A 316/316L (UNS S31600/S31603) a c - c e- bde a e c a e tee de e ed . de . ed c e a ce A 304/304L de a e c . e e . e . lf fe ed ce ea c a g c de a de . T e add f bde . e ge e a c a d c de g e a ce. l a . de g e c ee , e - - e a d e e g a ee a ed e e a e .

l c act ce f 316L be d a ce ed a 316 a d 316L. T e ca b c e f 316L c b ed a add f ge e ab e 316L ee e ec a ca e e f 316.

A 316/316L e a e c c , a e a , de a e d g a d ed c g e . e . l a e c ed a e a e e . T e a a e ce e e a ce e g a a c e a - e ded c d . A 316/316L a e ce e e g a d g e a c ge c e e a e .

A 316/316L - ag e c e a ea ed c d , b ca bec e g ag e c a a e f c d g e d g. l ca be ea e ded a d ce ed b a da d fab ca act ce .

Standards

ASTM ..... A 240
ASME ..... SA 240
AMS 5524/5507
QQ-S 766

Applications

C e ca a d Pe c e ca P ce g e e e , a , ea e c a ge , g e , a ge , g , a e a d F d a d Be e age P ce g

Mechanical Properties

At Room Temperature

	Typical*	ASTM	
		Type 316	Type 316L
0.2% Off et Yield Stre gth,	44	30 .	25 .
Ultimate Tensile Stre gth,	85	75 .	70 .
Elongation 2 inches, %	56	40 .	40 .
Reduction of Area, %	69		
Hardness, Rockwell B	81	95 a .	95 a .

**0.375 inch plate*

Corrosion Resistance

ALLOY	Cr	Mo		
Type 304	18.0		0.06	19.0
Type 316	16.5	2.1	0.05	24.2
Type 317	18.5	3.1	0.06	29.7
SSC-6MO	20.5	6.2	0.22	44.5

[1] *Pitting Resistance Equivalent, including Nitrogen, PREN = Cr + 3.3Mo + 16N*
[2] *Critical Crevice Corrosion Temperature, CCCT, based on ASTM G-48B (6% $FeCl_3$ for 72 hr, with crevices*
[3] *Critical Pitting Temperature, CPT, based on ASTM G-48A (6% $FeCl_3$ for 72 hr)*