

ROMAC INDUSTRIES, INC.

**400 AND 500 STYLE COUPLING
BOLT AND NUT "HSLA" MATERIAL DATA SHEET
INCLUDING "U" BOLTS**

SUBMITTAL INFORMATION

MATERIAL:

Bolt High Strength, Low-Alloy / Corrosion Resistant Steel, (Cor-Ten™), (Mayari- R™). Meets or exceeds ASTM A 588, Grade E. AWWA C111 composition specifications. The material specifications of ASTM A 588 meets or exceeds ASTM A 307 Grade A.

Nuts High Strength, Low-Alloy / Corrosion Resistant Steel, (Cor-Ten™), (Mayari- R™). Meets or exceeds ASTM A563 Gr. C3, AWWA C111 composition specifications. The material specifications of ASTM A 563 Grade C3 meets or exceeds ASTM A 563 Grade A.

**PHYSICAL
PROPERTIES:**

Min. Yield Strength	45,000 psi
Min. Elongation in 2" incr.	20%
Min Tensile Strength	70 ksi

COMPOSITION:

Max. Content:	
Carbon	.20%
Manganese	1.25%
Sulfur	.05%
Min. Content:	
Nickel	.25%
Copper	.25%
Combined (Ni, Cu, Cr,)	1.25%

NOTE: The nickel, copper and chromium cause the high strength steel material to be corrosion resistant (also known as a weathering steel). This metal is recommended by the AWWA for rubber gasket joints for cast-iron pressure pipe and fittings. "U" bolts are galvanized coated.