

TECHNICAL DATASHEET - WELDING CONSUMABLE

AWS Code:	ER312
Product Code:	RW 312
Werkstoff No.:	1.4337
MIG Certification:	-
TIG Certification:	-

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
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DESCRIPTION AND APPLICATIONS

RW 312 is preferred for dissimilar metal joints such as carbon steel to stainless steel. The high-ferrite weld metal improves resistance to hot cracking. It helps maintain a dual-phase microstructure in applications with high Ni dilution. Not recommended above 300°C or for components requiring post-weld heat treatment.

TYPICAL CHEMICAL COMPOSITION (%)

	Min.	Max.
C	-	0,15
Mn	1,00	2,50
Si	0,30	0,65
S	-	0,020
P	-	0,030
Cr	28,0	32,0
Ni	8,0	10,5
Mo	-	0,30
Cu	-	0,30
N	-	-
Nb	-	-
Ti	-	-

DIAMETER

MIG sizes	0,8 0,9 1,0 1,14 1,2 1,6
TIG sizes	0,8 0,9 1,0 1,2 1,6 2,0 2,4 3,2 4,0
SAW sizes	1,6 2,0 2,4 3,2 4,0

PACKAGING

MIG	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.
TIG	Carton Boxes/Tubes: 5 Kg. (1000 mm Rod Length)
SAW	Metallic Wire Basket K415 Wooden/Metallic Bulk Spool: 250 Kg. Drum: 300 Kg.

Note: Safety Data Sheet is available on request.