

ASTM A778-88/ASME SA778 WELDED UNANNEALED AUSTENITIC STAINLESS STEEL TUBULAR PRODUCTS¹**1. Scope**

1.1 This specification covers straight seam and spiral butt seam welded unannealed austenitic stainless steel tubular products intended for low and moderate temperatures and corrosive service where heat treatment is not necessary for corrosion resistance. Table 1 lists the five grades covered by this specification. The user of this specification should be aware that a minimum amount of testing and examination is required of the basic product. The user requiring additional testing or examination is referred to the supplemental requirements or Ordering Information, or both. Users requiring a tubular product with post-weld heat treatment or with radiographic examination are referred to Specifications A 312, A358, or A409² as applicable.

1.2 This specification covers welded unannealed tubular products 3 in.(75mm) through 48 in.(1200mm) in outside diameter and in nominal wall thickness of 0.062in. (1.5mm) through 0.500 in.(12.5mm) produced to this specification. Tubular products having other diameter, or wall thickness, or both may be furnished provided it complies with all other requirements of this specification.

1.3 the values stated in inch-pound units are to be regarded as the standard.

JIS Number and Corresponding Foreign Standards

JIS			ASTM			BS			ISO			Index Number
Standard Number	Grade	Type	Standard Number	Grade	Type	Standard Number	Grade	Type	Standard Number	Grade	Type	
G3468		A409	TP304	SUS					2604/5	TW47	SUS	C009
304TPY	SUS	A358	304	SUS								
SUS		A409	TP304L	SUS					2604/5	TW46	SUS	
304LTPY	SUS	A358	304L	SUS								
SUS		A358	309	SUS								
309STPY	SUS											
SUS		A358	309	SUS								
310STPY	SUS											
SUS		A409	TP316	SUS					2604/5	TW60	SUS	
316TPY	SUS	A358	316	SUS					"	TW61	SUS	
SUS		A409	TP316L	SUS					2604/5	TW57	SUS	
316LTPY	SUS	A358	316L	SUS								
SUS		A409	TP317	SUS								

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