Concrete Reinforcing Bar
Samples 41 & 42

- The rebar specimens are contained in a total of two boxes.
  - One box for Sample 41 and one for Sample 42.
  - There are three specimens for each sample.
  - DO NOT mix samples.
- The specimens for Sample No. 41 are A615, Grade 60 #6 rebar.
- The specimens for Sample No. 42 are A615, Grade 60 #4 rebar.
- **Please allow until May 8th for receipt of samples**.
- Read the instructions on the following pages and review ASTM A615-26 before testing.
- Each rebar specimen has an ID number which is found on the tag attached to the bar. This ID number should be recorded with the test results.
- A615-26 Section 15.2 specifies yield and tensile strength be based on the nominal bar area.
- A615-26 Section 15.2.2 specifies the 8-in. gauge length be marked using a preset 8-in. punch.
- For bars with two ribs, report the SUMMATION of the two rib widths as the gap (A615, Section 7.4).

How to Submit Test Results:

- On the CCRL website https://www.ccrl.us/, enter your lab number and PIN and click on 'Sign In'.
- Click on 'Reinforcing Bar' and click on 'Enter Data'.
- Make sure the information at the top of the screen is accurate.
- Carefully enter your data. Round data properly. Data that is not rounded correctly cannot be submitted until correction is made. You will receive an error saying you have bad data, and the data will not be entered into the website.
- DO NOT enter 'N/A' or zeros for data that you are not reporting, leave this data area blank. Zeros will be interpreted as data.
- Once all data has been entered click on the 'Submit' button.
- You should see a confirmation screen. Print the confirmation screen for your records.
- If you have trouble entering or do not receive confirmation visit Data Entry Trouble Shooting or contact CCRL via ccrl@astm.org or by calling 240-436-4800, prior to the closing date.
- Sign out of the website and sign in again to check that your data was submitted properly. You may add data or make corrections up to the closing date.
- **Closing date for test results is midnight on Friday, June 19, 2026 EDT**.

April 15, 2026

TO: Participants in the CCRL Concrete Reinforcing Bar Proficiency Sample Program

SUBJECT: Concrete Reinforcing Bar Samples No. 41 and No. 42

The current pair of samples for the Concrete Reinforcing Bar Proficiency Sample has been shipped. **Please allow until May 8, 2026 for receipt of these samples (non-receipt date).** If these samples have not been received on this date or if the samples you received were damaged, **you need to notify us in writing, so please email us at ccrl@astm.org**. Replacement samples will be sent. **Failure to notify us by this date may result in you not receiving replacement samples in time to perform the necessary testing. Additional shipping charges will be incurred if contact is not made by the non-receipt date.**

Each sample is packaged in a box containing three bars. These shipping boxes are labeled on the outside as to which sample they contain. **Each specimen is tagged with the sample number and specimen identification. Laboratory personnel must make sure the identity of each specimen is known during testing and the specimen ID must be recorded with the test results.** The two samples must not be mixed.

The specimens are steel bars used for concrete reinforcement; Sample No. 41 is an ASTM A615, Grade 60 #6 rebar. Sample No. 42 is an ASTM A615, Grade 60 #4 rebar. Tests are to be conducted separately on each sample. Read the enclosed instructions before proceeding with any testing. It is mandatory that these instructions and ASTM standards A615 be followed. These tests should be conducted as soon as possible after the samples are received, and the test results should be promptly reported to CCRL upon completion of testing. Test results should be entered at our website: https://www.ccrl.us/.

Additional samples of this sample pair will be available for sale after the final report has been issued. Past CCRL samples for other programs are also available for sale. These samples can be used for research, technician training, and test equipment verification. Contact us for availability and pricing.

Sincerely,

Kent Niedzielski
Program Manager
Proficiency Sample Programs
Cement and Concrete Reference Laboratory

CEMENT AND CONCRETE REFERENCE LABORATORY
CONCRETE REINFORCING BAR PROFICIENCY SAMPLE PROGRAM
Samples No. 41 and No. 42

Instructions

INSTRUCTIONS FOR TESTING

1 CCRL Concrete Reinforcing Bar Proficiency Samples Number 39 and Number 40 were distributed April 15, 2026. You should receive two mailing tubes, with each containing three steel reinforcing bars. Sample No. 41 specimens are Grade 60 #6 rebar manufactured to comply with ASTM A615. No. 42 specimens are Grade 60 #4 rebar also manufactured to comply with ASTM A615. Please allow 3 weeks for receipt of these samples. **If you have not received two containers by May 8, 2026**, please email CCRL at **ccrl@astm.org**.

2 Each box should be labeled Sample No. 41 or Sample No. 42. Each specimen is identified with tags. Sample No. 41 is identified with white tags and Sample No. 42 is identified with red tags. In addition to the sample number these labels also contain specimen identification numbers which must be recorded on the reporting forms. **Each specimen should be checked for proper labeling with its identity before removal from its container.** The two samples **must not be mixed**.

3 Verify that you have received a total of six pieces of reinforcing bars, three bars of Sample No. 41 and three bars of Sample No. 42, and that they are in good condition. Notify CCRL of any damaged or missing samples.

4 Perform all testing in accordance with ASTM Standard A615-26. A copy of this edition of the standard, may be obtained directly from ASTM, https://www.astm.org/, phone: 610-832-9585.

5 Base the yield and tensile strength on the nominal bar area.

6 For bars with two ribs, report the SUMMATION of the two rib widths as the gap (A615, Section 7.4).

INSTRUCTIONS FOR REPORTING

7 Report test results on the reporting forms provided, being sure to complete all four pages. Enter your test result at the CCRL website: https://www.ccrl.us/. You will need your Laboratory ID number and PIN. These are found in the “Instructions” email that was sent to your laboratory.

8 Report the average test values and the test results for each individual bar. Record the bar identification found on the attached tag.

9 Test results must be reported in the units and to the nearest significant numbers indicated for each test on the reporting forms.

Note: Laboratory ratings will only be assigned to the average test results.

CCRL REPORTING FORM
CONCRETE REINFORCING BAR
SAMPLES NO. 41 & NO. 42

Kent Niedzielski
Program Manager
Proficiency Sample Programs
Cement and Concrete Reference Laboratory
Website: www.ccrl.us

FROM: _____

Test Results

Report Results as Indicated in [ ]

	WEIGHT PER UNIT LENGTH lb/ft *[nearest 0.001 lb/ft]*			CCRL Test ID 1010
Specimen No.	**Sample No. 41**		**Sample No. 42**	
	Test results	Specimen ID # (found on tag)	Test Results	Specimen ID # (found on tag)
#1				
#2				
#3				
Average (of 3 bars)				

MEASUREMENT OF DEFORMATIONS

	AVERAGE SPACING inch *[nearest 0.001 inch]*			CCRL Test ID 1020
Specimen No.	**Sample No. 41**		**Sample No. 42**	
	Test results	Specimen ID # (found on tag)	Test Results	Specimen ID # (found on tag)
#1				
#2				
#3				
Average (of 3 bars)				
Device used for measurement of spacing:				

Tests performed by _____ Date _____
Tests reported by _____ Title _____
Phone _____ FAX _____ CCRL laboratory number _____

CCRL REPORTING FORM
CONCRETE REINFORCING BAR
SAMPLES NO. 41 & NO. 42

RETURN TO
Cement and Concrete Reference Laboratory
Website: www.ccrl.us

FROM: _____

MEASUREMENT OF DEFORMATIONS (continued)

	AVERAGE HEIGHT inch *[nearest 0.001 inch]*			CCRL Test ID 1030
Specimen No.	**Sample No. 41**		**Sample No. 42**	
	Test results	Specimen ID # (found on tag)	Test Results	Specimen ID # (found on tag)
#1				
#2				
#3				
Average (of 3 bars)				
Device used for measurement of height:				

	GAP (summation of gaps) inch *[nearest 0.001 inch]*			CCRL Test ID 1040
Specimen No.	**Sample No. 41**		**Sample No. 42**	
	Test results	Specimen ID # (found on tag)	Test Results	Specimen ID # (found on tag)
#1				
#2				
#3				
Average (of 3 bars)				
Device used for measurement of gap:				

Tests performed by _____ Date _____
Tests reported by _____ Title _____
Phone _____ FAX _____ CCRL laboratory number _____

CCRL REPORTING FORM
CONCRETE REINFORCING BAR
SAMPLES NO. 41 & NO. 42

RETURN TO
Cement and Concrete Reference Laboratory
Website: www.ccrl.us

FROM: _____

TENSILE PROPERTIES

		TENSILE STRENGTH psi *[nearest 10 psi]*			CCRL Test ID 1050
Specimen No.	**Sample No. 41**		**Sample No. 42**		
	Test results	Specimen ID # (found on tag)	Test Results	Specimen ID # (found on tag)	
#1					
#2					
#3					
Average (of 3 bars)					

		YIELD STRENGTH psi *[nearest 10 psi]*			CCRL Test ID 1060
Specimen No.	**Sample No. 41**		**Sample No. 42**		
	Test results	Specimen ID # (found on tag)	Test Results	Specimen ID # (found on tag)	
#1					
#2					
#3					
Average (of 3 bars)					

Method used to determine yield: ☐ drop of beam or halt of pointer ☐ extensometer ☐ autographic diagram method

Tests performed by _____ Date _____
Tests reported by _____ Title _____
Phone _____ FAX _____ CCRL laboratory number _____

CCRL REPORTING FORM
CONCRETE REINFORCING BAR
SAMPLES NO. 41 & NO. 42

RETURN TO
Cement and Concrete Reference Laboratory
Website: www.ccrl.us

FROM: _____

TENSILE PROPERTIES (continued)

	ELONGATION percent *[nearest 0.5 percent]*			CCRL Test ID 1070
Specimen No.	**Sample No. 41**		**Sample No. 42**	
	Test results	Specimen ID # (found on tag)	Test Results	Specimen ID # (found on tag)
#1				
#2				
#3				
Average (of 3 bars)				

Gage marked with: ☐ center punch ☐ double punch ☐ other - _____

Elongation measure by: ☐ rule & dividers ☐ elongation rule ☐ caliper ☐ elongation caliper ☐ extensometer ☐ other -

Tests performed by _____ Date _____
Tests reported by _____ Title _____
Phone _____ FAX _____ CCRL laboratory number _____