

General Steel Specifications

(Note: we do not use #409 SS)

| Components: | Hot Rolled "mild" | COR-TEN® | <i># 409 Stainless</i> | # 304 Stainless |
|------------------------|--------------------------|------------------------|------------------------|------------------------|
| Carbon | 0.23 % | 0.09 % | <i>0.15 %</i> | 0.08 % |
| Chromium | 0 | 0.63 % | <i>12.0 %</i> | 19.0 % |
| Nickel | 0 | 0.30 % | <i>0</i> | 10.0 % |
| Copper | 0 | 0.56 % | <i>0</i> | 0 |
| Manganese | 1.35 % | 0.33 % | <i>0</i> | 2.0 % |
| Yield point | 36,000 psi | 50,000 | <i>30,000</i> | 30,000 |
| Cost (% of mild steel) | 1 x | 1.9 x | <i>2.9 x</i> | > 5.5 x |
| Rust: surface | yes | thin oxide only | <i>spots</i> | no |
| Rust: through | yes | no | <i>no</i> | no |
| Magnetic | yes | yes | <i>yes</i> | no |

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