

Alloy 556® DATA SHEET

AWS Class A5.9

AWS ER3556

UNS R30566

AMS 5831

DEPOSIT COMPOSITION

Ni	Fe	Co	Mn	Si	S	C	Cr	Mo
19.00-22.50	Balance	16.00-21.00	0.50-2.00	0.80 max	0.015 max	0.15 max	21.00-23.00	2.50-4.00
W	P	Al	Nb / Ta	B	Zr	N	La	
2.00-3.50	0.04 max	0.50 max	0.30-1.25	0.02 max	0.15 max	0.30 max	0.10 max	

HAYNES® 556® is an ideal choice for welding dissimilar metals for high temperature environments. The weld metal contains excellent resistance and heat treating.

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

Maximum Tensile Strength: 107,000 psi

Percent Elongation in 2": 43%

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

556® 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.