

ASTM F1554-07a Straight Anchor Bolt



An anchor bolt is a steel bar or rod, one end of which is intended to be cast in concrete. The opposite end is threaded and projects from the concrete, for anchoring other material to the concrete.

Externally threaded steel anchor bolts are intended for anchoring structural supports to concrete foundations. Such structural supports include: building columns, supports for highway signs, street lighting and traffic signals, steel bearing plates and other similar applications.

Typical installation includes nuts and washers.

Other materials available when ordered as double or single end stud bolt.

Material Specification

Anchor Bolt	Properties
ASTM F1554 Gr 36	36 ksi minimum yield
ASTM F1554 Gr 55	55 ksi minimum yield
ASTM F1554 Gr 105	105 ksi minimum yield

Thread Pitch

Form / Fit	Type
UNC Class 2A / 2B	Cut or Roll Thread

Protective Coatings

Specification	Method of Deposit / Material
Plain	None
ASTM F2329	Hot Dip Galvanized Zinc
ASTM B695 Cl. 55	Mechanical Galvanized Zinc

Identification

Anchor Bolt	Color
ASTM F1554 Gr 36	• End color blue
ASTM F1554 Gr 55	• End color yellow
ASTM F1554 Gr 105	• End color red

* Specify Quantity of Nuts and Washers per Anchor

Products manufactured and inspected per Quality System ASME B18.18.4M

Flat Washer

Specification	Type
ASTM F436	Through Hardened Steel

Nut Compatibility

Anchor Grade / Size	Nut Grade
Gr 36 Plain to 1-1/2"	ASTM A563 Gr A Hex
Gr 36 Plain over 1-1/2"	ASTM A563 Gr A Heavy
Gr 36 Zinc all	ASTM A563 Gr A Heavy
Gr 55 Plain to 1-1/2"	ASTM A563 Gr A Hex
Gr 55 Plain over 1-1/2"	ASTM A563 Gr A Heavy
Gr 55 Zinc all	ASTM A563 Gr A Heavy
Gr 105 Plain to 1-1/2" *	ASTM A563 Gr D Hex
Gr 105 Plain over 1-1/2"	ASTM A563 Gr DH Heavy
Gr 105 Zinc all	ASTM A563 Gr DH Heavy

* Grade DH Heavy Hex may be substituted

Ordering Information for Anchor Bolts, Hex Nuts and Washers

Family Code	Diameter Code	Thread Code	Length Code	Material Code	Plating Code
FFFF	DDD	T	LLLL	MM	PP
Part No.					

WestermannBG

4300 Diplomacy Rd.
Fort Worth, TX 76155
Phone: (817) 553-1954
Fax: (817) 553-1964
www.gowestermann.com