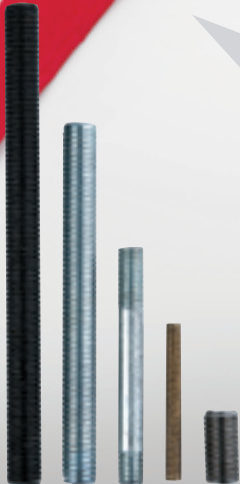




ALL AMERICA
THREADED PRODUCTS®





An aerial photograph of a residential neighborhood with a large industrial facility in the foreground. The industrial facility has several large buildings with grey roofs and a parking lot filled with cars. The residential area consists of many houses with green lawns and trees. The sky is clear and blue.

CONTENT

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— THREADED ROD —



PRODUCT OVERVIEW

“Threaded Rod” refers to threaded Rods that are 12 inches in length or greater, below 12 inches is referred to as a “Threaded Stud”, both are used in a variety of applications and industries ranging from plumbing, electrical, automotive, heavy construction, HVAC, fire sprinklers, telecom and food service. Single-end and double-end threaded rod are often bent to make specialized fasteners such as anchor bolts and u-bolts. A common type of threaded rod is all thread or fully-threaded rod, where the thread extends the complete length of the rod.

Threaded rod, also referred to as a headless fastener, can be used with standard nuts and washers and may be used in standard stock lengths or cut to the length required.

AATP offers a wide selection of materials, finishes, threads and sizes of threaded rod and threaded studs:

Diameters

2-56 to 2”

Lengths

1/2” to 12’

Tube Quantities

1 to 50 depending on diameter

Materials

Low Carbon Steel, T304 Stainless, T316 Stainless, ASTM A 193 B7, F1554 Grade 55, GR8HT™ ROD (A354BD), Brass, Aluminum

Finishes

Plain/Oil, Clear Zinc Plated, Yellow Zinc Plated, Hot-Dip Galvanized, Black Oxide

Threads

Coarse (right & left hand), Fine (right & left hand), Metric, Acme

Applications

Home and farm repairs, Construction industry, Automotive industry, Hanger rod for HVAC, Fire sprinkler installation, Fabricating trades, Manufacturing and production fields

Stocked Diameters (D)	Stocked Lengths (L)	Tube Quantities	Weight Lbs/Ft
6-32	3', 6'	25	.036
8-32	3', 6'	25	.054
10-24	3', 6'	25	.069
10-32	3', 6'	25	.075
1/4" - 20	2', 3', 6', 10', 12'	50	.119
5/16" - 18	2', 3', 6', 10', 12'	35	.193
3/8" - 16	2', 3', 6', 10', 12'	25	.284
7/16" - 14	2', 3', 6', 10', 12'	17	.392
1/2" - 13	2', 3', 6', 10', 12'	12	.520
9/16" - 12	2', 3', 6', 10', 12'	10	.666
5/8" - 11	2', 3', 6', 10', 12'	8	.826
3/4" - 10	2', 3', 6', 10', 12'	5	1.214
7/8" - 9	2', 3', 6', 10', 12'	4	1.672
1" - 8	2', 3', 6', 10', 12'	2	2.199
1-1/8" - 7	2', 3', 6', 10', 12'	1	2.776
1-1/4" - 7	2', 3', 6', 10', 12'	1	3.498
1-3/8" - 6	2', 3', 6', 10', 12'	1	4.196
1-1/2" - 6	2', 3', 6', 10', 12'	1	5.075
1-3/4" - 5	2', 3', 6', 10', 12'	1	6.886
2" - 4-1/2	2', 3', 6', 10', 12'	1	9.050

* We also stock fine thread and metric sizes

— ANCHOR BOLTS —

PRODUCT OVERVIEW

Bent anchor bolts (also called L-Shaped anchor bolts) are embedded directly into concrete and used to anchor construction supports like structural steel columns, light poles, highway signs, heavy equipment, bridge rails, equipment and many other applications. The bolts are threaded on the top portion which allows light poles, steel columns or other structures to be fastened to them. The bottom bent portion or hook creates resistance so the bolt does not pull out of the concrete foundation when force is applied.



- **Materials:** Low Carbon Steel
- **Diameters:** 3/8"-16, 1/2"-13, 5/8"-11, 3/4"-10, 1"-8
- **Lengths:** 6" to 36" (see charts on page 7)
- **Finishes:** Plain/Oil, Hot-Dip Galvanized

SKU	SIZE (INCHES)	HOOK LENGTH	THRD LENGTH	BOX QUANTITY
45128	3/8-16 X 6	1	1 3/4	KIT 50/BOX
45129	3/8-16 X 8	1	1 3/4	KIT 50/BOX
45131	3/8-16 X 12	1	1 3/4	KIT 50/BOX
45181	1/2-13 X 6	1 1/2	1 3/4	KIT 50/BOX
45182	1/2-13 X 8	1 1/2	1 3/4	KIT 50/BOX
45183	1/2-13 X 10	1 1/2	1 3/4	KIT 50/BOX
45184	1/2-13 X 12	1 1/2	1 3/4	KIT 50/BOX
45185	1/2-13 X 14	1 1/2	2	KIT 50/BOX
45186	1/2-13 X 16	1 1/2	2	KIT 50/BOX
45187	1/2-13 X 18	1 1/2	2	KIT 50/BOX
45132	5/8-11 X 6	2	2	KIT 25/BOX
45188	5/8-11 X 8	2	2	KIT 25/BOX
45189	5/8-11 X 10	2	3 3/4	KIT 25/BOX
45190	5/8-11 X 12	2	3 3/4	KIT 25/BOX
53768	5/8-11 X 14	3	3 3/4	KIT 25/BOX
45192	5/8-11 X 18	3	4	KIT 25/BOX
45135	5/8-11 X 24	3	4	KIT 25/BOX
45193	3/4-10 X 8	3	2	KIT 20/BOX
45194	3/4-10 X 10	3	3 3/4	KIT 20/BOX
53776	3/4-10 X 12	3	3 3/4	KIT 20/BOX
45196	3/4-10 X 15	3	3 3/4	KIT 20/BOX
45197	3/4-10 X 16	3	3 3/4	KIT 20/BOX
45198	3/4-10 X 18	3	4	KIT 20/BOX
45199	3/4-10 X 20	3	4	KIT 20/BOX
45200	3/4-10 X 24	3	4	KIT 20/BOX
45203	1-8 X 16	4	4	KIT 10/BOX
45204	1-8 X 18	4	4	KIT 10/BOX
45138	1-8 X 24	4	4	KIT 10/BOX
45139	1-8 X 30	4	6	KIT 10/BOX
45206	1-8 X 36	4	6 1/4	KIT 10/BOX

SKU	SIZE (INCHES)	HOOK LENGTH	THRD LENGTH	BOX QUANTITY
45112	3/8-16 X 6	1	1 3/4	KIT 50/BOX
45114	3/8-16 X 8	1	1 3/4	KIT 50/BOX
45114	3/8-16 X 12	1	1 3/4	KIT 50/BOX
45208	1/2-13 X 6	1 1/2	1 3/4	KIT 50/BOX
45209	1/2-13 X 8	1 1/2	1 3/4	KIT 50/BOX
45210	1/2-13 X 10	1 1/2	1 3/4	KIT 50/BOX
53764	1/2-13 X 12	1 1/2	1 3/4	KIT 50/BOX
45211	1/2-13 X 14	1 1/2	2	KIT 50/BOX
45212	1/2-13 X 16	1 1/2	2	KIT 50/BOX
45213	1/2-13 X 18	1 1/2	2	KIT 50/BOX
45115	5/8-11 X 6	2	2	KIT 25/BOX
45214	5/8-11 X 8	2	2	KIT 25/BOX
45215	5/8-11 X 10	2	3 3/4	KIT 25/BOX
45216	5/8-11 X 12	2	3 3/4	KIT 25/BOX
45116	5/8-11 X 14	3	3 3/4	KIT 25/BOX
45217	5/8-11 X 15	3	3 3/4	KIT 25/BOX
45218	5/8-11 X 16	3	3 3/4	KIT 25/BOX
45219	5/8-11 X 18	3	4	KIT 25/BOX
45118	5/8-11 X 24	3	4	KIT 25/BOX
45220	3/4-10 X 8	3	2	KIT 20/BOX
45221	3/4-10 X 10	3	3 3/4	KIT 20/BOX
45222	3/4-10 X 12	3	3 3/4	KIT 20/BOX
45110	3/4-10 X 15	3	3 3/4	KIT 20/BOX
45224	3/4-10 X 16	3	3 3/4	KIT 20/BOX
45225	3/4-10 X 18	3	4	KIT 20/BOX
45226	3/4-10 X 20	3	4	KIT 20/BOX
45227	3/4-10 X 24	3	4	KIT 20/BOX
45228	3/4-10 X 30	4	4	KIT 20/BOX
45120	1-8 X 12	4	4	KIT 10/BOX
45229	1-8 X 16	4	4	KIT 10/BOX
45230	1-8 X 18	4	4	KIT 10/BOX
45231	1-8 X 24	4	4	KIT 10/BOX
45232	1-8 X 30	4	6	KIT 10/BOX
45233	1-8 X 36	4	6 1/4	KIT 10/BOX

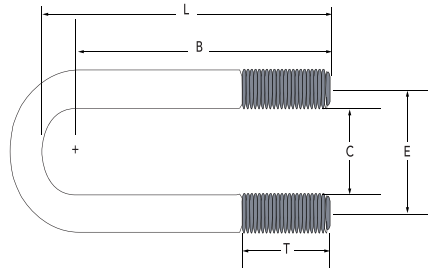
U-BOLTS



PRODUCT OVERVIEW

A U-Bolt is a U-shaped bolt with two threaded arms protruding from a curved base. U-Bolts are used heavily in building and construction. U-Bolts have primarily been used to support pipework. They are also commonly used to attach various items to poles and beams and can also be used as concrete fasteners.

AATP offers a wide selection of materials, finishes and sizes of Figure 137 U-Bolts. In addition to standard round bend U-bolts, we can also manufacture special U-Bolts with custom sizes, bends and configurations.



- **Pipe Size:** 1/2" to 16"
- **Rod Diameter:** 1/4" to 1"
- **Materials:** Low Carbon Steel, T304 Stainless, T316 Stainless
- **Finishes:** Plain/Oil, Clear Zinc Plated, Hot-Dip Galvanized
- **Threads:** Coarse
- **Applications:** Framing systems, Petroleum and Chemical Industry, Automotive Industry, Power transmission field, Piping and conduit supports, Plumbing/HVAC

Pipe Size	Diameter/ Thread	Length (L)	B	C	E	T	WGT/C	Box Qty
1/2"	1/4-20	3-1/4"	2-3/4"	15/16"	1-3/16"	2-3/8"	7.4	250
3/4"	1/4-20	3-5/16"	2-3/4"	1-1/8"	1-3/8"	2-3/8"	7.7	250
1"	1/4-20	3-7/16"	2-3/4"	1-3/8"	1-5/8"	2-3/8"	8.1	250
1-1/4"	3/8-16	3-3/4"	2-7/8"	1-11/16"	2-1/16"	2-3/8"	22.5	150
1-1/2"	3/8-16	4"	3"	2"	2-3/8"	2-1/2"	24.3	150
2"	3/8-16	4-1/2"	3-1/4"	2-7/16"	2-13/16"	2-1/2"	27.3	150
2-1/2"	1/2-13	5-1/4"	3-3/4"	2-15/16"	3-7/16"	3"	57.3	75
3"	1/2-13	5-13/16"	4"	3-9/16"	4-1/16"	3"	63.5	50
3-1/2"	1/2-13	6-5/16"	4-1/4"	4-1/16"	4-9/16"	3"	69.4	50
4"	1/2-13	6-13/16"	4-1/2"	4-9/16"	5-1/16"	3"	74.9	50
5"	1/2-13	7-13/16"	5"	5-5/8"	6-1/8"	3"	86.7	50
6"	5/8-11	9-1/2"	6-1/8"	6-3/4"	7-3/8"	3-3/4"	166.6	25
8"	5/8-11	11-1/2"	7-1/8"	8-3/4"	9-3/8"	3-3/4"	203.7	20
10"	3/4-10	13-13/16"	8-3/8"	10-7/8"	11-5/8"	4"	371	10
12"	7/8-9	16-1/16"	9-5/8"	12-7/8"	13-3/4"	4-1/4"	564	5
14"	7/8-9	17-5/16"	10-1/4"	14-1/8"	15"	4-1/4"	618.8	5
16"	7/8-9	19-5/16"	11-1/4"	16-1/8"	17"	4-1/4"	688	5
18"	1-8	21-11/16"	12-5/8"	18-1/8"	19-1/8"	4-3/4"	1051	5
20"	1-8	23-11/16"	13-5/8"	20-1/8"	21-1/8"	4-3/4"	1143	5
24"	1-8	27-11/16"	15-5/8"	24-1/8"	25-1/8"	4-3/4"	1332	5

B7



B7

PRODUCT OVERVIEW

ASTM A193 B7 is an alloy which includes chromium and molybdenum for added strength and corrosion resistance, rendering it suitable for applications that are highly susceptible to corrosion at high temperatures. For example, common uses are in chemical and petroleum facilities. All America Threaded Products supplies Domestic B7 threaded rod products in any length up to 12 feet.

- **Diameters*:** 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/4", and 1 1/2"
- **Lengths:** Any length up to 12'
- **Finishes:** Plain, Yellow Zinc, Black Oxide, Hot-Dip Galvanized
- **Products:** Threaded Rod and Studs
- **Applications:** High pressure or high temperature environments including valves, boilers, press vessels, and pipe flanges.

Tempering at 1100° F gives B7 a high tensile strength with greater ductility than comparative specifications.

- **Upon request, material certificates and material test reports are available at the time of order.**
- **Available as both domestic and import product - ask your Account Manager.**

B7 PRODUCT OFFERING

AATP CAPABILITIES

Specification	Grade	Diameters*	UNC/UNF	Products	Lengths	Stock Finishes
ASTM A193	B7	3/8" 1/2" 5/8" 3/4" 7/8" 1" 1-1/4" 1-1/2"	UNC Coarse	Threaded Rod Threaded Studs Single/Double End	Any length up to 12'	Plain, Yellow Zinc, Black Oxide, Hot-Dip Galvanized

MECHANICAL PROPERTIES

Specification	Grade	Marking	Diameters*	UNC/UNF	Tensile (ksi)	Yield (ksi min)	Elong % (min)	RA% (min)	HRC
ASTM A193	B7		3/8" 1/2" 5/8" 3/4" 7/8" 1" 1-1/4" 1-1/2"	UNC UNF	125 min	105	16	50	35 max

CHEMICAL PROPERTIES

Specification	Grade	Carbon	Manganese	Phosphorus	Sulfur	Silicon	Chromium	Molybdenum	Treatment
ASTM A193	B7	0.38 - 0.48	0.75 - 1.00	0.035 max	0.040 max	0.15 - 0.35	0.80 - 1.10	0.15 - 0.25	Quench/Temper

F1554

F1554



PRODUCT OVERVIEW

ASTM F1554 is an anchor bolt specification developed by the American Society for Testing and Materials that specifies straight, bent, headed or headless anchor bolts and fully threaded rod. It replaces ASTM A307 Grade C. The F1554 specification is used in construction-related projects such as commercial developments, structural supports and residential developments. Common examples of F1554 in use include freeway signs, street lights, traffic signals and large building columns.

- **Grade Offered:** Grade 55 (S1)
- **Diameters:** 1/2", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", and 1 1/2"
- **Lengths:** Any length up to 12'
- **Products:** Threaded Rod, Studs, and Anchor Bolts
- **Applications:** Bridges, Steel Buildings, Light Poles, Traffic Signals, Freeway Signs, Building Columns

GRADES

All America Threaded Products manufactures grade 55 S1 that can be supplied in lieu of grade 36. The material used to manufacture Grade 55 S1 meets the conditions for the Supplementary Requirement, meeting both grade 36 and 55 specifications. The S1 Supplementary Requirement is for a weldable grade 55 product. Meeting the chemistry, which supersedes conflicting provisions, requires certain chemical restrictions and meeting a carbon equivalency formula of less than 0.45%. Material certificates and material test reports are available upon request.

The grade number for F1554 designates the minimum yield strength of the selected grade. F1554 is manufactured in three grades: grade 36, grade 55 and grade 105.

GRADES (continued)

Grade	Materials	Yield Strength	Benefits
36	Low carbon steel	36 ksi	Economical
55 (S1)	Low alloy steel	55 ksi	High strength, weldable grade
105	Steel alloy, heat treated	105 ksi	High strength

Note: It is not advisable to substitute A193 grade B7 for F1554 grade 55. Specialty steel is used to produce grade 55 products and is not prominent in the market.

F1554 PRODUCT OFFERING

AATP CAPABILITIES

Specification	Grade	Diameters	UNC/UNF	Products	Lengths	Stock Finishes	Special Finish
ASTM F1554	55 (S1)	1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-1/2"	UNC	Threaded Rod Threaded Studs Anchor Bolts	Any length up to 12'	Plain Hot-Dip Galvanized	Electro-Zinc

MECHANICAL PROPERTIES

Specification	Grade	Marking	Diameters	UNC/UNF	Tensile (ksi)	Yield (ksi min)	Elong % (min)	RA% (min)	HRC
ASTM F1554	55 (S1)	AB55 01EY	1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-1/2"	UNC	75-95	55	21	30	N/A

CHEMICAL PROPERTIES

Specification	Grade	Carbon	Manganese	Phosphorus	Sulfur	Silicon
ASTM F1554	55 (S1)	0.30 max	1.35 max	0.040 max	0.050 max	0.50 max



GRADE BD

QUALITY PRODUCTS

GR8HT™ ROD, pronounced “great rod,” is our newest range of All Thread and is the brand name for our High Strength Threaded Rod made here in the USA.

GR8HT™ ROD offers a viable High Tensile alternative to SAE J429 Grade 8 and is fully certified to ASTM A354 Grade BD. GR8HT™ ROD is ideal for applications that require a High Strength Threaded Rod.

AATP is one of the leading manufacturers of Threaded Rods, Studs,

AT-A-GLANCE COMPLIANCE GUIDE

This table showcases GR8HT™ ROD against the most common industry standards.

GR8HT™ ROD COMPLIES WITH

CHEMICAL CONTENT

C (Carbon)
 Mn (Manganese)
 P (Phosphorus)
 S (Sulfur)
 B (Boron)

ASTM A354
 Grade BD

SAE J429
 Grade 8

Yes	Yes
Yes	Yes
Yes	Close
Yes	Close
Yes	Yes

MECHANICAL CONTENT

Tensile Strength (KSI)
 Yield Strength (KSI)
 Elongation (%)
 Reduction of Area (%)
 Tempering Temp (F)
 Hardness Rockwell C
 Gross Decarb (Inches)
 Proof Load (KSI)

ASTM A354
 Grade BD

SAE J429
 Grade 8

Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes

PRODUCT OFFERING

- **Course Diameters:** 3/8"- 16, 1/2"- 13, 5/8"- 11, 3/4"- 10, 7/8"- 9, 1"- 8
- **Fine Diameters:** 3/8"-24 , 1/2"-20, 5/8"-18, 3/4"-16, 7/8"-14, 1"-14
- **Lengths:** 1', 2', 3', 6', 12'
- **Finishes:** Plain, Zinc & Yellow, Black Oxide

MATERIAL BREAKDOWN

CHEMICAL & MECHANICAL COMPARISON

CHEMICAL CONTENT

	GR8HT [™] ROD		SAE J429 Grade 8		ASTM A354 Grade BD	
	Min	Max	Min	Max	Min	Max
C (Carbon)	0.280	0.550	0.250	0.550	0.280	0.550
Mn (Manganese)	0.570	*	*	*	0.570	*
P (Phosphorus)	*	0.040	*	0.025	*	0.040
S (Sulphur)	*	0.045	*	0.025	*	0.045
B (Boron)	*	0.003	*	*	*	0.003

MECHANICAL CONTENT

	GR8HT [™] ROD		SAE J429 Grade 8		ASTM A354 Grade BD	
	Min	Max	Min	Max	Min	Max
Tensile Strength (KSI)	150	173	150	*	150	173
Yield Strength (KSI)	130	*	130	*	130	*
Elongation (%)	14	*	12	*	14	*
Reduction of Area (%)	40	*	35	*	40	*
Tempering Temp (F)	800	*	800	*	800	*
Hardness Rockwell C	HRC33	HRC38	HRC33	HRC39	HRC33	HRC38
Gross Decarb (Inches)	*	0.0006	*	0.0006	*	0.0006
Proof Load (KSI)	120	*	120	*	120	*

	GR8HT [™] ROD		SAE J429 Grade 8		ASTM A354 Grade BD	
	DFARS COMPLIANT	 YES	 Check COO	 Check COO		

*Important Note: Where cells have no value this reflects the quoted standard

SPECIALS



PRODUCT OVERVIEW

In addition to carrying an inventory of a wide range of in-stock threaded products, All America will work with you to design and build custom parts.

All America offers a broad range of sizes, materials, finishes, and threads as well as drawing, bending, welding, assembly and packaging capabilities to produce the precise size, shape and specification you need.

All America has solid engineering expertise and a thorough understanding of our customers' technical requirements. If you have a challenging application, turn to All America Threaded Products. We have many years of industry experience and are ready to work with you to develop a threaded product solution.

- **Diameters:** 2-56 to 1"
- **Lengths:** 1/2" to 12'

CAPABILITIES

- Specialized Assemblies
- Specialized Packaging
- Studs: Single or Double-End Threaded, Blank Pins or Knurled Finish, Cut or Rolled Threads, Chamfered Ends
- Anchor Bolts: Welded Assemblies
- Bent Products: Round Bends, Square Bends, V-Bends, Hook Bolts, Eye Bolts, J-Bolt, Any bend, (including multiple bends) in any material or finish.

THREADS

- Coarse (R & L hand) • Fine (R & L hand) • Metric • Acme

PRODUCTS

Threaded Rod
Studs
Anchor Bolts
U-Bolts
Eye Bolts
J-Bolts

MATERIALS

Low Carbon Steel
T304 / T316 Stainless
F1554 Grade 55
Brass
Aluminum

FINISHES

Plain / Oil
Clear Zinc Plated
Yellow Zinc Plated
Hot-Dip Galvanized (HDG)
Black Oxide
Passivated



AATP HISTORY

The foundation of **All America Threaded Products** (AATP), a prime U.S. manufacturer and distributor of quality, threaded products, was set in 1994. That is when our parent company Acme Manufacturing of Denver, Colorado, acquired BoltMaster, Inc. (RediBolt) of Chicago, Illinois.

In the following years, Acme Manufacturing made several more acquisitions of leading threaded products companies, including: Threaded Rod Company, Indianapolis, Indiana; Watson Metal Products, Kenilworth, New Jersey; Lancaster Threaded Products, Lancaster, Pennsylvania; Rods Indiana, Butler, Indiana; and J&D Industrial Products, Butler, Indiana.

Upon completing the acquisition process in June of 2010, Acme Manufacturing formed All America Threaded Products and consolidated all operations into two facilities.

ROCKY MOUNTAIN DIVISION

In July 2010, the former BoltMaster, Inc. (RediBolt) moved into the existing 160,000- square-foot Acme facility in Denver, Colorado, forming the Rocky Mountain Division of All America Threaded Products.

MID-ATLANTIC DIVISION

In November 2010, the finishing touches were put on a new 97,000-square-foot facility in Lancaster, Pennsylvania, where the former Lancaster Threaded Products and Watson Metal Products merged, forming the Mid-Atlantic Division.

Today, All America Threaded Products has a large inventory of quality, in-stock products in a variety of materials and finishes. We have multiple shipping locations in the United States, company-owned delivery trucks, and fill rates in excess of 99%. All America understands your needs and has the experience and capability to get you the right threaded product for any application you may have.





ALL AMERICA
THREADED PRODUCTS®

OUR DIVISIONS

ROCKY MOUNTAIN DIVISION

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MID-ATLANTIC DIVISION

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