

# Duplex Welding Consumables

## The advantages over traditional austenite stainless steel:

- Higher mechanical strength and toughness
- Better thermal expansion, ductility and easy to form (EL% = 25-35)
- Better resistance to pitting and crevice corrosion
- Better resistance to fatigue and stress corrosion cracking
- Better welding performance

## Key benefits

- Reinforcement for longer lifetime
- Meeting more demanding applications, including hot, humid and maritime climate
- Aesthetics improvement and weight reduction
- Cost saving in manufacturing on both material and labor costs

GMAW & GTAW			
Product Name	AWS Classification	Diameter	Packaging & Weight
AW-2209	ER2209	0.035" to 1/16"	Spool: 33lbs, 44lbs, 60lbs
AWT-2209	ER2209	0.045" to 3/16"	Tube Pack: 36" x 10lbs
AW-2594	ER2594	0.035" to 1/16"	Spool: 33lbs, 44lbs, 60lbs
AWT-2594	ER2594	0.045" to 3/16"	Tube Pack: 36" x 10lbs

FCAW			
Product Name	AWS Classification	Diameter	Packaging & Weight
AFX-2209T1 AFX-2209T0	E2209T1-1/4, E2209T0-1/4	0.045" to 1/16"	Spool: 33lbs
AFX-2594T1	E2594T1-1/4	0.045" to 1/16"	Spool: 33lbs

SMAW			
Product Name	AWS Classification	Diameter	Packaging & Weight
ASE-2209	E2209-16	5/64" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs
ASE-2553	E2553-16	5/64" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs
ASE-2594	E2594-16	5/64" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs

SAW			
Product Name	AWS Classification	Diameter	Packaging & Weight
ASA-2209	ER2209	3/32" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs
ASA-2594	ER2594	3/32" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs

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