

Introduction

Wisdom SS200S is an 18/5 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. SS200S is widely used for machine element repair, dimensional restoration and wear resistance applications.

Equivalent: PMET 723, TAFA 55T

Chemical & Physical Properties

Ni	Cr	Mn	Fe	Si	C
5	18	8.5	Bal.	1.0	0.15

Applications

- Part restoration
- Rams & Food industry rolls

Deposit Characteristics

Typical Hardness	HRB 90-96
Bond Strength	4350 PSI
Deposit Rate	10 lbs/hr/100A
Deposit Efficiency	80%
Wire Coverage	0.8 oz/ft ² / m
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