

TECHNICAL DATASHEET - WELDING CONSUMABLE

AWS Code:	-
Product Code:	RW 4122
Werkstoff No.:	1.4122
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 4122 is a 17% chromium (Cr) stainless welding wire used for weld overlay and hardfacing applications. Used for welding and overlaying matching or similar 17% Cr stainless steels as well as cast steels. Used for sealing-surface overlays on steam and gas valves made from cast steel, non-alloy steel, or low-alloy steel. Designed for temperatures up to 450°C and combines very good corrosion resistance with high hardness. The weld overlay build-up can be machined with ordinary cutting tools, ground, and tempered, achieved hardness is about 45 HRC.

TYPICAL CHEMICAL COMPOSITION (%)

	Min.	Max.
C	0,33	0,43
Mn	-	1,00
Si	-	0,70
S	-	0,020
P	-	0,030
Cr	15,5	17,5
Ni	-	1,0
Mo	0,90	1,20
Cu	-	-
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.