

CRSI Bulletin: Changes to ASTM A615 tensile strength requirements

With the 2020 revision to the ASTM A615 specification (A615-20), the tensile strength requirements for A615 Grades 60 and 80 have been reduced to 80,000 psi and 100,000 psi, respectively. These are the same requirements as A706, so with these changes A706 material now meets or exceeds all chemical and mechanical requirements for the respective size and grade of A615.

Historically, bars marked with a 'W' are certified to meet A706 and bars marked with an 'S' meet A615. Bars marked with a 'W' and an 'S' are considered dual grade since they meet both A706 and A615. Since A706 rebar inherently meets the requirements of A615, all 'W' bar should also be accepted as dual grade.

Future A706 and A615 specification revisions may permit bar with only a 'W' marking to be certified to meet both A706 and A615, but this change has not yet been adopted as of the publishing of this bulletin.

Some producers may continue the practice of putting both letter markings on the bar, but this will no longer be a requirement. If there are any questions regarding product, the best source for information will be the producing mill.