



Vulcan

STEEL PRODUCTS

ASTM F1554

The ASTM F1554 specification was introduced in 1994 and covers various types of anchor bolts and threaded rod available in three grades – Grade 36, 55, & 105. Each grade designates the minimum yield strength (ksi) of the fastener. Grades 36 and 55 are typically carbon steel while grade 105 is typically a quench and tempered alloy steel like ASTM A193 B7.

Specification	Grade	Steel Type	Yield
F1554	Grade 36	Carbon	36 ksi
	Grade 55	Carbon	55 ksi
	Grade 105	Alloy	105 ksi

Uses

ASTM F1554 specifically states “Anchor bolts are intended for anchoring structural supports to concrete foundations. Such structural supports include building columns, column supports for highway signs, street lighting and traffic signals, steel bearing plates and similar applications.”

Testing Requirements and Supplements

ASTM F1554 has its own set of testing requirements that differ slightly from other specifications, with the primary difference being the call for full size testing up to certain diameter sizes (depending on the grade). Additionally, the specification allows for the assurance of weldability for Grade 55 through the S1 supplement. All of Vulcan’s F1554 Grade 55 threaded rod includes the S1 supplement.

Vulcan F1554 Threaded Rod

Vulcan stocks a full line of F1554 Grade 36, 55, and 105 threaded rod. We stock diameters 1/2" to 2" in Grade 36 and 55. Our Grade 105 is dual certified to ASTM A193 B7 and is stock from 1/2" to 3" in diameter. All of Vulcan’s F1554 threaded rod is produced in 12' lengths, however we can supply shorter lengths upon request.

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