

WS MICROWELDING

- HIGH SPEED SPOT WELDING -



CONSUMABLES

ELECTRODES – POWDERS & PASTES - RIBBONS

2017 CATALOG

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ELECTRODES

SILVER WELDING ELECTRODES

Massive electrodes in alloy of industrial silver in 50 % and tungsten in 50 %. In the form of cylindrical bars gone up or not in a cap brass, depending of the diameters. They are used for welding wires, ribbons and powders. Can be machined and formed. They are intended for the small welding torch $\varnothing 16 \text{ mm}^2$ with electrode holder $\varnothing 5 \text{ mm}$ and welding torches $\varnothing 35 \text{ mm}^2$ maximum. Only references EL-AG-230 & EL-AG-250 are used with the electrode holder $\varnothing 2 \text{ mm}$.

SIZE (mm)	REFERENCE
$\varnothing 2 \times 30$	EL-AG-230
$\varnothing 2 \times 50$	EL-AG-250
$\varnothing 2.5 \times 30$	EL-AG-2530
$\varnothing 2.5 \times 50$	EL-AG-2550
$\varnothing 3 \times 30$	EL-AG-330
$\varnothing 3 \times 50$	EL-AG-350
$\varnothing 5 \times 28$	EL-AG-528
$\varnothing 5 \times 50$ (base $\varnothing 8$)	EL-AG-550
$\varnothing 5 \times 60$	EL-AG-560

COOPER WELDING ELECTRODE

Massive cylindrical electrode in Cu Cr, for welding wires and ribbons application. El-Cu-560 design for welding torches $\varnothing 35 \text{ mm}^2$ and El-Cu-860 design for welding torches $\varnothing 70 \text{ mm}^2$. Can be machined and formed.

SIZE (mm)	REFERENCE
$\varnothing 5 \times 60$ (base $\varnothing 8$)	EL-CU-8560
$\varnothing 8 \times 60$	EL-CU-860

MAGNETIC ELECTRODES

Machined cylindrical electrodes, in Cu Cr, exclusively intended for the welding of the powder. Cannot be machined and formed. References 2535 and 540 can be only used with 35° welding torch. Reference 860 is exclusively intended for welding torches $\varnothing 70 \text{ mm}^2$.

SIZE (mm)	REFERENCE
$\varnothing 3 \times 30$	EL-CU -MG-330
$\varnothing 5 \times 40$	EL-CU -MG-540
$\varnothing 8 \times 60$	EL-CU -MG-860

POWDERS & PASTES

P20 POWDER AND PASTE

Suitable for material : 1.2162 / 1.2311 / 1.2312 / 1.2710 / 1.2738

Hardness after welding: 34 HRC

TYPE	WEIGHT	REFERENCE
Powder	40 g	POP20
Paste	40 g	PAP20

835 POWDER AND PASTE

Suitable for material : 1.2721 / 1.2766 / 1.2767 / 1.2798 / 1.6747

Hardness after welding: 45 HRC

TYPE	WEIGHT	REFERENCE
Powder	40 G	PO835
Paste	40 G	PA835

H13 POWDER AND PASTE

Suitable for material : 1.2343 / 1.2344 / 1.2362 / 1.2363 / 1.2365 / 1.2367

Hardness after welding: 50 - 52 HRC

TYPE	WEIGHT	REFERENCE
Powder	40 G	POH13
Paste	40 G	PAH13

420 POWDER AND PASTE

Suitable for material : 1.2083 / 1.2316 / 1.4115 / 1.4120

Hardness after welding: 54 HRC

TYPE	WEIGHT	REFERENCE
Powder	40 G	PO420
Paste	40 G	PA420

316L PASTE

Suitable for material : 1.2312 / 1.2738
 Hardness after welding: 30 HRC

TYPE	WEIGHT	REFERENCE
Paste	40 G	PA316L

HB300 POWDER AND PASTE

Suitable for material : 0.6020 / 0.7040 / 0.7050 / 0.7060 / 1.1191 / 1.0501 / 1.2311
 Hardness after welding: 28 - 30 HRC

TYPE	WEIGHT	REFERENCE
Powder	40 G	POHB
Paste	40 G	PAHB

ASP23 POWDER AND PASTE

Suitable for material : ASP23 / 1.3343
 Hardness after welding: 72 HRC

TYPE	WEIGHT	REFERENCE
Powder	40 G	POASP
Paste	40 G	PAASP

RIBBONS

P20 RIBBON

Suitable for material : 1.2311 / 1.2312 / 1.2710 / 1.2162 / 1.2738
Hardness after welding : 34 HRC

SIZE	1 METER	5 METERS ROLL	10 METERS ROLL
W x D (mm)	REFERENCE	REFERENCE	REFERENCE
2.4 x 0.20	RP20-202-01	RP20-202-05	RP20-202-10
2.5 x 0.16	RP20-216-01	RP20-216-05	RP20-216-10
3.1 x 0.10	RP20-201-01	RP20-201-05	RP20-201-10

835 RIBBON

Suitable for material : 1.6747 / 1.2766 / 1.2767 / 1.2721 / 1.2798
Hardness after welding : 45 HRC

SIZE	1 METER	5 METERS ROLL	10 METERS ROLL
W x D (mm)	REFERENCE	REFERENCE	REFERENCE
1.2 x 0.16	R835-216-01	R835-216-05	R835-216-10

H13 RIBBON

Suitable for material : 1.6747 / 1.2766 / 1.2767 / 1.2721 / 1.2798
Hardness after welding : 45 HRC

SIZE	1 METER	5 METERS ROLL	10 METERS ROLL
W x D (mm)	REFERENCE	REFERENCE	REFERENCE
2.4 x 0.16	RH13-216-01	RH13-216-05	RH13-216-10
2.5 x 0.20	RH13-202-01	RH13-202-05	RH13-202-10
3.1 x 0.10	RH13-201-01	RH13-201-05	RH13-201-10

420 RIBBON

Suitable for material : 1.2083 / 1.2316 / 1.4115 / 1.4120
 Hardness after welding : 54 HRC

SIZE	1 METER	5 METERS ROLL	10 METERS ROLL
W x D (mm)	REFERENCE	REFERENCE	REFERENCE
2.4 x 0.16	R420-216-01	R420-216-05	R420-216-10
2.5 x 0.20	R420-202-01	R420-202-05	R420-202-10
3.1 x 0.10	R420-201-01	R420-201-05	R420-201-10

316L RIBBON

Suitable for material : 1.234 / 1.2312 / 1.2738
 Hardness after welding : 30 HRC

SIZE	1 METER	5 METERS ROLL	10 METERS ROLL
W x D (mm)	REFERENCE	REFERENCE	REFERENCE
5 x 0.20	R316L-502C-01	R316L-502C-05	R316L-502C-10

10 STRIPS OF 10 CM

SIZE (W x D) mm	REFERENCE
5 x 0.10	R316L-501
20 x 0.10	R316L-2001
5 x 0.15	R316L-515
20 x 0.15	R316L-2015
5 x 0.20	R316L-502
20 x 0.20	R316L-2002
5 x 0.25	R316L-5025
20 x 0.25	R316L-2025
5 x 0.30	R316L-5030
20 x 0.30	R316L-2030
20 x 0.40	R316L-2040

A2 RIBBON

Suitable for material : 1.2080 / 1.2363 / 1.2379 / 1.2436 / 1.2601
 Hardness after welding : 62 HRC

SIZE	1 METER	5 METERS ROLL	10 METERS ROLL
W x D (mm)	REFERENCE	REFERENCE	REFERENCE
1.8 x 0.20	RA2-202-01	RA2-202-05	RA2-202-10

N6000 RIBBON

Suitable for material : 1.234 / 1.2312 / 1.2738
 Hardness after welding : 30 HRC

SIZE	1 METER	5 METERS ROLL	10 METERS ROLL
W x D (mm)	REFERENCE	REFERENCE	REFERENCE
1.9 x 0.2	RN60-202-01	RN60-202-05	RN60-202-10

10 STRIPS OF 10 CM

SIZE (W x D) mm	REFERENCE
5 x 0.15	RN60-515
20 x 0.15	RN60-2015
5 x 0.20	RN60-502
20 x 0.20	RN60-2002

INFORMATION

Non contractual document. Due to continuing improvements in the design and manufacturing of equipment, specifications and technical data are subject to change without incurring any obligation on goods purchased. Document provided for information and valid from 1 January until 31 December 2017. Prices upon request: sales@sstmicrowelding.com.



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