



StarBlaze®

SUPERIOR TECHNOLOGY | SUPERIOR PERFORMANCE



WELDING ELECTRODES
STAINLESS STEEL WELDING WIRES
STAINLESS STEEL WIRES
WELDING AUXILIARIES
WELDING MACHINES

Make Better

StarBlaze India

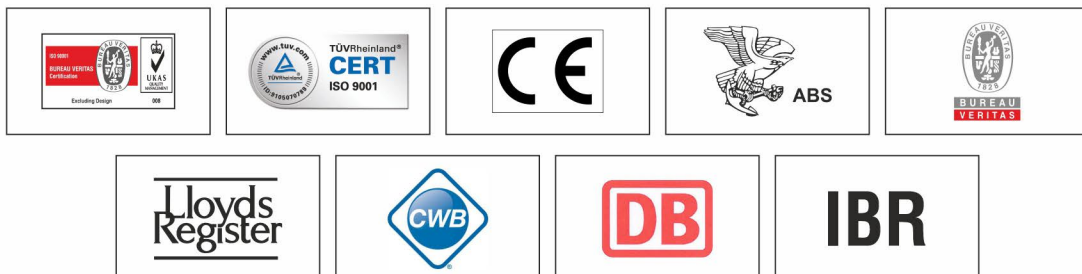
Stellaris Specialities India Ltd. (Division: StarBlaze India), an ISO Certified company, established in 2004 is the number 1 exporter of Welding Consumables from India and amongst the top 10 in India, manufacturing top quality Welding Electrodes, Welding Wires, Welding Machines, Industrial Coatings, MRO Aerosols, Bulk Cleaners and Degreasers.



Corporate Office

- Company with a vision of Make Better, ethical working and bringing products that are far superior in terms of performance and reliability
- Quality producer of stainless steel wires & welding consumables
- Manufacturer of stainless steel welding electrodes
- Integrated producer of 'World Class' stainless steel wires, welding wires & welding electrodes
- Entry into the field of welding machines, CFMS, flux cored wires and auxiliaries has brought us into a pole position
- Value - perfect balance of product & cost effective pricing
- Premium quality features
- Customer base in over 90 countries

Wide Range of Approvals



Global Exports

- StarBlaze India today produces & exports a wide range of welding consumables, welding electrodes & wires, welding auxiliaries, as well as stainless steel non-welding wires, all around the globe
- Excellent "Value Proposition" through ideal balance of "World Class" quality, Superior performance features & cost effective pricing
- Consistent high quality through ISO Certified production facilities, technology transfer from world leaders & long-term commitment to customer service
- Availability of a full range of welding consumables (As per AWS), Maintenance & Repair, Stainless Steel welding wires, welding auxiliaries in single window
- Assured Reliability. Track record of quality leadership in India & now also internationally

World Class ISO Certified Manufacturing Facilities

Electrode
Production



Stainless Steel
Wire Drawing Lines



Stainless Steel
MIG Wire Lines



Stainless Steel
TIG Wire



Stainless Steel Fine Wire



Multi-Alloy Spectro



Computerised UTM



Mechanical Lab



A) Mild Steel & Low Alloys Welding Electrodes

- Full range. Multiple variants in E 6013 & E 7018 /E 7018-1, to suit different customer needs.
- Excellent re-strike & other welding characteristics.
- E7018/E7018-1: Ultra low diffusible hydrogen limits, <4 ml/100gms of weld deposit.
- Best in class mechanical properties.
- Best in class packaging for minimum transit flux damage/breakage.



Product Name	Classification	Mechanical Properties of Weld Metal (Typical)				Welding Conditions	Unique Feature
	AWS/SFA	Yield Strength N/mm2	Tensile Strength N/mm2	Elongation A5 (%)	Impact (J)		
STARBLAZE PRIME 6010	E 6010	>380	450-550	>24	>47 at -30°C	DC(+)	Excellent all position electrode. Best suitable for pipes and pipelines welding. Excellent mechanical properties in class.
STARBLAZE PRIME 6011	E 6011	>380	450-550	>24	>47 at -30°C	AC;DC+	Excellent all position electrode. Best suitable for pipes and pipelines welding. Excellent mechanical properties in class.
STARBLAZE PRIME 6013	E 6013	>380	470-540	>24	>70 at 0°C	AC;DC+	Very soft arc, minimum spatter, smooth fine rippled radiographic weld bead. Superior slag detachability. Excellent impact notch toughness at 0°C.
STARBLAZE PRIME 6013 VD	E 6013	>380	470-540	>24	>60 at 0°C	AC;DC+	Rutile-Cellulosic exceptionally suitable for vertical down welding. Excellent gap. Bridging. Ultra smooth weld ability. Especially suited
STARBLAZE PRIME 6013 S	E 6013	>420	480-540	>24	>60 at 0°C	AC;DC+	Ultra smooth weld ability. Especially suited for thick section fillet joints. Excellent arc Stability even at low currents.
STARBLAZE PRIME 7016	E 7016-H4	>410	510-640	>26	>90 at -30°C	DC+;AC	Excellent weld ability. Self-peeling slag. Excellent mechanical properties.
STARBLAZE PRIME 7016-A1	E 7016-A1-H4	>420	510-640	>24	>47 at -20°C	DC+;AC	Ultra smooth finely rippled weld bead. Less than 4.0 ml diffusible hydrogen. Excellent for C-0.50% Mo Steels.
STARBLAZE PRIME 7018*	E 7018-H4	>450	550-620	>28	>80 at -30°C	AC;DC+	Excellent weld ability. Best in class mechanical properties. Less than 4.0 ml diffusible hydrogen level.
STARBLAZE PRIME 7018 S*	E 7018-1-H4	>450	550-620	>30	80 at -45°C	AC;DC+	Ultra smooth finely rippled weld bead. Less than 4.0 ml diffusible hydrogen level.
STARBLAZE PRIME 7018-A1	E 7018-A1-H4	>450	520-620	>26	120J at -20°C	AC;DC+	Excellent weld ability. Best suited positional welding. Excellent creep resistant
STARBLAZE PRIME 8018-G	E 8018-G	>460	560-680	>30	>47 at -50°C	AC;DC+	Excellent toughness and formability. Highly crack resistant joint welding.
STARBLAZE PRIME 8018-B2	E 8018-B2	>460	550-650	>20	>47 at +20°C	AC;DC+	Ultra smooth finely rippled bead. Best in class mechanical properties.
STARBLAZE PRIME 9018-B3	E 9018-B3	>550	620-750	>20	>47 at +20°C	AC;DC+	Excellent weld ability and mechanical properties.
STARBLAZE PRIME 9018-G	E 9018-G	>550	620-720	>20	>47J at -50°C	AC;DC+	Excellent weld ability extra low hydrogen, Self-peeling slag, best in class mechanical properties.
STARBLAZE PRIME 9018-M	E 9018-M H4	540-620	650-700	>26	>47J at -50°C	AC;DC+	Extra Low hydrogen. Tough and crack free welded joints. Excellent mechanical properties.
STARBLAZE PRIME 10018-D2	E 10018-D2-H4	>630	700-850	>22	>40 at -50°C	AC;DC+	Smooth finely rippled weld bead. Excellent impact notch toughness at -50°C. Recommended for critical security welding applications.
STARBLAZE PRIME 10018-G	E 10018-G-H4	>680	760-850	>18	>47 at -50°C	AC;DC+	Superior weld ability, concentrated arc, smooth weld bead, self-releasing slag at -50°C
STARBLAZE PRIME 11018-G	E 11018-G-H4	>720	>780	>16	>27 at -51°C	AC;DC+	Superior weld ability, concentrated smooth arc, all positions, crack free joints.
STARBLAZE PRIME 11018-M	E 11018-M-H4	>730	775-850	>20	>47 at -50°C	AC;DC+	Excellent weld ability. Best in class. Mechanical properties.

*E7018 & 7018-1 also available in H4R category

B) Stainless Steel Welding Electrodes

- Perfect FULL LENGTH welding
- Self-releasing slag
- Low moisture absorption
- Perfect re-striking
- Best in class 7 layer vacuum packaging
- Wide range of grades suitable for most industrial applications



Product Name	Classification AWS/SFA	Mechanical Properties of Weld Metal (Typical)				Welding Conditions	Unique Feature (All Vacuum Packed)
		Yield Strength N/mm2	Tensile Strength N/mm2	Elongation A5 (%)	Impact (J)		
STARBLAZE PRIME 307	E 307L 16		>600	>35	>75 at RT	AC;DC+	Austenitic structure, rutile type, excellent weld ability. Excellent machinability.
STARBLAZE PRIME 308H	E 308H-16	-	600	37	>55 at RT	AC;DC+	Smooth weld ability. Suitable for high. Temperature applications.
STARBLAZE PRIME 308L-15	E 308L-15	-	>550	>40	>40 >47 at- 196°C	DC+	Basic coated superior weld ability, self-peeling slag best suitable for pipe welding. Impact passes at- 196°C.
STARBLAZE PRIME 308L*	E 308L-16	-	610	44	60 at RT	AC;DC+	LMA type coating, superior weld ability without spatter, self-peeling slag. Best in class mechanical properties.
STARBLAZE PRIME 309CB	E 309Cb-16	-	590	40	75 at RT	AC;DC+	Excellent resistance to chemical corrosion and heat. Weld ability with spatter free arc, self-releasing slag. Excellent weld ability, self-peeling slag. Best
STARBLAZE PRIME 309L*	E 309L-16	-	600	>35	60 at RT	AC;DC+	Excellent weld ability, slag-peeling slag best in class mechanical properties. Best for joining dissimilar steels.
STARBLAZE PRIME 309LMO	E 309LMO-16	-	600	35	65 at RT	AC;DC+	Highly crack resistant. Soft fusion, nice aspect of the bead, slag lifts by it self
STARBLAZE PRIME 310	E 310-16	-	620	35	75 at RT	AC;DC+	Austenitic structure, rutile type, excellent weld ability.
STARBLAZE PRIME 312*	E 312-16	>500	>800	>20	70 at RT	AC;DC+	Superior weld ability. Excellent crack, heat and shock resistant, highest tensile strength with elongation in class.
STARBLAZE PRIME 316L*	E 316L-16	-	>590	>35	60 at RT	AC;DC+	Superior weld ability, finely rippled bead, self-peeling slag. Best in class corrosion resistant.
STARBLAZE PRIME 318-16	E 318-16	450	590	35	65 at +20°C	AC;DC+	Excellent intergranular corrosion resistant, good weld ability, self-peeling slag.
STARBLAZE PRIME 347	E 347-16	-	590	40	60 at RT	AC;DC+	Soft fusion, without spatters, very easy slag removal, exceptional weld bead appearance, easy restriking.
STARBLAZE PRIME 347-15	E 347-15	-	590	40	>47 at - 60°C	DC+	Basic coated controlled fluidity, superior weld ability, self-peeling slag, superior intergranular corrosion resistant.
STARBLAZE PRIME 385	E 385-16	>370	>570	>35	>70 at +20°C	AC;DC+	Fully austenitic, highly corrosion resistant. Good weld ability in all positions, except vertical down.
STARBLAZE PRIME 2209-16*	E 2209-16	>500	>700	>25	>47 at - 40°C	AC;DC+	Corrosive resistant duplex-steels. Excellent resistant to inter granular corrosion, pitting and stress corrosion conditions
STARBLAZE PRIME 2594-16*	E 2594-16	>650	>800	>20	>47 RT	AC;DC+	Super-duplex stainless steels. Excellent resistant to pitting and crevice corrosion. Excellent weld ability, spatter free arc, very smooth bead appearance
STARBLAZE PRIME 410	E 410-15	>250	>520	>22	-	AC;DC+	Basic heavy coated low hydrogen type. Excellent weld ability.
STARBLAZE PRIME 410NiMo	E 410NiMo-15	>600	>850	≥15	-	DC+	Basic coated. Superior weld ability. Excellent resistance to abrasion.

*-17 designation are also available.

C) Hard Facing, Cast Iron & Nickel Alloys



Product Name	Classification AWS/SFA	Mechanical Properties of Weld Metal (Typical)				Welding Conditions	Welding Features (All Vacuum Packed)
		Yield Strength N/mm2	Tensile Strength N/mm2	Elongation A5 (%)	Impact (J)		
STARBLAZE PRIME NiFe	E NiFe-C1	300-400	400-550	>15	-	AC;DC+	Graphite basic coated. Ferro-Nickel alloy. Good bonding and flow of the weld metal. Good machinability.
STARBLAZE PRIME CI99	E Ni-CI	260-410	300-450	>3	-	AC;DC+	Excellent machinability. Pure nickel Electrode. Smooth and intensive arc. Easy slag removal.
STARBLAZE PRIME NiCu7	E Ni-Cu-7	230	490	32	-	DC+	Universal Monel electrode for repairing, joining, problem solver. Weld metal corrosion resistant to seawater, salts and reducing acids.
STARBLAZE PRIME NiCrFe-2	E NiCr Fe-2	>400	>600	40	>47-at 196°C	DC+	Excellent out of position welding. Excellent corrosion resistant even at elevated temperatures.
STARBLAZE PRIME NiCrFe-3	E NiCr Fe-3	>420	>700	43	>47-at 196°C	DC+	Excellent out of position welding. Excellent corrosion resistant at normal elevated temperatures.
STARBLAZE PRIME NiCr-Mo3	ENiCr Mo-3	>420	>760	>30	90 at 196°C	AC;DC+	Superior weldability. Fully austenitic, excellent resistance against corrosive media.

D) Copper Free GMAW Welding Wires

70S-6



- No more copper flakes in the drive rolls, liners and contact tips. SUPERIOR FEEDABILITY
- Vacuum packed, enhanced corrosion resistant, longer life
- New technology, improved surface quality, excellent re-striking
- Excellent welding arc stability with less spatters
- Best in class mechanical properties
- Environment friendly. 100% Green product

E) Stainless Steel Welding Wires

Stainless Steel MIG Wires

Size Range

0.60 mm to 1.20 mm (0.025" to 0.047")

Finish

Bright, Semi-Bright & Matte

Packaging

1kg, 5kg, 12.5kg & 15kg plastic & basket spools

100kg & 250kg Drum Pack

StarBlaze high quality stainless steel MIG welding wires in bright as well as in matte finish with specially designed cleaning operation to avoid welding contamination & trouble free feeding. StarBlaze MIG welding wire comes in plastic & in metal basket spool as per the different weight requirement by customers. The wires tensile strength, helix and cast diameter is engineered to precise tolerance to ensure perfect "Pay-Off". Also manufactures stainless steel MIG welding wires in bulk supplies, which comes with 100 to 250 Kgs (250 to 500 Lbs.)

fiber/card board drums for robotic as well as for general applications. Our pail pack drums equipped with all required facilities for robotic uses & can be utilized on any wire-feeding unit without changing much expensive equipment's. Our pail pack drum also increases productivity by reducing down times as compared with small plastic spools. Cast & helix of our pail pack drums are engineered in such a manner that it reduces wastage of wires & increase life of liner tips.



Stainless Steel TIG Wires

Size Range

0.80 mm to 5.00 mm (0.030" to 0.196")

Finish

Bright

Length

1000mm (40") & 914 mm (36")

StarBlaze manufactures high quality stainless steel TIG welding wires in 36" & 1,000 mm cut lengths, with embossing on one or both sides above 1.2 mm wires as per customer's requirements. StarBlaze TIG welding wires are supplied in bright and clean finish to avoid all possible contamination. Plastic tube/ cardboard tube packaging of 5kg (10lbs) in master carton of 20kg (44lbs) further packed in wooden/cardboard box/Euro pallet



Stainless Steel Saw Wires

Size Range

1.60mm to 4.00mm (0.062" to 0.156")

Finish

Bright & Matte

Packaging

25 kg Paper Core & K415 basket spools

StarBlaze manufactures clean & layer wound wire for submerged arc welding from 1.60 mm (0.0625") to 5.00 mm (0.1875") in various grades in bright as well as in matte finish. The tensile strength, helix and cast diameter is engineered to precise tolerance: to ensure perfect "Pay-Off".



*For stainless steel wires, please follow Annexure 1 for Chemical Composition

Stainless Steel Core Wires

Size Range

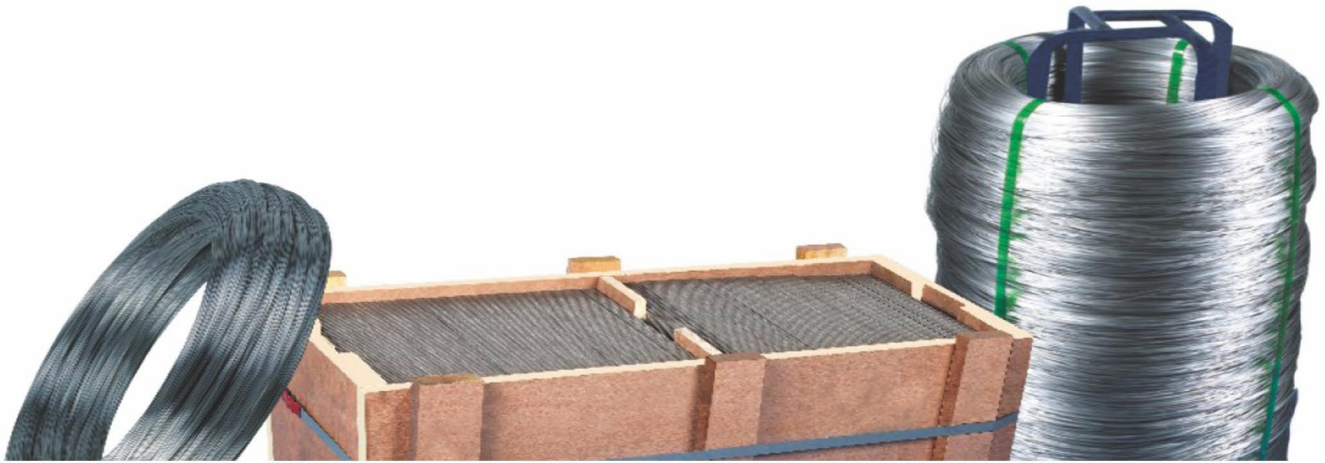
1.60mm to 5.00mm (0.062" to 0.196")

Packaging

Cut length of 350mm & coils

Finish

Bright & Matte



F) Stainless Steel Wire

Stainless Steel Fine Wires

Size Range

0.10mm to 0.70mm (0.004" to 0.317")

Finish

Bright

Temper

Annealed or spring hard (stress relieved - optional)

Packaging

On spools DIN 125, DIN160, DIN 200, DIN 250

Application

Braiding, Knitting, Weaving, Jewellery, Scrubber, Shorts, Brushes, Staples, Wire Rope Manufacturing, Fencing etc.



Size Range

0.70mm to 7.00mm (0.317" to 3.17")

Finish

Soap Drawn (Matte Finish)/Grease Drawn (Bright Finish)
Cleaned or with residual lubricant, Bright Drawn (EPQ) Quality.

Temper

Annealed or spring hard

Packaging

Coils on Hanger

Application

Air Bag, Balls, conveyor belts, Fasteners, Fencing, Filters, Hangers, Lashing, Nails, Kitchen Hose, Roofing Hooks, Screens, Staples, Wool, Wire Mesh, Wire Ropes, etc.



*For stainless steel wires, please follow Annexure 1 for Chemical Composition

Annexure 1: Typical Chemical Composition

GRADE OFFERED						CHEMICAL COMPOSITION					
Grade	%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%N2	Others
Chemical Composition as per ASTM A580											
302	0.120	2.000	1.000	0.030	0.045	17.0-19.0	8.0-10.0	-	-	-	-
304L	0.030	2.000	1.00	0.030	0.045	18.00-20.00	8.00-12.00	-	-	-	-
304	0.080	2.000	1.00	0.030	0.045	18.00-20.00	8.00-12.00	-	-	-	-
310	0.250	2.000	1.50	0.030	0.045	24.00-26.00	19.00-22.00	-	-	-	-
310S	0.080	2.000	1.50	0.030	0.045	24.00-26.00	19.00-22.00	-	-	-	-
314	0.250	2.000	1.50-3.00	0.030	0.045	23.00-26.00	19.00-22.00	-	-	-	-
316	0.080	2.000	1.00	0.030	0.045	16.50-18.00	10.00-14.00	-	2.00-3.00	-	-
316L	0.030	2.000	1.00	0.030	0.045	16.50-18.00	10.00-14.00	-	2.00-3.00	-	-
316Ti	0.080	2.000	1.00	0.030	0.045	16.50-18.00	10.00-14.00	-	2.00-3.00	-	%Ti-5 x C% min
321	0.080	2.000	1.00	0.030	0.040	17.00-19.00	9.00-12.00	-	-	-	%Ti-5 x C% min
Ferritic Stainless Steel											
430	0.120	1.000	1.00	0.030	0.040	16.00-18.00	-	-	-	-	-
430L	0.030	1.000	1.00	0.030	0.040	16.00-18.00	-	-	-	-	-
Welding Grades											
ER 307	0.20	5.00-8.00	0.65	0.030	0.030	17.00-20.00	7.00-10.00	0.50	0.50	-	-
ER 307Si	0.20	5.00-8.00	0.65-1.20	0.030	0.030	17.00-20.00	7.00-10.00	0.50	0.50	-	-
ER 308L	0.030	1.00-2.50	0.30-0.65	0.030	0.030	19.50-22.00	9.0-11.0	0.75	0.75	-	-
ER 308H	0.04-0.080	1.00-2.50	0.30-0.65	0.030	0.030	19.50-22.00	9.0-11.0	0.75	0.50	-	-
ER308LW	0.020	1.60-1.90	0.20	0.015	0.020	19.50-20.50	9.6-10.6	0.10	0.30	0.040	%Co-0.10 Max
ER 308LSI	0.030	1.00-2.50	0.65-1.00	0.030	0.030	19.50-22.00	9.0-11.0	0.75	0.75	-	-
ER309L	0.030	1.00-2.50	0.30-0.65	0.030	0.030	23.00-25.00	12.0-14.0	0.75	0.75	-	-
ER309H	0.04-0.080	1.00-2.50	0.30-0.65	0.030	0.030	23.00-25.00	12.0-14.0	0.75	0.50	-	-
ER 309LSI	0.030	1.00-2.50	0.65-1.00	0.030	0.030	23.00-25.00	12.0-14.0	0.75	0.75	-	-
ER 309LMo	0.030	1.00-2.50	0.30-0.65	0.030	0.030	23.00-25.00	12.0-14.0	0.75	2.00-3.00	-	-
ER 316L	0.030	1.00-2.50	0.30-0.65	0.030	0.030	18.00-20.00	11.0-14.00	0.75	2.00-3.00	-	-
ER 316H	0.04-0.080	1.00-2.50	0.30-0.65	0.030	0.030	18.00-20.00	11.0-14.00	0.75	2.00-3.00	-	-
ER 316LW	0.020	1.60-1.90	0.20	0.015	0.020	18.00-19.50	11.0-12.50	0.10	2.00-3.00	0.040	-
ER 316LWMo	0.020	1.60-1.90	0.20	0.015	0.020	18.00-19.50	11.0-12.50	0.10	2.50-3.00	0.040	Co-0.10 Max
ER 316LHMo	0.030	1.00-2.50	0.30-0.65	0.020	0.030	18.00-20.00	11.0-14.00	0.50	2.50-3.00	-	-
ER 316LSI	0.030	1.00-2.50	0.65-1.00	0.030	0.030	18.00-20.00	11.0-14.00	0.75	2.00-3.00	-	-
ER 316LSIMo	0.030	1.00-2.50	0.65-1.20	0.020	0.030	18.00-20.00	11.0-14.00	0.50	2.50-3.00	-	-
ER 310	0.08-0.15	1.00-2.50	0.30-0.65	0.030	0.030	25.00-28.00	20.0-22.05	0.75	0.75	-	-
ER 312	0.15	1.00-2.50	0.30-0.65	0.030	0.030	28.00-32.00	8.00-10.50	0.75	0.75	-	-
ER 317L	0.030	1.00-2.50	0.30-0.65	0.030	0.030	18.50-20.50	13.0-15.00	0.75	3.00-4.00	-	-
ER 318	0.080	1.00-2.50	0.30-0.65	0.030	0.030	18.00-20.00	11.0-14.00	0.75	2.00-3.00	-	%Nb-8XC min-1.00
ER 320	0.070	2.50	0.60	0.030	0.030	19.00-21.00	32.0-36.00	3.00-4.00	2.00-3.00	-	%Nb-8XC min-1.00
ER 320LR	0.025	1.50-2.00	0.15	0.020	0.015	19.00-21.00	32.0-36.00	3.00-4.00	2.00-3.00	-	%Nb-8XC min-0.40
ER 321	0.080	1.00-2.50	0.30-0.65	0.030	0.030	18.50-20.50	9.00-10.50	0.75	0.75	-	%Ti-9XC min-1.00
ER 347L	0.03	1.00-2.50	0.30-0.65	0.030	0.030	19.00-21.50	9.0-11.00	0.75	0.75	-	%Nb-10XCmin -1.00
ER 347	0.08	1.00-2.50	0.30-0.65	0.030	0.030	19.00-21.50	9.0-11.00	0.75	0.75	-	%Nb-10XC min-1.00
ER 347H	0.04-0.080	1.00-2.50	0.30-0.65	0.030	0.030	19.00-21.50	9.0-11.00	0.75	0.75	-	%Nb-10XCmin -1.00
ER 347LSI	0.03	1.00-2.50	0.65-1.00	0.030	0.030	19.00-21.50	9.0-11.00	0.75	0.75	-	%Nb-10XC min-1.00
ER 347SI	0.08	1.00-2.50	0.65-1.00	0.030	0.030	19.00-21.50	9.0-11.00	0.75	0.75	-	%Nb-10XC min-1.00
ER 385	0.025	1.00-2.50	0.50	0.020	0.020	19.50-21.50	24.00-26.00	1.20-2.00	4.20-5.20	-	-
ER 410	0.12	0.60	0.50	0.030	0.030	11.50-13.50	0.60	0.75	0.75	-	-
ER 410NiMo	0.06	0.60	0.50	0.030	0.030	11.0-12.50	4.00-5.00	0.75	0.40-0.70	-	-
ER 420	0.25-0.40	0.60	0.50	0.030	0.030	12.00-14.00	0.60	0.75	0.75	-	-
ER 430L	0.03	0.60	0.50	0.030	0.030	15.50-17.00	0.60	0.75	0.75	-	-
ER 430	0.10	0.60	0.50	0.030	0.030	15.50-17.00	0.60	0.75	0.75	-	-
ER 409Cb	0.08	0.80	1.00	0.030	0.040	10.50-13.50	0.60	0.75	0.5	-	%Nb-10XC min-0.75
ER 2209	0.03	0.50-2.00	0.90	0.020	0.030	21.50-23.50	7.5-9.5	0.75	2.50-3.50	0.08-0.20	-
ER 2594	0.03	2.50	1.00	0.020	0.030	24.00-27.00	8.00-10.50	1.5	2.50-4.50	0.20-0.30	%W-1.00 max

G) Welding Auxiliaries

- StarBlaze ANTI SPATTER (NF)** Weather resistant long lasting anti-spatter coating. Prevents spatter from adhering to weld beads, surrounding & welding tips during welding.
Key Features
 - Heavy duty-effective even on the most severe high amperage weld spattering, unlike normal anti spatter sprays.
 - Fully non-flammable formulation with a non-flammable CO₂, propelled for higher user safety as well as higher actual coverage (97% actives vs 65% max actives in hydrocarbon propelled aerosol sprays).**PACKING:** 400 Gms/CAN
- StarBlaze ANTI SPATTER (E)** Heavy-duty dry thin film Water based welder anti spatter coating. Designed to prevent spatter from adhering to weld beads, surrounding metal surfaces & welding tips during welding.
Key Features
 - Heavy duty-Effective even on the most severe high amperage weld spattering, unlike normal anti-spatter sprays.
 - Fully non-flammable water based formulation. Superior application and durability.
 - Keeps tips and nozzles clean. Prevents spatter build-up.**PACKING:** 350 ml/CAN
- StarBlaze SUPER PENETRANT & SUPER DEVELOPER** Will locate surface discontinuities or other indications on all non-porous materials (Metals, Plastics, and Ceramics):- Cracks, Seams, Porosity, Laps, Laminations, and Cold Shuts. Use to detect welding, casting & forging defects, cracks & leaks in new-components and fatigue cracks on in-service components
Key Features
 - Will detect wide spectrum of flaw sizes regardless of flaw orientation, up to 1 micron to 30 microns depth on standard Ni-Cr test panel.
 - Superior capillary action, Non-Toxic, Non-Corrosive Free from halides & sulfides
 - Conforms to MIL-1-25135, MIL STD 271, IS 3658-1981 "Code of practice for liquid penetrant flaw detection".**Packing:** 400 ml /CAN
- StarBlaze SUPER 40** Plastic safe, high di-electric strength cleaner, lubricant, moisture displacer, penetrant & corrosion inhibitor that loosens dirt, scale, rust Reopens jammed assemblies, cleans grease/grime, provides effective anti-rust and prevents electrical malfunctions caused by water penetration, humidity, condensation or corrosion.
Key Application Areas
 - Mechanical: Threaded assemblies, tools, molds, dies, electrical system precision machined components
 - Electrical: Motor, generators, electromechanical equipment's, communication systems, re-opening jammed parts & assemblies**Packing:** 400 ml /CAN, 200 ml/Can & 100 ml/Can.
- StarBlaze NOZZLE DIP GEL** Heavy duty proprietary polymer gel type formulation. Designed to prevent accumulation of weld spatter from adhering to the welding torch nozzle, both interior and exterior surfaces. Facilitates smooth welding and reduced downtime by avoiding spatter build-up and repeated cleaning of welding tips during the welding process.
Key Application Areas
 - Resistance welding tips, MIG and TIG torch nozzles.
 - Heavy duty: Effective even on the most severe weld spattering.
 - Non-drip formulation: Superior adhesion and durability of the gel ensures nozzle and tip remains clean during welding.
 - No adverse effect on type of welding. It is a non-toxic, non-fuming formulation.**Packing:** 300 Gms/Can
- StarBlaze 82CO2 WONDER GEL** Stainless Steel Pickling Gel is a unique, fast action, non-fuming, pickling gel used to remove heat tint, weld discoloration, oxide scale and rust from all series of stainless steels. The corrosion resistance of stainless steel depends on the presence of an invisible protective chromium oxide surface. Operations or exposure to carbon can damage the passive protective layer. Such as welding, grinding
Key Features
 - User friendly-minimal fuming & skin irritation.
 - Fast Action
 - Easy to use. No mixing or measuring. Apply directly to surfaces to remove stubborn impurities. Superon Pickling Gel Cleans the toughest slag, weld scale and heat/black oxide color from stainless steel.
 - Cleans & restores the original corrosion resistant properties of the material.**PACKING:** 1kg/Can & 500 gm/Can

Casting Industry, Fabrication Industry, NDT Testing
Electrical & Electronics, Automobile Industry



H) Welding Machines

The most advanced Power MIG 500GF

Economical, Excellent, Flexible, Professional

- Advanced IGBT inverter technology
- CC/CV Design suitable for a dual welding process: MIG & MMA
- 2T/4T function
- Arc Trait (Inductance) adjustable
- External wire feeder with voltage and current control
- Digital Meters - Voltage and Amperage preview and hold capability
- Dust-Free cooling system to enhance duty cycle
- With overload and overheat protection
- Power source with protect corner more durable

Technical Data		
ITEM	MIG 500GF	
	MIG	MMA
Input voltage (V) ±15%	3P-415	3P-415
Frequency (HZ)	50/60	50/60
Rated input current (A)	31.2	31.8
Rated input power (KVA)	21	22
Output current @ voltage (A/V)	60/17~450/36.5	60/22.4~450/38
Duty cycle (40°C)	60%	40%
No load voltage (V)	61	
No load cost (W)	190	
Wire speed(m/min)	3-15	
Power factor	0.93	
Efficiency	85%	
Suitable wire dia. (mm)	0.8/1.0/1.2	
Housing protection grade	Ip21	
Power source weight (kg)	30	
Dimensions (mm)	526*272*468	

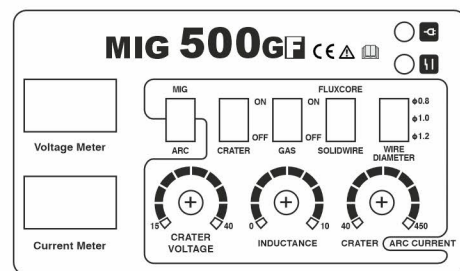
Application Specification

Industrial steel structure, Machinery maintenance, Equipment manufacturing Mild steel, Stainless steel, alloyed steel, etc



Control Panel

Simple and easy to operate, you can choose MIG or MMA process Under MIG mode, wire feed speed and welding voltage can be pre-set. Arc Trait (inductance) adjusted depend on welding current and wire diameter. 2T/4T depends on interrupt or continuous weld.



Base Units Include

- 1 PCS Inverter Power source.
- 3 mtr Welding torch and cable assembly
- 3 mtr work cable and earthing clamp
- Wire feeder and accessories



The most cost-efficient Heavy Industrial MMA 400G

Dependable, Economical, Excellent Basic Industrial Stick Welding

- Advanced IGBT inverter technology
- Wide range for input voltage: 415V±15%
- Digital meter to preset and display welding current
- Dust-Free Cooling System with Upgraded Duty Cycle
- ARC force and Hot start adjustable, easy to striking the arc
- VRD function, for safety of welders
- Auto-Protection against over-voltage, over-current and over-heat
- In this series, each machine is fitted with 8 pcs plastic corner protectors, which can well protect the machine and make it looks more elegant
- Energy Saving - Compared with the traditional machines more efficient

Control Panel

Simple and easy to understand front panel design, the upper big knob for welding current pre- setting, the below two smaller knob for hot start current and Arc force current adjustment.



Base Units Include

- 1 pcs inverter power source
- Stick electrode holder with 3 mtr 35 mm² Copper cable
- Earthing clamp with 3 mtr 35 mm² Copper cable

Technical Data

ITEM	MMA 400G
MMA 400G	3P-415±15%
Frequency (HZ)	50/60
Rated (A) input current	27.6
Rated input power (KVA)	18.1
Output current (A)	40-400
Hot start current (A)	0-135
Arc force current (A)	0-100
Duty cycle (40°C)	400A@60%
Power factor	>0.93
Efficiency	>85%
Housing protection grade	Ip21
Weight (kg)	22
Dimensions (mm)	485x234x425

Application Specification

Steel erection, Pipe, Fabrication, Shipbuilding, Foundries, Mild steel, Stainless steel, alloyed steel, fabrication etc.



Stellaris Specialities India Ltd.

(Division: StarBlaze India)

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Plant 3: B-100, Mayapuri Industrial Area, Phase-1, Near Police Station, New Delhi-110064

Plant 4 : A-334, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan - 301707

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Make Better