

TECHNICAL DATASHEET - WELDING CONSUMABLE

AWS Code:	ER420
Product Code:	RW 420
Werkstoff No.:	-
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
-	ER420	SS420	ER420

DESCRIPTION AND APPLICATIONS

RW 420 / RW 420C is a 13% Cr martensitic stainless welding wire class for similar stainless steels and hard, wear-resistant surface applications. RW 420 is used for welding similar martensitic stainless steels and for obtaining hard surfaces. RW 420C is preserved as the higher-carbon variant compared with RW 420. Overlay and thermal spray applications target wear resistance.

TYPICAL CHEMICAL COMPOSITION (%)

	Min.	Max.
C	0,30	0,40
Mn	-	0,60
Si	-	0,50
S	-	0,030
P	-	0,030
Cr	12,0	14,0
Ni	-	0,6
Mo	-	0,75
Cu	-	0,75
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.