

Super Duplex S32760 / A182 F55 /1.4501

S32760 is a super duplex stainless steel with a 50:50 austenite, ferrite microstructure. The material combines high mechanical strength and good ductility with excellent corrosion resistance in a variety of environments.

This material is generally supplied in the annealed condition giving yield strength in excess of 550Mpa, this material cannot be hardened by heat treatment but stronger surface strength can be achieved by cold working.

Typical applications include many components for the chemical processing, marine, oil and gas, pollution control and food industries amongst others.

Chemical Composition, %

Ni	W	Cr	Cu	Mo	N
6.0~8.0	0.5~1.0	24.0~26.0	0.5~1.0	3.0~4.0	0.2~0.3
C	Mn	P	S	Si	Fe
0.03max	1.0max	0.03max	0.01max	1.0max	Balance

Mechanical Properties

Material Grade	Yield Strength, Min(Mpa)	Tensile Strength, Min(Mpa)	Elongation,Min(%)	Hardness
S32760	>550	730~930	25	290HB Max

ASTM SPECIFICATION

Pipe, SMLS& Welded	Tube, SMLS& Welded	Pipe , Welded	Sheet/Plate	Bar /Rod	Forging /Flange	BW Fittings
ASTM A790	ASTM A789	ASTM A928	ASTM A240	ASTM A276/A479	ASTM A182	ASTM A815

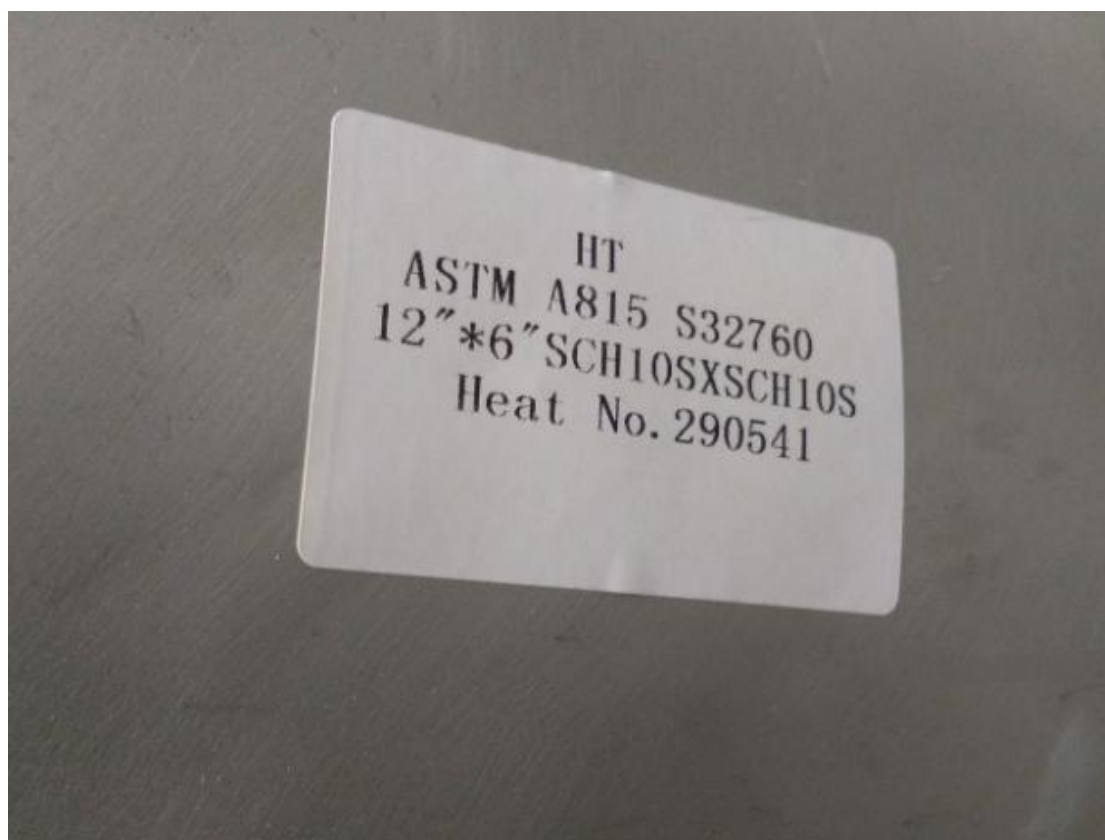
Henan Shuangzhong Intelligent Technology Co. , Ltd.
河南双众智能科技有限公司
Building 1, Hengfeng Technology Innovation Center, Ruyun Road,
Zhengzhou Airport Economic Comprehensive Experimental Zone,
Henan, China
TEL:+86 19069638227 Email:info@manufacturerpipe.com

Product: BW Fittings (Elbow, Reducer, Cap, Tee, Stub Ends)
Standard: ASTM A815

Reducing Tee



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Equal Tee



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Elbows



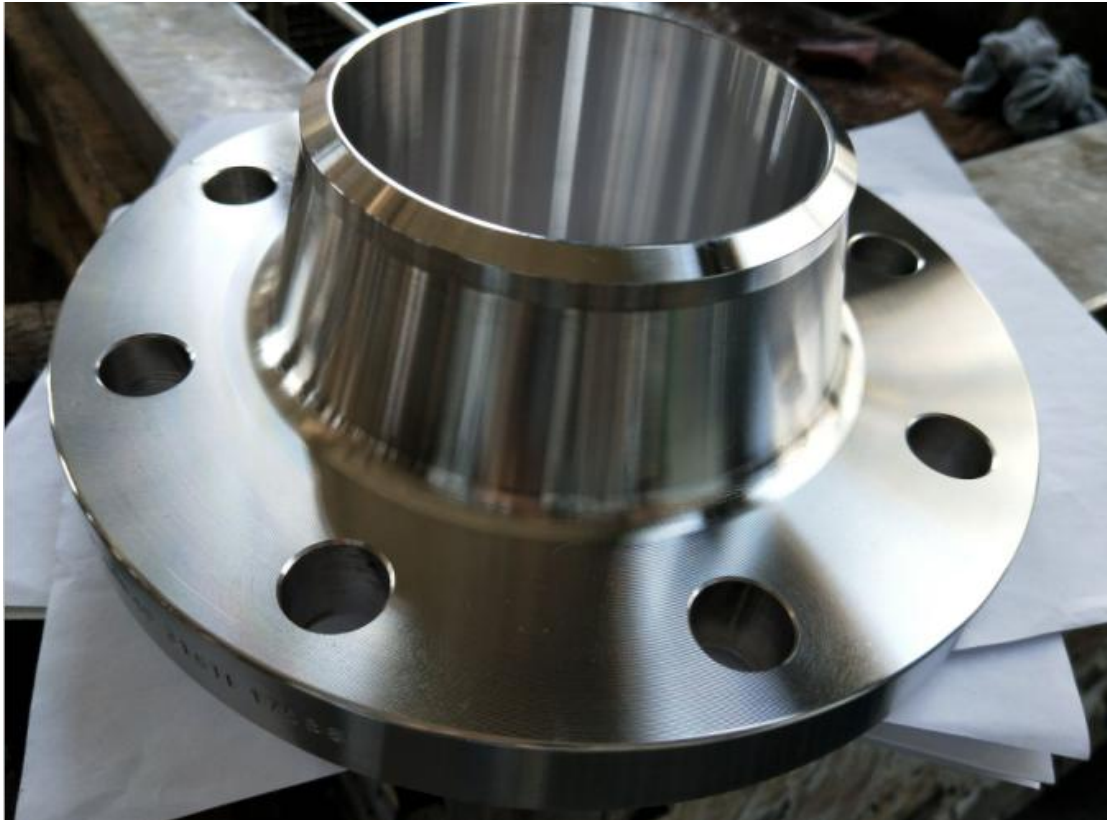
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Concentric & Eccentric Reducer



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Product : Forgings / Flanges
Standard: ASTM A182



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SW Elbow



Swage Nipple



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SW Coupling



Threadolet



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



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S32760 Hex Bolts &Nuts



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Product : Plate ,Sheet
Standard: ASTM A240



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Product: Bar/ Rod

Standard: ASTM A276/A479

