

## TECHNICAL DATASHEET - WELDING CONSUMABLE

<b>AWS Code:</b>	ER310
<b>Product Code:</b>	RW 310
<b>Werkstoff No.:</b>	(1.4842)
<b>MIG Certification:</b>	CE
<b>TIG Certification:</b>	CE

### EQUIVALENT OF OTHER STANDARD

EN ISO 14343-A:2017 Nominal Composition	AWS A5.9:2017 Alloy Designation	EN ISO 14343-B:2017 Alloy Type	AWS A5.9:2017 Composition Designation
25 20	ER310	SS310	ER310

### DESCRIPTION AND APPLICATIONS

RW 310 is used for welding heat-resistant stainless steels alloyed around 25% Cr and 20% Ni. High Cr content provides good corrosion resistance at elevated temperatures. Because it is fully austenitic, hot-cracking sensitivity must be considered and operation above 1000°C is not recommended. Typical applications include industrial furnaces, annealing chambers, molten salt plants, boiler components and heat exchangers.

### TYPICAL CHEMICAL COMPOSITION (%)

	Min.	Max.
<b>C</b>	0,08	0,15
<b>Mn</b>	1,00	2,50
<b>Si</b>	0,30	0,65
<b>S</b>	-	0,020
<b>P</b>	-	0,030
<b>Cr</b>	25,0	27,0
<b>Ni</b>	20,0	22,0
<b>Mo</b>	-	0,30
<b>Cu</b>	-	0,30
<b>N</b>	-	-
<b>Nb</b>	-	-
<b>Ti</b>	-	-

### DIAMETER

<b>MIG sizes</b>	0,8   0,9   1,0   1,14   1,2   1,6
<b>TIG sizes</b>	0,8   0,9   1,0   1,2   1,6   2,0   2,4   3,2   4,0
<b>SAW sizes</b>	1,6   2,0   2,4   3,2   4,0

### PACKAGING

<b>MIG</b>	Blue Metallic Wire Basket BS300: 15 Kg. Plastic Spool D300: 15 Kg. Plastic Spool D200: 5 Kg. Wooden/Metallic Bulk Spool: 250 Kg. Drum: 250-400 Kg.
<b>TIG</b>	Carton Boxes/Tubes: 5 Kg. (1000 mm Rod Length)
<b>SAW</b>	Metallic Wire Basket K415 Wooden/Metallic Bulk Spool: 250 Kg. Drum: 300 Kg.

Note: Safety Data Sheet is available on request.