

UNS S31254 /254SMO/F44/1.4547

254SMO is a super Austenitic Stainless Steel. It is designed with a combination of impact toughness resistance to chloride stress corrosion cracking, and pitting and crevice corrosion with strength that is twice that of the stainless steel 300 series.

The following sections will discuss in detail about Stainless Steel Grade 254SMO.

Chemical Composition, %

Ni	Fe	Cr	Cu	Mo	N
17.5~18.5	Balance	19.5~20.5	0.5~1.0	6.0~6.5	0.18~0.22
C	Mn	P	S	Si	
0.002max	1.0max	0.030max	0.010max	0.80max	

Mechanical Properties

Material Grade	Yield Strength, Min(Mpa)	Tensile Strength, Min(Mpa)	Elongation,Min(%)
254SMO	300	650~820	28

ASTM SPECIFICATION

Pipe, SMLS& Welded	Tube , SMLS&Welded	Sheet/Plate	Bar /Rod	Forging /Flange	BW Fittings
ASTM A312	ASTM A269	ASTM A240	ASTM A276/A479	ASTM A182	ASTM A403

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Henan, China
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Product: BW Fittings (Elbow, Reducer, Cap, Tee, Stub Ends)
Standard: ASTM A403

45deg Elbow



90deg Elbow



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Concentric Reducer



Equal Tee



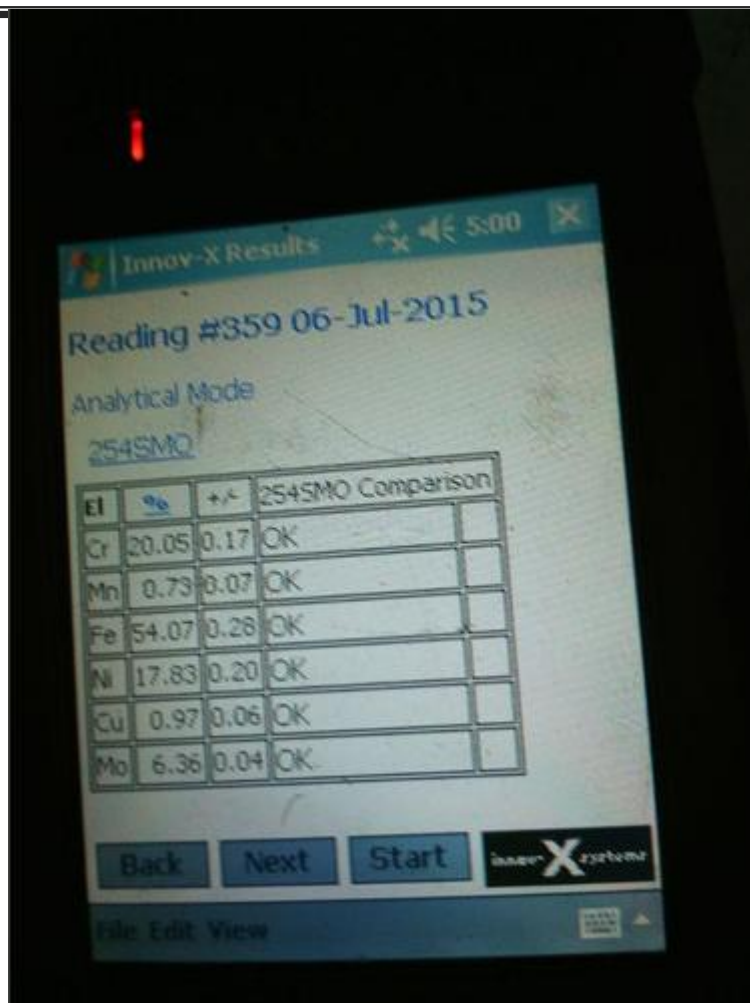
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Stub Ends



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Product : Forgings / Flanges
Standard: ASTM A182



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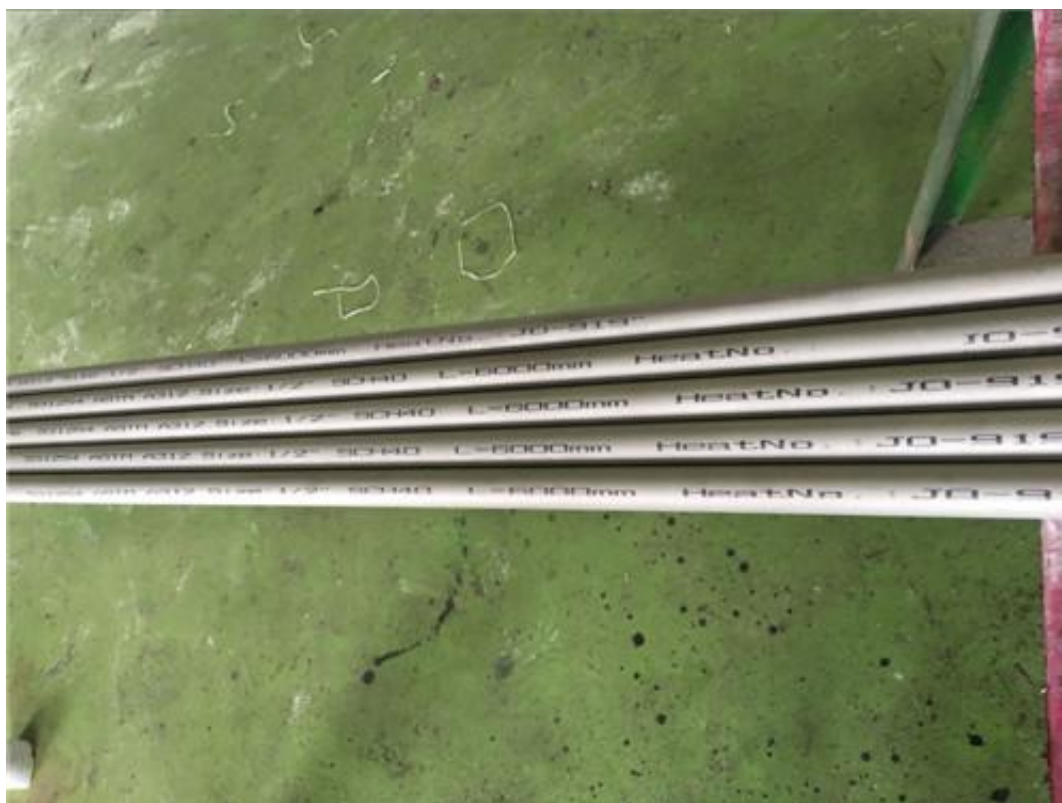


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Product: Seamless & Welded Pipes /Tubes
Standard :ASTM A312, ASTM A269



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Bolts and Nuts



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Product : Plate ,Sheet
Standard: ASTM A240



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Product: Bar/ Rod

Standard: ASTM A276/A479

