



Bessemer Road
Sheffield S9 3XN
Tel: +44 (0) 114 2434366
Fax: +44 (0) 114 2441199
sales@specialqualityalloys.com
www.specialqualityalloys.com

410 STAINLESS STEEL – UNS S41000

APPLICABLE SPECIFICATIONS

ASTM A479/479M (Chemistry Only) NACE MR-0175/ISO 15156

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

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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