

RAAJMIG ER 430

Stainless steel continuous & cut length solid welding wire for MIG/TIG welding

CLASSIFICATION : AWS/SFA-5.9: ER430, BS 17
DIN 8556: WK. 1.4015

CHARACTERISTICS : ER430 is 17%Cr stainless steel welding wire for MIG/TIG and SA welding of AISI 430 type steels. The wire is designed for weld beads that are shiny, finely rippled and uniform with Argon+O₂ or CO₂ Gas Mixtures as shielding gas.

APPLICATION : ER 430 for welding of there equivalent 13 Cr% and 17 Cr % base, materials, surfacing machine parts and to provide adequate corrosion resistance while retaining sufficient ductility in heat-treated conditions.

SHIELDING GAS : welding with 100% Ar gas Or Ar+2%O₂ gas.

CHEMICAL COMPOSITION % (solid wire chemistry)

C	Mn	Si	S	P	Ni
0.10 max.	0.60 Max.	0.50 Max.	0.030 Max	0.030 Max	0.60 Max.
Cr	Mo	Cu			
15.50-17.00	0.75 max.	0.75 Max			

ALL WELD MECHANICAL PROPERTIES (UNDER Ar GAS SHIELD)

UTS (N/mm ²)	Proof strength (N/mm ²)	EL % (5d)	HARDNESS
510-650	380-480	22-32	300-400 BHN

DIEMENSION, CURRENT CONDITION & PACKING DATA (RAAJMIGER430)

Size(mm)	Size(inch)	Current Condition (DC+)	Voltage (V)	Gas Flow Rate L/min.	Spool packing 12.5 kg.	Spool packing 15 kg	Drum packing 100/200kg
0.80	0.031	70-220	16-24	10-20	√	√	X
1.20	0.047	150-300	24-34	15-25	√	√	√
1.60	1/16"	150-350	28-36	15-30	√	√	√

DIEMENSION, CURRENT CONDITION & PACKING DATA (RAAJTIGER430)

Size(mm)	Size(inch)	Length (mm)	Length (inch)	Current Condition (DC+)	Voltage (V)	Tube packing 5 kg	Box packing 20 kg
1.60	1/ 16"	1000	36"	40-80	10-16	√	√
2.0	5/ 64"	1000	36"	50-100	12-18	√	√
2.4/ 2.5	3/ 32"	1000	36"	60-120	14-20	√	√
3.2	1/ 8"	1000	36"	100-150	16-24	√	√
4.0	5/ 32"	1000	36"	140-200	18-28	√	√

Raajratna offer a wide range of Stainless steel welding wires for MIG/TIG/SA welding.

Customer packing on request.