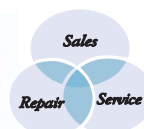


PLASONIC

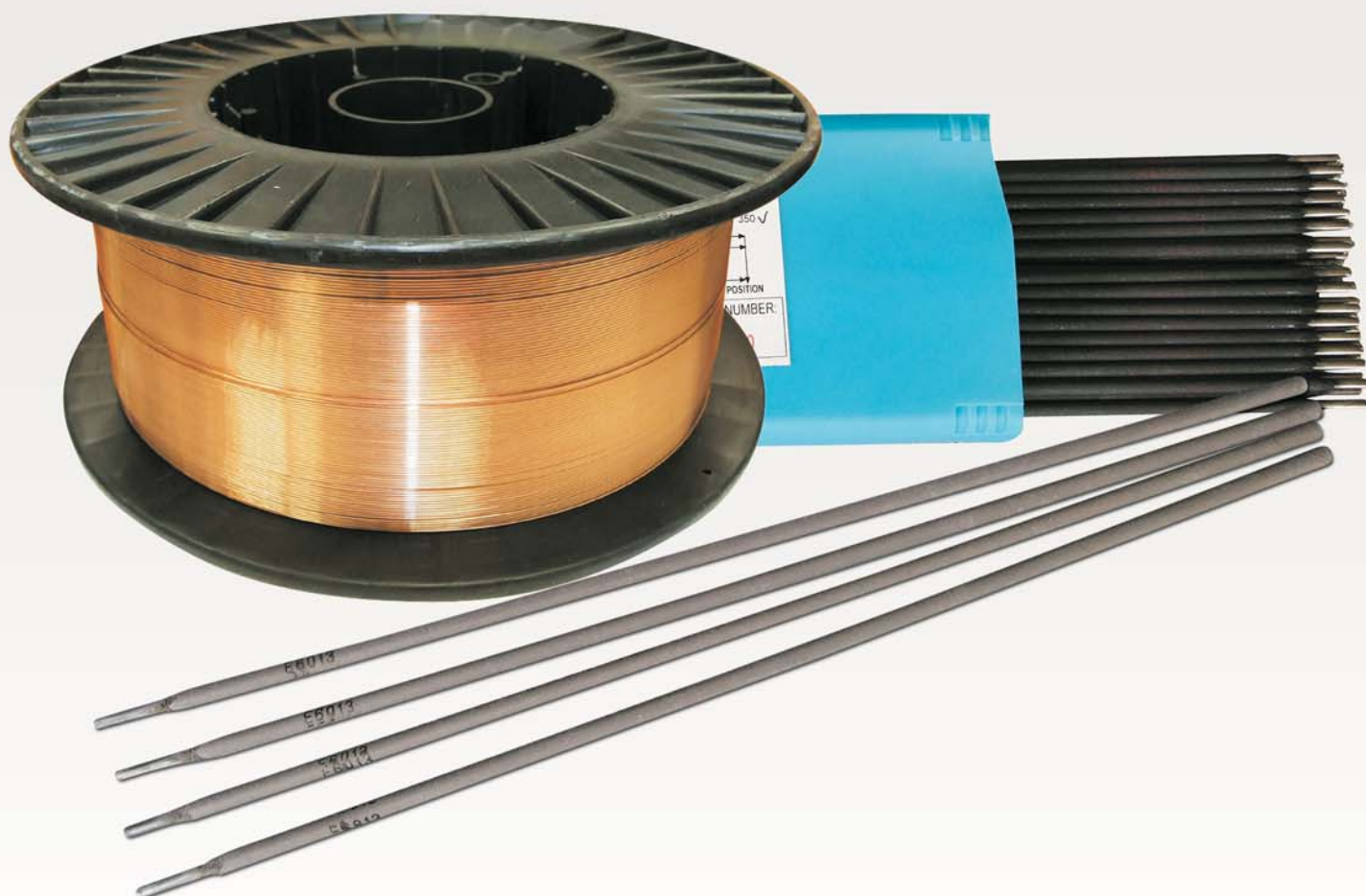


WELDING & INDUSTRIAL SUPPLIES CC.

Manufacturers of Plasonic: Mig, Plasma Cutters, Inverter & Transformer Welding Machines

Suppliers and Repairers of All types of Welding Machines, Generators/Compressors
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PRE-PACKED ELECTRODES & WIRE



HEAD OFFICE

P.O BOX 3156
KEMPTON PARK 1620
TEL: (011) 393 -3921/2

BRANCH

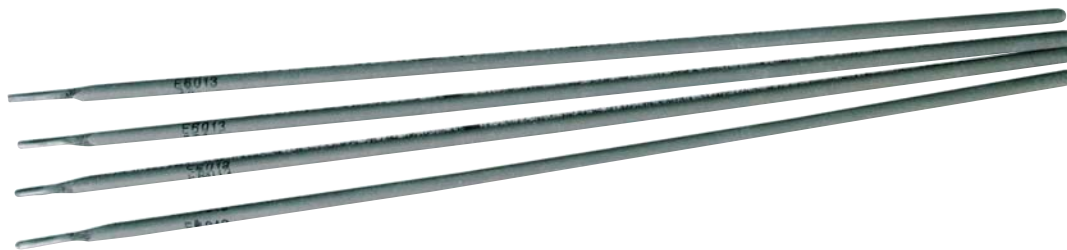
11 SUZUKA ROAD
WESTMEAD, PINETOWN
TEL: (031) 822 - 3921
FAX: (011) 393 - 2870

Clifford Gous 082 925 5744

EMAIL: plasonic@worldonline.co.za

EMAIL: plasonicdbn@worldonline.co.za

PLASONIC ELECTRODE 6013



TRADEWELD E6013 GENERAL PURPOSE				
Weight:	EW00701	EW00702	EW00703	
ØDia mm:	2.50	3.15	4.00	
Length mm:	350	350	350	
Contents:				

TRADEWELD E6013 GENERAL PURPOSE

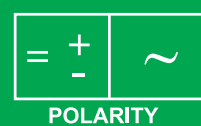
A rutile, general purpose, all-positional electrode with excellent fabrication weldability. Suitable for welding light to medium structures where a neat and clean bead appearance is requested.

AWS A5.1.E6013

This product contains (%):

C	Mn	Si	S	P
≤0.12	0.30-0.60	≤0.35	≤0.035	≤0.040

Product Code:	Size mm:	Welding current (A)
EW00701	2.50	60 - 95
EW00702	3.15	80 - 120
EW00703	4.00	100 - 150



025-PACELE001 / 004-EW00700

ELECTRODES 6013 - 2.0mm

Contains:
12 Pieces

025-PACELE002 / 004-EW00701

ELECTRODES 6013 - 2.5mm

Contains:
10 Pieces
BARCODE: 6003751361110

025-PACELE003 / 004-EW00702

ELECTRODES 6013 - 3.2mm

Contains:
8 Pieces

BARCODE: 6003751361127

025-PACELE004 / 004-EW00703

ELECTRODES 6013 - 4.0mm

Contains:
6 Pieces

BARCODE: 6003751361882

PLASONIC ELECTRODE 7018



TRADEWELD E7018 -1 LOW HYDROGEN CONTROLLED				
Weight:	5kg	5kg	5kg	5kg
øDia mm:	2.50	3.15	4.00	4.00
Length mm:	350	350	350	350
Contents:	EW00705	EW00706	EW00707	EW00707

TRADEWELD E7018-1 LOW HYDROGEN CONTROLLED

This hydrogen controlled, covered electrode has very good welding characteristics in out of position work. Cold toughness at sub-zero temperatures as low as -30°C. Stable arc also at low amperage, easy puddle control & wetting as well as good slag release and flat bead appearance. Excellent x-ray soundness. All positional except vertical down.

AWS A5.1.E7018-1

This product contains (%):

C	Mn	Si	S	P
0.12	1.60	0.75	0.035	0.040

Product Code:	Size mm:	Welding current (A)
EW00705	2.50	80 - 110
EW00706	3.15	110 - 145
EW00707	4.00	140 - 200



POLARITY



WELDING POSITION

025-PACELE010 / 004-EW00705

ELECTRODES 7018-1 (2.5mm)

Contains:

8 Pieces

BARCODE: 6003751361899

025-PACELE011 / 004-EW00706

ELECTRODES 7018-1 (3.2mm)

Contains:

6 Pieces

BARCODE: 6003751361905

025-PACELE012 / 004-EW00707

ELECTRODES 7018-1 (4.0mm)

Contains:

4 Pieces

BARCODE: 6003751361912

PLASONIC ELECTRODE 7024



Weight:	5kg
øDia mm:	3.15
Length mm:	450

**TRADEWELD E7024 -1
IRON POWDER**

TRADEWELD E7024-1 IRON POWDER

Rutile covered high performance electrode with 160% weld metal recovery. Little spatter, finely rippled weld pattern, good striking & re-striking ability as well as self-releasing slag well suited for thin fillet welds.

AWS A5.1.E7024-1

This product contains (%):

C	Mn	Si	S	P
0.09	0.65	0.35	-	-

Product Code:	Size mm:	Welding current (A)
EW00708	3.15	140 - 180



POLARITY



025-PACELE020

ELECTRODES 7024 (2.5mm)

Contains:
8 Pieces

025-PACELE021

ELECTRODES 7024 (3.2mm)

Contains:
6 Pieces

025-PACELE022 / 004-EW00709

ELECTRODES 7024 (4.0mm)

Contains:
4 Pieces

BARCODE: 6003751361936

PLASONIC *ELECTRODE* 308L-16



TRADEWELD E308L-16 STAINLESS STEEL

Rutile basic all-position stainless steel electrode for 19CR 10Ni type steels as well as 201, 202, 301, 302, 304L & 308 excellent corrosion resistance in oxidising environments such as nitric acid , smooth bead appearance & easy slag release as well as corrosion resisting than CHM-308, CHG308.

AWS A5.4.E308L-16

This product contains (%):

C	Mn	Si	S	P	CR	Ni
0.04	0.5-2.5	1.00	0.03	0.04	18.0-21.0	9.0-11.0

Product
Code:

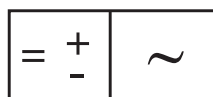
EW00753
EW00750

Size
mm:

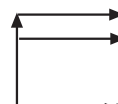
2.50
3.15

Welding
current (A)

40 - 70
75 - 110



POLARITY



WELDING POSITION

025-PACELE025

ELECTRODES 308L-16 (2.5mm)

Contains:
8 Pieces

025-PACELE026

ELECTRODES 308L-16 (3.2mm)

Contains:
6 Pieces

PLASONIC ELECTRODE 309L-16



TRADEWELD E309L-16 STAINLESS STEEL

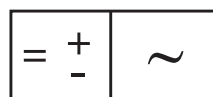
A rutile basic high CrNi alloyed buffer electrode for welding stainless steel to mild steel as well as root passes in clad steel. Excellent weldability and slag release. Weldable on AC & DC and with high resistance to embrittlement & buffer layer for hardfacing applications.

AWS A5.4.E309L-16

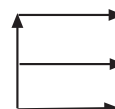
This product contains (%):

C	Mn	Si	S	P	CR	Ni
0.04	0.5-2.5	1.00	0.03	0.04	22.0-25.0	12.0-14.0

Product Code:	Size mm:	Welding current (A)
EW00751	2.50	40 - 80
EW00752	3.15	60 - 120



POLARITY



WELDING POSITION

025-PACELE030

ELECTRODES 309L-16 (2.5mm)

Contains:
8 Pieces

025-PACELE031

ELECTRODES 309L-16 (3.2mm)

Contains:
6 Pieces

PLASONIC ELECTRODE 312L-16



TRADEWELD E312-16 29/9 WELDING ELECTRODES

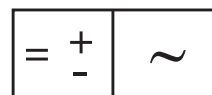
A rutile coated stainless electrode. Easy to weld in all positions (except vertical down). The highly alloyed electrode is extremely resistant to hot cracking even when diluted with carbon, austenitic & high alloyed steels. Weld deposits gives excellent resistance to corrosion & oxidation & good scaling resistance up to 1000°C (1850°F). Tradeweld E312-16 is recommended for the repair & maintenance of all steels, particularly those of unknown compositions, joining dissimilar steels such as stainless steel to carbon steels & repairing Die's & Tool steels. Use a buffer layer prior to hard surfacing.

AWS A5.4.E312-16 29/9

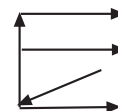
This product contains (%):

C	Mn	Si	S	P	CR	Ni
0.04	0.5-2.5	1.00	0.03	0.04	29.0	9.0

Product Code:	Size mm:	Welding current (A)
025-PACELE035	2.50	40 - 80
025-PACELE036	3.20	75 - 110
025-PACELE037	4.00	110 - 150



POLARITY



WELDING POSITION

025-PACELE035 / 004-EW00726

ELECTRODES 312L-16 (2.5mm)

Contains:

8 Pieces

BARCODE: 6003751362100

025-PACELE036 / 004-EW00727

ELECTRODES 312L-16 (3.2mm)

Contains:

6 Pieces

BARCODE: 6003751362117

025-PACELE037

ELECTRODES 312L-16 (4.0mm)

Contains:

4 Pieces

PLASONIC

ELECTRODE 316L - 16



TRADEWELD E316L-16 STAINLESS STEEL

A rutile all-positional stainless steel electrode for 316L and equivalent steels as well as joining of matching and similar austenitic CrNi(N) and CRNiMo(N) Steels/Cast steel grades. Well suited for vertical down welding, easy slag release and weldable on AC & DC.

AWS A5.4.E316L-16

This product contains (%):

C	Mn	Si	S	P	CR	Ni	Mo
0.04	0.5-2.5	1.00	0.03	0.04	17.0-20.0	11.0-14.0	2.0-3.0

Product
Code:

Size
mm:

Welding
current (A)

025-PACELE040

2.00

35 - 55

025-PACELE041

2.50

40 - 70

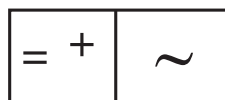
025-PACELE042

3.20

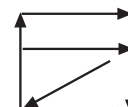
75 - 110

025-PACELE043

4.00



POLARITY



WELDING POSITION

025-PACELE040 / EW00723

ELECTRODES 316L-16 (2.0mm)

Contains:

10 Pieces

BARCODE:

025-PACELE041 / 004-EW00724

ELECTRODES 316L-16 (2.5mm)

Contains:

8 Pieces

BARCODE: 6003751362087

025-PACELE042 / 004-EW00725

ELECTRODES 316L-16 (3.2mm)

Contains:

6 Pieces

BARCODE: 6003751362094

025-PACELE043

ELECTRODES 316L-16 (4.0mm)

Contains:

4 Pieces

PLASONIC ELECTRODE HF55



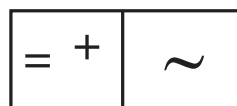
TRADEWELD HRC55 PRO HARD FACING

A rutile coated electrode for the hard surfacing of steel components. The chrome carbide weld deposit can withstand impact at medium loads under abrasive conditions. The weld metal has a hardness of approximately 55HRC, gives excellent resistance to rust, mill scale, dirt and oil on the surface being hardened.

This product contains (%):

C	Mn	Si	S	P	CR	Ni	Mo
0.04	0.5-2.5	3.00	0.03	0.04	25.0	11.0-14.0	2.0-3.0

Product Code:	Size mm:	Welding current (A)
025-PACELE045	3.20	110 - 130
025-PACELE046	4.00	140 - 160



POLARITY



WELDING POSITION

025-PACELE045

ELECTRODES HF55 (3.2mm)

Contains:

6 Pieces

BARCODE: 6003751362001

025-PACELE046

ELECTRODES HF55 (4.0mm)

Contains:

4 Pieces

BARCODE: 6003751362018

PLASONIC ELECTRODE HF60



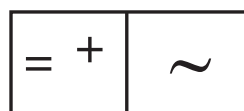
TRADEWELD HRC60 PRO HARD FACING

A rutile coated electrode for the hard surfacing of steel, cast steel and manganese steel components and equipment subjected to wear caused by sand, gravel, ore, coal cement etc. The high chrome carbide weld deposit has excellent hardness of 60 HRC, can withstand severe abrasion and moderate impact.

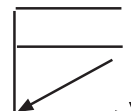
This product contains (%):

C	Mn	Si	S	P	CR	Ni	Mo
1.1	0.1	1.00	0.03	0.04	17.0-20.0	11.0-14.0	2.0-3.0

Product Code:	Size mm:	Welding current (A)
025-PACELE050	3.20	110 - 130
025-PACELE051	4.00	140 - 160



POLARITY



WELDING POSITION

025-PACELE050

ELECTRODES HF60 (3.2mm)

Contains:

6 Pieces

BARCODE: 6003751362025

025-PACELE051

ELECTRODES HF60 (4.0mm)

Contains:

4 Pieces

BARCODE: 6003751362032

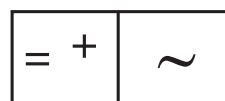
PLASONIC ELECTRODE GOUGING



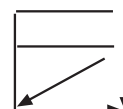
TRADEWELD PRO GOUGE GOUGING ELECTRODE

An extruded electrode designed especially for gouging, cutting & grooving of a wide variety of metals such as mild steel, stainless steel, copper, aluminium, brass, bronze, cast iron & other steels. The surface of the cut left by the electrode is clean, essentially scale free & requires very little clean up. Grinding with stainless steel discs is recommended when gouging stainless steel. When gouging cracks or defects, hold electrode at an angle of 10° - 20° to the work piece and move in the direction of the required groove using a flicking "brush stroke" movement.

Product Code:	Size mm:	Welding current (A)
025-PACELE055	2.50	220 - 300
025-PACELE056	3.20	270 - 360
025-PACELE057	4.00	320 - 420



POLARITY



WELDING POSITION

025-PACELE055

ELECTRODES Gouge (2.5mm)

Contains:
8 Pieces

025-PACELE056

ELECTRODES Gouging (3.2mm)

Contains:
6 Pieces

BARCODE: 6003751362056

025-PACELE057

ELECTRODES Gouge (4.0mm)

Contains:
4 Pieces

BARCODE: 6003751362063

PLASONIC ELECTRODE CAST IRON 55%



TRADEWELD ENi-Fe-CL-60 NICKEL CAST 60

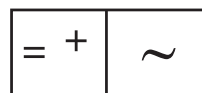
A basic, graphite coated nickel/iron electrode for high strength repair and maintenance welding of spherical graphite (S.G.) iron, austenitic cast iron, meehanite & a wide range of cast iron. It produces a soft stable arc with minimal penetration & spatter and is very tolerant to parent metal contaminants such as oil & dirt. The ductile nickel/iron weld deposit is readily machinable & has the higher strength required for welding S.G. irons. Where higher joint strength is important,, it may be used for root & fill passes followed by capping passes with Tradecast 100 for smoother surface finish.

AWS A5.15ENifi-CL

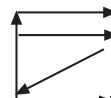
This product contains (%):

C	Mn	Si	S	Al	Ni
2.00	2.50	4.0	0.03	1.0	60.0

Product Code:	Size mm:	Weight kg:	Welding current (A)	Length mm:
025-PACELE060	2.50	1kg	40 - 90	350
025-PACELE061	3.15	1kg	80 - 160	350
025-PACELE062	4.00	1kg		



POLARITY



WELDING POSITION

025-PACELE060

ELECTRODES C.I. 55% (2.5mm)

Contains:

6 Pieces

BARCODE: 6003751362360

025-PACELE061

ELECTRODES C.I. 55% (3.2mm)

Contains:

4 Pieces

BARCODE: 6003751362377

025-PACELE062

ELECTRODES C.I. 55% (4.0mm)

Contains:

2 Pieces

BARCODE:

PLASONIC

ELECTRODE CAST IRON 99%



TRADEWELD ENI-CI-99 NICKEL CAST 99

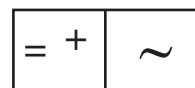
A basic, graphite coated electrode for the repair and maintenance of a wide range of cast iron components. It produces a soft stable arc with minimal penetration and splatter. It is very tolerant to parent metal contaminants such as oil and dirt. The ductile nickel based weld deposit is readily machinable with good colour match to most cast irons. Applications include the repair and reclamation of engine blocks, cylinder heads, differential housings, gear boxes, pump and machine housings, and pulleys etc. In some applications it has a good "wetting" action due to high nickel weld deposit.

This product contains (%):

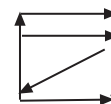
C	Mn	Si	S	Ni
2.00	1.0	2.50	0.03	Bal

AWS A5.15ENI-CI

Product Code:	Size mm:	Weight kg:	Welding current (A)	Length mm:
025-PACELE065	2.50	1kg	50 - 80	350
025-PACELE066	3.15	1kg	60 - 110	350
025-PACELE067				



POLARITY



WELDING POSITION

025-PACELE065

ELECTRODES C.I. 99% (2.5mm)

Contains:

6 Pieces

BARCODE: 6003751362384

025-PACELE066

ELECTRODES C.I. 99% (3.2mm)

Contains:

4 Pieces

BARCODE: 6003751362391

025-PACELE067

ELECTRODES C.I. 99% (4.0mm)

Contains:

2 Pieces

BARCODE:

PLASONIC

WIRE ER71 - T1



002-EWSW00008

ER71-T1 (1.2mm)

15kg Spool

002-EWSW00009

ER71-T1 (1.6mm)

15kg Spool

PLASONIC

WIRE GTI ER 100S



002-EWSW00007

GTI ER 100S 1.2mm

20kg Spool

PLASONIC

WIRE GASLESS FLUX CORED



033-EWSW00005

Flux Cored Gasless (0.9mm)
1kg Spool

BARCODE: 6003398053980

033-EWSW00006

Flux Cored Gasless (0.9mm)
5kg Spool

BARCODE: 6003398053959

033-EWSW00007

Flux Cored Gasless (0.9mm)
2kg Spool

BARCODE: 6003398053942

PLASONIC

WIRE ER 70S - 6



002-EWSW00001

ER 70S-6 (0.8mm)

15kg Spool

BARCODE: 6003751359308

002-EWSW00006

ER 70S-6 (0.8mm)

5kg Spool

BARCODE: 6003398053973

002-EWSW00002

ER 70S-6 (0.9mm)

15kg Spool

BARCODE: 6003751359315

002-EWSW0016

ER 70S-6 (0.8mm)

2kg Spool

BARCODE: 6003398053966

002-EWSW00003

ER 70S-6 (1.0mm)

15kg Spool

BARCODE: 6003751344786

002-EWSW00003B

ER 70S-6 (1.0mm)

5kg Spool

BARCODE: 6003398054178

002-EWSW00004

ER 70S-6 (1.2mm)

15kg Spool

BARCODE: 6003751340481

002-EWSW00003A

ER 70S-6 (1.0mm)

2kg Spool

BARCODE:

PLASONIC

WIRE

Stainless Steel Tig Rods

035-EWSW00030

ER 308 (1.6mm)

Sold per kg

035-EWSW00025

ER 316 (1.6mm)

Sold per kg

035-EWSW00031

ER 308 (2.4mm)

Sold per kg

035-EWSW00026

ER 316 (2.4mm)

Sold per kg

035-EWSW00032

ER 308 (3.2mm)

Sold per kg

035-EWSW00027

ER 316 (3.2mm)

Sold per kg