

C	Cr	Mn	Ni	P	S	SI
MAX		MAX		MAX	MAX	MAX
0.15	11.5-13.5	1.0	0.50	0.04	0.03	0.75

**CHEMICAL COMPOSITION %**

## DESCRIPTION

Type 410 is a martensitic stainless steel which is magnetic, resists corrosion in mild environments and has fairly good ductility. 410 pipe is used where abrasion and wear resistance is needed, combined with fair resistance to general corrosion and oxidation.

## DESIGN FEATURES

- Martensitic stainless steel with high mechanical properties.
- Ferromagnetic in the annealed or hardened condition.
- Contains minimum amount of chromium to impart stainless steel properties.
- Resists oxidation and scaling up to 1200F.
- Resists abrasion and wear better than most 300 series stainless steels.
- Good sulphide stress corrosion cracking resistance
- Hardness in one 410's best features

## AVAILABILITY

## SPECS

SEAMLESS PIPE	1/2" - 8"	A268
PLATE AND SHEET	3/16" - 1"	A240
FORGINGS		A182

## TYPICAL APPLICATIONS

Pipelines transporting fluids mixed with solids like coal, sand or gravel

## TENSILE REQ

Tensile Strength	(KSI) 60
Yield Strength	(KSI) 30

KSI can be converted to MPA (Megapascals) by multiplying by 6.895.  
 NOTE: 410S generally applies to flat rolled products and requires .08 MAX Carbon content.