



# Stainless Steel Solid Wire

MIG/TIG Welding

AWS A5.9: ER430  
ISO 14343-A 2009 17

## SW-430

### DESCRIPTION & APPLICATION

Ferritic Stainless Steel Filler wire for the joining and overlay of Stainless Steels of similar composition. Used for the welding of Exhaust components, casting reclamation and fabrication of pipework used in automotive, paper and chemical process plant.

### BASE MATERIALS

Ferritic Stainless Steel of similar composition, such as Automotive Exhaust Systems ASTM 430, Din 14016, 14057, 14059.

### MECHANICAL PROPERTIES

~530 UTS n/mm	~350 YIELD 0.2%	~24 ELONG A5%	~120 HARDNESS HV
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### METAL WELD COMPOSITION %

<b>C</b>	<b>Si</b>	<b>Mn</b>	<b>Cr</b>	<b>Ni</b>	<b>Mo</b>	<b>S</b>	<b>P</b>	<b>Fe</b>
0.02	0.35	0.5	16.5	0.25	0.02	0.005	0.02	BAL

### PACKAGING

15kg Spools (MIG)  
5kg Tubes (TIG)

### DIAMETERS

0.8, 1.0, 1.2mm (MIG)  
1.6, 2.4, 3.2mm (TIG)

### WELDING INSTRUCTIONS

Pure Argon (TIG), or 2% Argon-Ox (MIG). Do not allow the base material to overheat to prevent grain growth. Where PWHT is not practicable 430 can be welded with an austenitic wire such as 308L or 309L.

Need Help?

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