

UNITED STATES WELDING CORPORATION

USW ALLOY DESIGNATION AND DESCRIPTION	TURBALOY® 308L HQ-GRADE GTAW SOLID BARE WELDING WIRE IRON BASE	ISO 9001 AS 9100 Revision A	DATA SHEET 1436
CROSS-REFERENCE CONFORMANCE SPECIFICATIONS	USW 1436 UNS S30883 AWS A5.9 ER308L		
METALLURGICAL BACKGROUND INFORMATION	TURBALOY® 308L undergoes a series of proprietary abrading and cleaning processes to remove all surface contaminants. These manufacturing processes ensure a consistent ultra-clean weld wire surface. TURBALOY® 308L is a low carbon stainless steel that reduces the possibility of intergranular carbide precipitation and increases the resistance to intergranular corrosion without the use of stabilizers such as columbium and titanium.		
MATERIALS TO BE WELDED AND APPLICATIONS	Typically used weld 304, 304L, 321 and 347 type stainless steels		
WIRE CHEMISTRY WT%	Manganese 1.00 2.50 Nic Silicon 0.30 0.65 Mo	lybdenum .75 pper - 0.75	
WELD PROPERTIES	Tensile Strength (Psi): 83,000 Elongation: 40%		
SIZES AND FORMS AVAILABLE	STRAIGHT LENGTHS 5 lb. (2.2kg) packs 36" (914mm) lengths Flag tagged for traceability. (Double tagging and other lengths on request) Wide range of diameters. Straight Lengths SPOOLED WIRE Precision layer wound, with controlle 12" (300mm) diameter spools standa 8" (200mm), 4" (100mm) and propri on request. Wide range of diameters and spool with the straight of the straight o		controlled cast and helix s standard d proprietary spool sizes
PACKAGING	Sealed polyethylene envelopes. (Desiccants optional)		
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