

TECHNICAL DATASHEET - WELDING CONSUMABLE

AWS Code:	ER430
Product Code:	RW 430
Werkstoff No.:	1.4016
MIG Certification:	-
TIG Certification:	-

EQUIVALENT OF OTHER STANDARD

EN ISO 14343-A:2017 Nominal Composition (17)	AWS A5.9:2017 Alloy Designation ER430	EN ISO 14343-B:2017 Alloy Type SS430	AWS A5.9:2017 Composition Designation ER430

DESCRIPTION AND APPLICATIONS

RW 430 / RW 430LNB / RW 430LNBTI is a ferritic stainless welding wire class for welding similar alloys, overlay applications and thermal spray use. RW 430 offers good ductility in the heat-treated condition and is used for similar-alloy welding. RW 430LNB is a low-carbon Nb-bearing ferritic wire developed for automotive exhaust systems requiring corrosion and heat-fatigue resistance. RW 430LNBTI is preserved as the Nb-Ti-alloyed ferritic variant in the same class.

TYPICAL CHEMICAL COMPOSITION (%)

	Min.	Max.
C	-	0,10
Mn	-	0,60
Si	-	0,50
S	-	0,030
P	-	0,030
Cr	16,0	17,0
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.

TECHNICAL DATASHEET - WELDING CONSUMABLE

AWS Code:	(ER430LNb)
Product Code:	RW 430LNB
Werkstoff No.:	1.4511
MIG Certification:	-
TIG Certification:	-

EQUIVALENT OF OTHER STANDARD

EN ISO 14343-A:2017 Nominal Composition 18 LNb	AWS A5.9:2017 Alloy Designation (ER430LNb)	EN ISO 14343-B:2017 Alloy Type (SS430LNb)	AWS A5.9:2017 Composition Designation (ER430LNb)

DESCRIPTION AND APPLICATIONS

RW 430 / RW 430LNB / RW 430LNB-TI is a ferritic stainless welding wire class for welding similar alloys, overlay applications and thermal spray use. RW 430 offers good ductility in the heat-treated condition and is used for similar-alloy welding. RW 430LNB is a low-carbon Nb-bearing ferritic wire developed for automotive exhaust systems requiring corrosion and heat-fatigue resistance. RW 430LNB-TI is preserved as the Nb-Ti-alloyed ferritic variant in the same class.

TYPICAL CHEMICAL COMPOSITION (%)

	Min.	Max.
C	-	0,02
Mn	-	0,80
Si	-	0,50
S	-	0,020
P	-	0,030
Cr	17,8	18,8
Ni	-	0,6
Mo	-	0,30
Cu	-	0,30
N	-	0,02
Nb	0,05+ 7(C+N)	0,60
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.