

ASTM A307

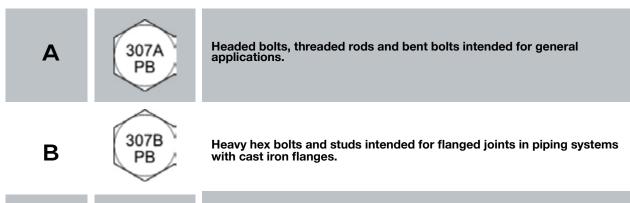
TECHNICAL SPECIFICATIONS

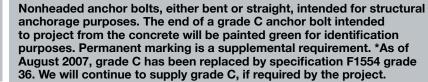
SCOPE

C*

The ASTM A307 specification covers carbon steel bolts and studs ranging from 1/4 through 4 diameter. This is your everyday, run of the mill bolt specification often manufactured using A36 round bar. There are three grades A, B, and C* which denote tensile strength, configuration, and application. Refer to the Mechanical Properties Chart for the subtle strength differences within each grade.

A307 GRADES





A307 MECHANICAL PROPERTIES

307C

PB

A307 CHEMICAL PROPERTIES

GRADE	TENSILE, KSI	YIELD, MIN, KSI	ELONG %, MIN	ELEMENT	GRADE A	GRADE B
А	60 min		18	Carbon, max	0.29%	0.29%
В	60 - 100		18	Manganese, max	1.20%	1.20%
C*	58 - 80	36	23	Phosphorus, max	0.04%	0.04%
				Sulfur, max	0.15%	0.05%

A307 RECOMMENDED HARDWARE

A307 GRA	DES A & C*	A307 GRADES B	
1/4 - 1-1/2	1/4 - 1-1/2	1/4 - 1-1/2	WASHER
A563A Hex	A563A Heavy Hex	A563A Heavy He	x F844