

HILCO FACT SHEET: WELDING CONSUMABLES- ELECTRODES

DISTRIBUTED BY TAKORADI GAS LTD ,P.O.BOX 1050 TAKORADI

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ITEM No	Product	Common Name	Gauge size	Current/voltage A	Pack Type	PACK SIZE Kg	PACKET SIZE Kg	NO OF PKS IN CRT	Product Application
1	Hilco Basic 2.5 x 350mm	7018 low hydrogen	G 12	60-100A	Paper Pkt	2.5x350mm x 4	4.20	4.00	General fabrication&Construction, Repair and maintenance Low Hydrogen electrode for all welding positions except vertical down.
2	Hilco Basic 3.2 x 350mm	7018 low hydrogen	G 10	90-140A	Paper Pkt	3.2X 350mm x 4	4.30	4.00	Same as above
3	Hilco Basic 4 x 450mm	7018 low hydrogen	G 8	150-190A	Paper Pkt	4 x 450mm x 4	5.80	4.00	Same as above except that its sticks has a length of 450mm
4	Hilco Red Extra 2.5 x 350mm	6013 mild steel	G 12	60-100A	Paper Pkt	2.5x350mm x 4	5.00	4.00	Ship building &offshore,General fabrication &construction Power generation Repair and Maintenance also known as mild steel electrode rutile type the higher grade.G12 =2.5mm
5	Hilco Red Extra 3.2 x 350mm	6013 mild steel	G 10	90-140A	Paper Pkt	3.2X 350mm x 4	5.00	4.00	Same as above,used by companies with enough power and for new constructions G10=3.2mm
6	Hilco Red Extra 4.0 x 350mm	6013 mild steel	G 8	150-190A	Paper Pkt	4 x 350mm x 4	5.00	4.00	Same as above, Normally used by companies with huge power supplies.G8=4.0mm
7	Hilco Red 3.2 x 350mm	6013 mild steel	G 10	90-140A	Paper Pkt	3.2X 350mm x 4	5.00	4.00	Repair and maintenance,General fabrication&construction a lower grade of E-6013
8	Hilco Red 4.0 x 350mm	6013 mild steel	G 8	150-190A	Paper Pkt	4 x 350mm x 4	5.00	4.00	Same as above
9	Hilco Pipeweld 7010 3.2 x 350mm		G 10	90-140A	Tin Cans	3.2X 350mm x 3	5.10	3.00	Oil and Gas Industries,normally used as a filler electrode after the use of E-6010 for the root pass of pipes.
10	Hilco Pipeweld 7010 4.0 x 350mm		G 8	150-190A	Tin Cans	4 x 350mm x 3	5.10	3.00	Same as above
11	Hilco K60 0.8mm	Mag Wire		80-180A 17-20V	plastic spool/alu vac foil 15kg	0.8mmx 15kg x1	15.00	1.00	General Fabrication & Construction, Repair and maintenance Transport & Lifting Industry for all welding position Mig Wires
12	Hilco K60 1.0 mm	Mag Wire		120-240A 17-22V	plastic spool/alu vac foil 15kg	1.0mmx 15kg x1	15.00	1.00	Same as above
13	Hilco K60 1.2 mm	Mag Wire		160-260A 18-26V	plastic spool/alu vac foil 15kg	1.2mm x15kg x1	15.00	1.00	Same as above.
14	Hardmelt 600	Hard Facing	G10	100-140A 65v	Paper Pkt	3.2x 350mm	4.50	3.00	Particularly suitable under conditions of heavy abrasion and friction, combined with impact. Ideally suitable for application involving rolling, sliding and metal to metal wear.
15	Hardmelt 600	Hard Facing	G8	140-180A 65-75v	Paper Pkt	3.2x 450mm	5.90	3.00	Same as above.
16	hilchrome 308L-17	Stainless steel	G10	80-120A	Plastic pkt	3.2x 350mm	4.10	3.00	Ship building &offshore,General fabrication &construction Power generation Repair and Maintenance also known as stainless steel electrode

		17	hilchrome 316L-17	Stainless steel	G10	80-120A 50V	Plastic pkt	3.2x 350mm	4.10	3.00	the 316 is a multi purpose electrode for welding low carbon 17Cr12Ni3Mo austenitic acid resistant stainless steel grades like AISI 316, 316L. Ship building & offshore, General fabrication & construction Power generation Repair and Maintenance also known as stainless steel electrode
		18	Nickel Iron	cast welding	G12	55-75A 60v	Plastic pkt	2.5x350mm	1.00	10.00	Repair and maintenance.
		19	Nickel Iron	cast welding	G10	80-100A 60v	Plastic pkt	3.2x 350mm	1.00	10.00	Repair and maintenance.
		20	Nickel Iron	cast welding	G8	100-125 60V	Plastic pkt	4.0x 350mm	1.00	10.00	Repair and maintenance.
		21	Hilco Alumini Si5	Aluminum electrode	G10	80-110A 65v	Tin Cans	3.2x 350mm	2.00	6.00	General fabrication & construction, shipbuilding & offshore, repair and maintenance, the easy flowing electrode is suitable for welding all aluminum casting (except AlMg casting).
		22	Gouging Rods			200-400A 35-55V	Paper Pkt	8.0x 305mm		1.00	Used for weld edge preparation, back-gouging in multipass welding, removing unsatisfactory welds, bolt and wire ends spatter removal, all kinds of cutting. Use in all industries related to welding.
		23	Gouging Rods			350-600A 35-55V	Paper Pkt	8.0x 305mm	2.20	1.00	Used for weld edge preparation, back-gouging in multipass welding, removing unsatisfactory welds, bolt and wire ends spatter removal, all kinds of cutting. Use in all industries related to welding.

IMPORTANT

USERS MUST ALWAYS ADJUST THE VOLTAGE OR POLARITY OF THE WELDING MACHINE TO THE RECOMMENDED VOLTAGE FOR THE BEST PERFORMANCES

http://takoradigas.com/Hilco_fact_sheet.pdf

N:B

G12=2.5mm
G10=3.2mm
G8=4.0mm
G6=5.0mm

EFFICIENCY 100/SEC:

SHIELD METAL - 8 CMS
MIG WIRE - 17CMS
FLUX CORD - 34CMS

SMAW=Shielded metal arc welding
GMAG=Gas metal arc welding (mig/mag)
FCAW=Flux cored arc welding
SAW=Submerged arc welding