

Material Type:	316L, 304L or 304 Stainless steel	
Dimensions:	ASTM Tube Sizes: <ul style="list-style-type: none"> • .250" x .500" • .500" x 750" • 1.00" x 1.25" • .375" x 625" • .750" x 1.00" • 1.50" x 2.00" • 2.00" x 2.50" JIS Pipe Sizes: <ul style="list-style-type: none"> • 10A x 20A • 15A x 25A • 20A x 32A • 25A x 40A • 32A x 40A 	
Reference Documents:	ASTM: A 269, A 479 & A 276 JIS: G 3459	
Tube Lengths:	Nominal lengths: 20-foot, 4-meter, 6-meter	
Manufacturing Method:	Outer Tube & Sleeve: Tubing: <ul style="list-style-type: none"> • 1/2" to 3" (12.7mm to 76.2mm) Seamless or welded, as directed by customer Sleeves: <ul style="list-style-type: none"> • Seamless or welded JIS: <ul style="list-style-type: none"> • 8A to 32A (13.8mm to 42.7mm): Seamless or welded, as directed by customer's purchase order. Sleeves: Seamless or welded.	
Outer Tube Annealing Process (except sleeves):	Bright annealed	
Tolerances:	In accordance to ASTM: A 269 & A 632, JIS: G 3459	
Interior Surface Electropolished:	<ul style="list-style-type: none"> • A5: 5 micro-inch (.13 micro-meters) Ra max. • A7: 7 micro-inch (.18 micro-meters) Ra max. • B0: 10 micro-inch (.25 micro-meters) Ra max. • C0: 10 micro-inch (.25 micro-meters) Ra. 	
Weld Ends:	Square ends suitable for orbital welding	
Testing & Inspection:	Outer Tube: <ul style="list-style-type: none"> • Visual Inspection • Dimensional Inspection • Outer Tube Leak Testing 	Inner Tube: <ul style="list-style-type: none"> • Per Vallex Specification: SP-9204, SP-9206, SP-9207, SP-9220, or SP-9223
Marking & Traceability:	Inner component is traceable to its producing mill and heat by an identification number.	
Labeling:	Each component's bag is affixed with a label identifying the component's part number, date and Vallex lot number.	

Documentation:	A Quality Inspection Certificate is furnished for the inner tube with each shipment. The report contains the following information: <ul style="list-style-type: none">a. Material composition & applicable specification designationb. Nominal outside diameter sizec. Chemical compositiond. Statement of quality assurance testinge. Inspection Certificate type 3.1 per EN 10204:2004f. Lot & heat identification for traceability
Packaging:	Assembled product packaged per applicable specification