

# The Evolution of Pipe: Not Your Grandfather's Pipe

TYPICAL % COMPOSITION BY WEIGHT

STRENGTH IN PSI

| TIME PERIOD    | STEEL TYPE                   | CU          | CR          | NI          | SI          | P           | G101<br>CORROSION<br>INDEX | YEILD         | TENSILE       |
|----------------|------------------------------|-------------|-------------|-------------|-------------|-------------|----------------------------|---------------|---------------|
| 1900 - 1940    | Hard Red                     | 0.20        | 0.00        | 0.00        | 0.00        | 0.01        | 4.11                       | 55,000        | 70,000        |
|                |                              |             |             |             |             |             |                            |               |               |
| 1940 - 1980    | COR-TEN                      | 0.41        | 0.84        | 0.28        | 0.48        | 0.09        | 8.35                       | 50,000        | 70,000        |
|                | Kai-Well                     | 0.27        | 0.00        | 0.09        | 0.09        | 0.04        | 5.36                       | 55,000        | 70,000        |
|                | USS Well Casing              | 0.26        | 0.00        | 0.00        | 0.08        | 0.03        | 5.06                       | 50,000        | 70,000        |
| 1980 - PRESENT | <b>HSLA ASTM A606 TYPE 4</b> | <b>0.31</b> | <b>0.72</b> | <b>0.26</b> | <b>0.29</b> | <b>0.02</b> | <b>6.87</b>                | <b>55,000</b> | <b>75,000</b> |
|                | Copper Bearing               | 0.20        | 0.02        | 0.01        | 0.00        | 0.03        | 3.91                       | 44,000        | 68,000        |
|                | Mild Steel                   | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00                       | 35,000        | 50,000        |

LEARN MORE AT

[custompipe.com](http://custompipe.com)