

HASTELLOY® S DATA SHEET

AWS Class
AWS , ASME
UNS N06635
AMS 5838

DEPOSIT COMPOSITION

Ni	Fe	Cu	Mn	Si	S	C	Cr	Mo
Balance	3.00 max	0.35	0.30-1.00	0.20-0.75	0.015 max	0.02 max	14.50-17.00	14.00-16.50
W	Co	P	Al	La	B			
1.00 max	2.00 max	0.02 max	0.10-0.50	0.01-0.10	0.015 max			

HASTELLOY® S weld metal deposits contain excellent thermal stability, low thermal expansion, and excellent oxidation resistance at high temperatures. This filler metal is an ideal choice for joining dissimilar metals in cyclic heating applications and long term temperature exposure. HASTELLOY® S will retain its' strength and ductility after aging at temperatures of 800°F to 1600°F.

Diameters

0.030"	0.035"	0.045"
3/32"	1/16"	1/8"
5/32"	3/16"	

Available in TiG cut length, MiG spools, and coil forms

Maintaining a proper welding procedure, including pre-heat and interpass temperatures, may be critical depending on the type and thickness of material being welded.

HASTELLOY® S is a registered trademark of Haynes International.

CAUTION: Consumers should be thoroughly familiar with the safety precautions on the warning label posted in each shipment and in the American National Standards A49.1, "Safety in Welding and Cutting," published by the American Welding Society, 8669 NW 36 Street, #130, Miami, FL 33126: OSHA Safety and Health Standards 29 CRF 1910 is available from the U.S. Department of Labor, Washington, D.C. 20210. SDS' may be obtained at the website below.