

## Heavy Hex Bolts ASTM A307 Gr. B

### SUBMITTAL SPECIFICATION

Abstract of ASTM A307-10

Material Grade: Low Carbon Steel 60,000 to 100,000 PSI Tensile

### Chemical Requirements (%)

Chemical Analysis shall be performed in accordance with ASTM A751

Carbon Max	Manganese Max	Phosphorus Max	Sulfur Max
0.29	1.20	0.04	0.05

### Mechanical Requirements

TENSILE (KSI)	ELONGATION IN 2 IN. MIN (%)	HARDNESS BRINELL	HARDNESS ROCKWELL
MIN: 60	MIN: 18	MIN: 121	MIN: 69
MAX:100	MAX: -	MAX: 212	MAX: 95

### Recommended Hardware:

Nuts: Heavy Hex to ASTM A533 Gr A (ASME B18.2.2)

Washers: ASTM F844 (ASME B18.22.1)

**Marking:** Manufacturers ID Plus 307B

### **Finish Options:**

Plain

Zinc to ASTM B633 TYII

HDG to ASTM A153\*F2329

Additional information can be found in ASTM A307-10 and ASTM A563-07A