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410 STAINLESS STEEL

APPLICABLE SPECIFICATIONS

ASTM A276/A565, UNS S41000, NACE MR-0175/ISO 15156, W1.4006

A martensitic stainless which is capable of good wear and corrosion resistance

TYPICAL APPLICATIONS

Valves, valve internals, surface wellhead components.

CHEMICAL ANALYSIS RANGE (WT%)

C	0.15 Max	P	0.040 Max
Si	1.00 Max	S	0.030 Max
Mn	1.00 Max	Cr	11.50 - 13.50

HEAT TREATMENT

SQA bar stock is in the solution annealed & double tempered condition to meet NACE (22 HRC max)

TYPICAL MECHANICAL PROPERTIES IN SOLUTION ANNEALED CONDITION

0.2% Yield Strength	75000 PSI min
Tensile Strength	95000 PSI min
Elongation	18% min
Reduction of Area	35% min
Hardness	22 HRC
Charpy V Notch @ -29 DEG C	27/20 Joules

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