

# TRACKHEAD BOLTS, "T" BOLTS & NUTS "HSLA"

## SUBMITTAL INFORMATION



## MATERIALS

### 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 ductile iron pressure pipe and fittings.

*This information is based on the best data available at the date printed above. Please check with Romac for any updates or changes.*