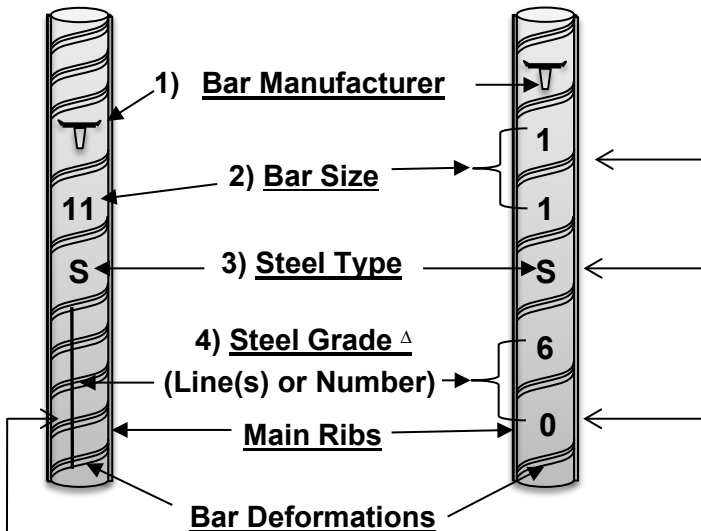
Bar sizes #4 thru #11

NOTE: Some bars may also have dots indicating split billet production. These dots are not shown above. An example of how to read the bar markings is shown on the next page. Bar markings may be changed/updated by the bar mill.

How to Read Bar Markings for Deformed Bars

Bar markings identify the following four items, in order: 1) bar manufacturer, 2) bar size, 3) steel type, and 4) steel grade (see FIGURE 1). Bar marks are numbers, letters, and symbols that may be placed parallel, perpendicular, or at an angle to the bar. A bar mark may be placed in a single space between two bar deformations or spread out over several spaces (see “Bar Size” in FIGURE 1).

FIGURE 1
Bar Markings
(English examples shown)



Bar Size		
English Bar Size	Metric Equivalent Bar Size	Diameter (in.)
3	10	0.375
4	13	0.500
5	16	0.625
6	19	0.750
7	22	0.875
8	25	1.000
9	29	1.128
10	32	1.270
11	36	1.410
14	43	1.693
18	57	2.257

Steel Type	
S	A 615
W	A 706 (Weldable)
A	A 996, Type A (Axle)
R	A 996, Type R (Rail)

Note: May show “S” and “W” if bar is produced to meet both ASTM A615 & A706.

Steel Grade - Line(s) ^Δ			
English		Metric Equivalent	
Grade	# of Line(s)	Grade	# of Line(s)
40	(no lines)	280	(no lines)
60	1 line	420	1 line
75	2 lines	520	2 lines
80	3 lines	550	3 lines

Steel Grade - Number ^Δ			
English		Metric Equivalent	
40	(none req.)	280	(none req.)
60	60	420	4
75	75	520	5
80	80	550	6

^Δ Steel grade marks shown as line(s) are placed along the length of the bar on the front or back side. These grade line(s) must cross a minimum of five bar deformations; and should not be confused with the “Main Ribs.” (See FIGURE 1.) See the applicable ASTM for additional grades not shown.