

## Welding wire for generic steels



- Welding wire of sg2 type with external copper universal application suitable for general steels, such as type FE45.52.
- Suitable for use in all sectors such as carpentry, locksmiths, car body, processing factories, construction sites, etc.
- Product dedicated to the construction generally, metal structures, boilers, tanks, pipes.
- Convolution of coil winding on spools of 16 kg, random coils of 5 kg. steel coils k300 16 kg, 5 kg plastic. shielding gases: CO2 or mixture (M21 - M33).
- REGULATIONS: AWS A5.18; ER70S-6; EN ISO 14341; A: G464MG3Si1

Code	Description	Diam. mm	Weight Kg.	Coil
4020000200	5	0.6	5,0	Plastica
4020000250	6	0.8	5,0	Plastica
4020016990	13656	0.8	16,0	Ferro
4020016995	13657	1,0	16,0	Ferro
4020017000	13658	1.2	16,0	Ferro

COMPOSIZIONE CHIMICA TIPICA %											
C	Si	Mn	S	P	Cu	Ni	Cr	Mo	Al	V	N
0,06	0,835	1,42	0,01	0,014	0,048	0,024	0,036	0,005	0,003	0,006	0,007

NORMATIVE
AWS A5.18
ER70S-6
EN ISO 14341
A:G464MG3Si1

**Caratteristiche meccaniche del riporto.**  
**Rm:** 565 Mpa  
**Rs:** 465 Mpa  
**A5d:** 29%  
**Kv (-30°C):** 85 Joule

## Welding wire of stainless steel AISI 304-308



- Recommended for machining of stainless steels in the construction of objects of all kinds, and for the construction of cryogenic plants that work at very low temperatures.
- Winding coil on coil in rolls of 15 kg steel k300.
- Gas protection to use: 100% argon or argon + 2% oxygen. 18-20 liters / minute.
- REGULATIONS: AWS A5.9 / A5.9M; ER308LSI; ISO 14343-A-19 9 LSI

Code	Description	Diam. mm	Weight Kg.	Coil
4020009100	308-0.8	0.8	15,0	Metallo
4020009110	308-1	1,0	15,0	Metallo
4020009120	308-1.2	1.2	15,0	Metallo

COMPOSIZIONE CHIMICA TIPICA %											
C	Mn	Si	S	P	Cr	Ni	Mo	Cu	Co	N	
0,013	1,90	0,78	0,009	0,017	19,76	10,71	0,09	0,09	0,003	0,005	

NORMATIVE
AWS A5.9/A5.9M
ER308LSI
ISO 14343-A-19 9 LSI

**Ferrite %: 7,30 FERRITE SECONDO DELONG. IL VALORE E' INDICATIVO**  
**Caratteristiche meccaniche del riporto.**  
**Rm:** 580 Mpa  
**Rs:** 450 Mpa  
**A5d:** 38%  
**Kv (20°C):** 100 Joule

## Welding wire of stainless steel AISI 316



- Recommended for machining stainless steels in construction carpentry, boats, appliances, metal work including chemical and oil, pipes.
- Winding coil on coil in rolls of 15 kg steel k300. shielding gas to be used: argon + 2.1% oxygen. 18-20 liters / minute.
- REGULATIONS: AWS A5.9 / A5.9M; ER316LSI; ISO 14343-A-19 12 3 LSI

Code	Description	Diam. mm	Weight Kg.	Coil
4020009200	316-0.8	0.8	15,0	Acciaio
4020009210	316-1	1,0	15,0	Acciaio
4020009220	316-1.2	1.2	15,0	Acciaio

COMPOSIZIONE CHIMICA TIPICA %																
C	Mn	Si	S	P	Cr	Ni	Mo	Cu	Co	N	Ti	Nb+Ta	B	V	Sn	
0,019	1,82	0,79	0,009	0,019	18,21	12,16	2,54	0,17	0,06	0,057	0,011	0,016	0,0009	0,07	0,004	

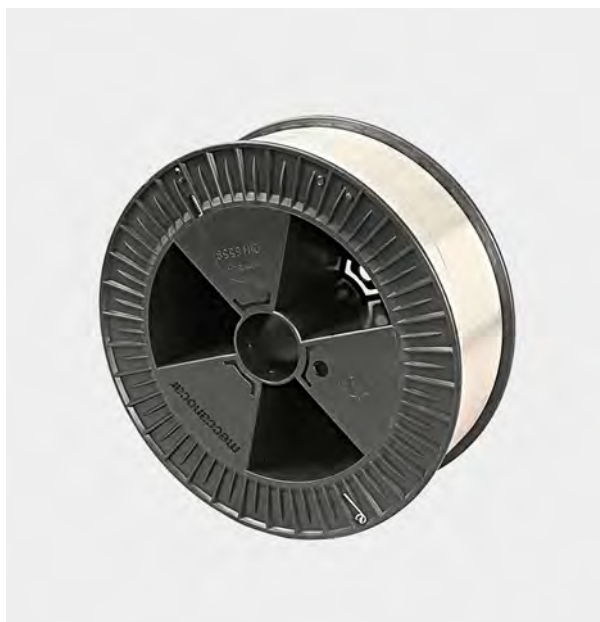
NORMATIVE
AWS A5.9/A5.9M
ER316LSI
ISO 14343-A-19 12 3 LSI

Ferrite %: 4,80 FERRITE SECONDO DELONG. IL VALORE E' INDICATIVO

Caratteristiche meccaniche del riporto.

Rm: 600 Mpa  
Rs: 400 Mpa  
A5d: 30%  
Kv (20°C): 47 Joule

## Aluminum welding wire AlMg5



- Aluminum magnesium alloy wire designed for welding of sheet metal and aluminum profiles 5050, 05052, 05083, 05154, 05356, 06061 and 6063
- Suitable for processes such structures truck, engine stands, alloy wheels, ship superstructures, structural steel and architectural structures.
- Good corrosion resistance, can be used on metals where it is not possible for the heat treatment after welding to increase mechanical resistance.
- Winding coil on coil in coils from 7 kg plastic.
- Gas protection to use: pure argon, argon-helium mixtures.
- Measures to be taken: use torches as short as possible, keep the cable stretched and without sharp bends, use Teflon line guide sheaths.
- REGULATIONS: AWS A5.10; ER5356; ISO ER SA5356; UNS A95356

Code	Desc.	D mm	Weight Kg.	Coil
4020009000	5356-0.8	0.8	7	Plastica
4020009010	5356-1	1	7	Plastica
4020009020	5356-1.2	1.2	7	Plastica

COMPOSIZIONE CHIMICA TIPICA %						
Al	S	Fe	Mn	Mg	Cr	Zn+Ti
bal	0,25	0,40	0,15	4,5-5,6	0,80	0,25

NORMATIVE
AWS A5.10
ER5356
ISO ER SA5356
UNS A95356

Caratteristiche meccaniche del riporto.

Rm: 230 Mpa  
Rs: 195 Mpa  
A5d: 12%

## Wire for welding galvanized sheet



- Special steel wire specific for the welding of galvanized sheets and galvanized.
- Ideal for welding of sheet metal parts and chassis in vehicle and in the transformation of the media, in the naval sector and carpentry in general.
- The composition of the yarn and the particular protective coating eliminate any problem of interference with the galvanizing surface, low spatter formation and limited "boiling" of the weld pool.
- Packs of 5 kg of small coils.
- REGULATIONS: AWS A5.18; ER 70S-2; ISO14341-A; G2Ti.

Code	Desc.	Ø filo mm	Weight Kg.
4020000280	10	0,6	5
4020000290	11	0,8	5

COMPOSIZIONE CHIMICA TIPICA %									
Fe	C	Si	Mn	Al	Ti	Cu	Zr	S	P
Base	0,06	0,6	1,2	0,1	0,1	0,2	0,08	0,01	0,015

NORMATIVE
AWS A5.18
ER70S-2
ISO14341-A
G2Ti

**Caratteristiche meccaniche del riporto.**  
**Rm:** 560 Mpa  
**Rs:** 460 Mpa  
**A5d:** 28%

## Wire solder copper-silicon for galvanized steel and steel with a high elastic limit (THLE)



- Special wire for welding of low-temperature galvanized sheet metal and steels with high and very high elastic limit, of the type used in modern bodies and chassis of vehicles.
- Suitable for all body shops and steel structures using steel THLE.
- Usable for any type of low temperature brazing to be carried out with special machines.
- The weld obtained is resistant to all types of corrosion, even without any type of protection applied.
- Is easily worked, the low melting temperature does not alter the characteristics of the base metal, it does not interfere with zinc plating.
- Packs of 5 kg, small coils.
- REGULATIONS: AWS A5.7; ER CuSi-A; EN14640; Scu6560 (CuSi3Mn1)

Code	Desc.	Ø filo mm	Weight Kg.
4020016900	13648	0,8	5
4020016910	13649	1,0	5

COMPOSIZIONE CHIMICA TIPICA %						
Cu	Si	Sn	Mn	Zn	Al	Pb
Base	3,0	0,8	1,0	/	/	/

NORMATIVE
AWS A5.7
ER CuSi-A
EN14640
Scu6560 (CuSi3Mn1)

**Caratteristiche meccaniche del riporto.**  
**Rm:** 350 Mpa  
**Rs:** 150 Mpa  
**A5d:** 42%

## Adapter for iron coils K300



- Adapter impact-resistant plastic for mounting of the coils in iron k300 on welding machines with pin diameter 50 mm.

Code	Description
4020002300	Adattatore per bobine

## Pressure reducing valves for technical gases: MIG / MAG / TIG



- Pressure reducers designed for combination with MIG / MAG / TIG and pulsed arc synergistic.
- Exceptional stability of supply.
- Equipped with a safety device.
- Available with flow meter Precision-argon / mixture and CO2.

Code	Desc.	Press. Ent. Bar	Press USC. Bar	Max Flow rate l/min.	Tipo di Gas
4020011500	12140	0 - 315	0 - 22	20	ARGON/MISCELA
4020011550	12100	0 - 315	0 - 22	20	CO2

## TIG torch 50 sq mm



- TIG torch complete with power cord from 50 sq mm.
- The use of this torch can weld "TIG smear" all metals, outside of aluminum and its alloys.
- Supplied as standard for the use of electrodes with a diameter of 2.4 mm.

Code	Desc.	Lunghezza cavo
4020014800	13300	4 m

## Come riconoscere il tipo di torcia delle saldatrici a filo

I NOSTRI RICAMBI PER TORCE DI SALDATRICI A FILO, SONO ADATTABILI SOLO AD UTENSILI COSTRUITI CON LO STANDARD "BINZEL", METODO DI COSTRUZIONE CHE RICOPRE ORMAI L'80-90% DELLA PRODUZIONE ATTUALMENTE IN COMMERCIO. E' BENE CONTROLLARE QUINDI CHE I PEZZI DI RICAMBIO SIANO UGUALI, SE NON MOLTO SIMILI, A QUELLI RAFFIGURATI NELLE NOSTRE FOTO.

I BECCUCCI GUIDA GAS AIUTANO - CON LE LORO DIMENSIONI - A RICONOSCERE LA GRANDEZZA E LA CORRENTE MASSIMA SOPPORTABILE DALLA TORCIA STESSA. IL CONTROLLO SI EFFETTUA MISURANDO CON UN CALIBRO IL DIAMETRO INTERNO DEL GUIDA GAS DAL LATO IN CUI ESSO VIENE INFILATO SULLA TORCIA, O COLLO DI CIGNO (Fig. 1).

LE TORCE DA 180 A MAX HANNO UN DIAMETRO INTERNO DI 12 mm

LE TORCE DA 250 A MAX HANNO UN DIAMETRO INTERNO DI 15 mm

LE TORCE DA 360 A MAX HANNO UN DIAMETRO INTERNO DI 20 mm OLTRE AD AVERE DEGLI INTAGLI SUL FONDO ED UNA FASCETTA IN ACCIAIO CHE STRINGE IL TUTTO (Vedere foto sul catalogo). GLI UGELLI GUIDAFILO (Fig. 2) SONO IDENTICI NELLE TORCE DA 250 E 360 A MAX. GLI UGELLI GUIDAFILO PER LE TORCE BZ 15 HANNO UNA FORMA LEGGERMENTE DIVERSA, E COMUNQUE POSSONO FUNZIONARE UGUALMENTE ANCHE CON ALTRI GUIDAFILO INSTALLATI. I DIFFUSORI GAS SONO INVECE TOTALMENTE DIVERSI PER OGNI TIPO DI TORCIA (Fig. 3) COME SI PUÒ' FACILMENTE VEDERE DALLE FOTO SUL CATALOGO. L'IMPORTANTE E' CHE SI SIA SICURI CHE TUTTE LE FILETTATURE DEGLI UGELLI SIANO M6 E NON M8 O DIVERSE ANCORA. L'ATTACCO DEL CAVO DELLA TORCIA E' DEL TIPO "EURO" E COME IL SISTEMA "BINZEL" E' COMPATIBILE CON L'80-90% DELLE SALDATRICI OGGI IN COMMERCIO.



## Torches Mig complete type Binzel



- Flashlights system Binzel, complete with cables and sheath of various lengths.
- Available for different welding powers.

TIPO TORCIA	CORRENTE MAX
BZ 15	180 A
BZ 25	250 A
BZ 36	360 A

Code	Desc.	Tipo torcia	Lunghezza cavo
4020010300	BZ15/3	BZ 15	3 m
4020010310	BZ15/4	BZ 15	4 m
4020010330	BZ25/3	BZ 25	3 m
4020010340	BZ25/4	BZ 25	4 m
4020010360	BZ36/3	BZ 36	3 m
4020010370	BZ36/4	BZ 36	4 m

## Spring for gas diffuser for torches 180 and 250A



- Spare parts for torches for welding wire tubes using system Binzel.
- Parts most subject to wear and replacement.

Code	Desc.	Ø molla	For torches
4020009300	15/M	12 mm	180 A
4020010000	25/M	15 mm	250 A

## Diffuser gas torches 180 A



- Spare parts for torches for welding wire tubes using system Binzel.
- Parts most subject to wear and replacement.

Code	Desc.
4020009310	15/D

## Diffuser gas torches 250 A



- Spare parts for torches for welding wire tubes using system Binzel.
- Parts most subject to wear and replacement.

Code	Desc.
4020010010	25/D

## Support tip M6 brass torches 360A



- Spare parts for torches for welding wire tubes using system Binzel.
- Parts most subject to wear and replacement.

Code	Desc.
4020010100	36/S

## Speaker insulating gas torches to 360A



- Spare parts for torches for welding wire tubes using system Binzel.
- Parts most subject to wear and replacement.

Code	Desc.
4020010110	36/D

## Contact tip M6 torches 180A



- Spare parts for torches for welding wire tubes using system Binzel.
- Parts most subject to wear and replacement.

Code	Desc.	Ø filo mm
4020009320	15/0.6	0.6
4020009330	15/0.8	0.8

## Contact tip M6 for torches 250 and 360A



- Spare parts for torches for welding wire tubes using system Binzel.
- Parts most subject to wear and replacement.

Code	Desc.	Ø filo mm
4020010020	25/0.8	0.8
4020010030	25/1	1
4020010130	36/1.2	1.2
4020010140	36/1.6	1.6

## Ugello guidafile M8 per torce da 250 e 360 A



- Spare parts for torches for welding wire tubes using system Binzel.
- Parts most subject to wear and replacement.

Code	Desc.	Ø filo mm
4020010195	M8-1.0	1,0
4020010200	M8-1.2	1,2
4020010205	M8-1.6	1,6

## Guidagas nozzle for torches 180 and 250A



- Spare parts for torches for welding wire tubes using system Binzel.
- Parts most subject to wear and replacement.

Code	Desc.	Diameter D int.	Ø d mm	For torches
4020009360	15/16	12 mm	16	180 A
4020009370	15/12	12 mm	12	180 A
4020010060	25/16	15 mm	16	250 A
4020010070	25/12	15 mm	12	250 A

## Guidagas nozzle for torches 360A



- Spare parts for torches for welding wire tubes using system Binzel.
- Parts most subject to wear and replacement.

Code	Desc.	Type
4020010170	36/19	UGELLO GUIDAGAS CILINDRICO Ø 19
4020010180	36/16	UGELLO GUIDAGAS CONICO Ø 16

## Replacement covers for torches MIG “Binzel”



- Wire hose isolated teflon type Binzel torches for welding wire.
- Ideal for welding wire of aluminum.
- Available in various lengths.
- Head stops sheath provided separately.

Code	Desc.	Length m	Ø filo
4020010460	3 - 0.6/0.8	3	0.6/0.8
4020010470	4 - 0.6/0.8	4	0.6/0.8
4020010480	5 - 0.6/0.8	5	0.6/0.8
4020010490	3 - 1/1.2	3	1/1.2
4020010500	4 - 1/1.2	4	1/1.2
4020010510	5 - 1/1.2	5	1/1.2
4020010520	3 - 1.2/1.6	3	1.2/1.6
4020010530	4 - 1.2/1.6	4	1.2/1.6
4020010540	5 - 1.2/1.6	5	1.2/1.6

## Teflon sheaths parts for MIG torches "Binzel"



- Wire hose isolated teflon type Binzel torches for welding wire.
- Ideal for welding wire of aluminum.
- Available in various lengths.
- Head stops sheath provided separately.

Code	Description	Length <i>m</i>	Ø int. x Ø est
4020010550	3T - 4	3	4x1.5
4020010560	4T - 4	4	4x1.5
4020010570	5T - 4	5	4x1.5
4020010580	6 - TE TESTINA PER GUAINA IN TEFLON Ø4	-	-