

## THE MATERIALS

### Steel

Low Carbon  
Medium Carbon  
Carbon Alloy  
A193 Grades: B5 and B7  
A307 Grades: A and B  
A325 Types: 1 and 3  
A354 Grades: BC and BD  
A449 Type 1  
A490 Type 1  
Metric Classes: 8 and 10  
Metric Classes: 8.8, 10.9 and 12.9  
SAE Grades: 2, 5 and 8

### Stainless Steel

300 Series  
18.8  
302  
303  
304 and 304L  
305  
309  
310  
316 and 316L  
321  
347  
400 Series: 410  
Metric Grades: A2 and A4

### Other Materials

Aluminum  
Brass  
Hastelloy  
Monel  
Naval Bronze  
Nylon  
Silicon Bronze

## THE FINISHES

Plain  
Plated:  
Black Oxide  
Cadmium  
Cadmium Dichromate  
Nickel  
Zinc  
Zinc Dichromate  
Galvanized  
Hot-Dip  
Mechanical

## THE SPECIALS

Exotic Materials and Special Finishes  
Large and Small Diameters  
Special Heads and Shapes  
Special Lengths and Threads

## THE PRODUCTS

### Bolts and Cap Screws

Carriage  
Elevator  
Flange, 12-Point  
Flange, Serrated Hex  
Forged Eye  
Hex Cap  
Hex Machine  
Lag  
Plow  
Slotted Flat  
Square  
Step  
Tap

### Bent Bolts

Anchor  
Eye  
Hanger  
J-Bolts  
Rod Ends  
U-Bolts

### Heavy Hex Bolts

A193 Grade B5  
A193 Grade B7  
A307  
A354 Grade BD  
A449

### Structural Bolts

A325  
A490

### Cement and Mining Bolts

Button Head Rib  
Heavy Hex Rot Mill  
Liner  
T-Head Barrel  
T-Head

### Studs and Rods

A193 Grade B7 Studs  
Double End Studs  
Fully Threaded Studs  
Threaded Rod

### Screws

Deck  
Drywall  
Machine  
Self Drilling  
Sheet Metal  
Square Head Set  
Steel Drive  
Stove Bolts  
Thread Cutting  
Thumb  
Wood  
Wing

### Pins

Clevis  
Cotter  
Dowel  
Groove  
Spring  
Taper

### Washers

Belleville  
Beveled  
Countersunk Finished  
F436 Hardened  
Fender  
Machine Screw  
SAE Flat  
Split Lock  
Tooth Lock  
USS Flat

### Nuts

Cap  
Castle  
Coupling  
Finished Hex  
Heavy Hex  
Heavy Hex, Grade 2H  
Hex Jam  
Hex Jam, Heavy  
Kep Lock  
Lock, All Metal  
Lock, Nylon Insert  
Machine Screw  
Square  
Wing

### Socket Products

Socket Cap Screws, Button Head  
Socket Cap Screws, Flat Head  
Socket Cap Screws, Low Head  
Socket Head Cap Screws  
Socket Pipe Plugs  
Socket Set Screws  
Socket Shoulder Screws

### Metric Products

Fender Washers  
Flat Washers  
Hex Bolts, Full Thread  
Hex Bolts, Partial Thread  
Hex Nuts  
Lock Nuts, Nylon Insert  
Lock Washers  
Socket Cap Screws, Button Head  
Socket Cap Screws, Flat Head  
Socket Head Cap Screws  
Threaded Rod

### Miscellaneous

Anchors  
Key Stock  
Retaining Rings  
Rivets  
Sems

## THE SPECIFICATIONS

ANSI	American Iron and Steel Institute
AN	Aeronautical Standard
ANSI	American National Standards Institute
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing Materials
BS	British Standard
BSW	British Standard Whitworth
DIN	Deutsches Institut für Normung
IFI	Industrial Fastener Institute
ISO	International Organization for Standardization
JIS	Japanese Industrial Standard
MS	Military Standard
NAS	National Aircraft Standard
SAE	Society of Automotive Engineers