

## Introduction

SS304 is a 304 stainless steel wire that is specifically designed for arc spraying. It produces dense, well bonded coatings with excellent machine ability and also good at wear, corrosion resistance. SS304 is widely used for machine element repair, dimensional restoration and wear resistance applications. It has relatively high shrink characteristics and should not be used for the thick of coatings over 0.075 inches.

**Equivalent:** PMET 710, TAFE 80T

## Chemical & Physical Properties

Cr	Ni	Mn	Si	Fe	C
18	8	2	1.0	Bal.	0.08

## Applications

- Part restoration
- Resurface

## Deposit Characteristics

Typical Hardness	HRB 90-100
Bond Strength	4650 PSI
Deposit Rate	10 lbs /hr/100A
Wire Coverage	0.8 oz/ft <sup>2</sup> / m
Deposit Efficiency	75%
Surface Texture	Variable
Machine ability	Good

## Standard Dimensions

Wire	Diameter (mm)	Tolerance (mm)
	1.6, 2.0, 3.17	+ 0 / - 0.05

Other sizes (diameter and wire weight) can be manufactured accordingly to the requirements of customers.

## Packaging

Spool	15kgs / spool (D300 spool)
Coil	20 - 400kgs / coil