



- Aluminium Alloy Wire
- Aluminium Alloy Welding Wire
- Tea Bag Staple Wire

 **Garg Inox Ltd.**
we make the wire you desire



COMPANY PROFILE *Backed by Experience*

Dom Helder Camera once said, when we are dreaming alone, is only a dream. When we are dreaming with others, it is the beginning of reality.

Only about 2 decades ago we also saw a very ambitious dream and worked on it day in and out. What was our dream then, at Garg Sales Company Private Limited is today GARG INOX LTD., a mega steel company.

The company with a strong focus & a constant desire to outdo itself is today the market leader in the field of stainless steel wires in the world.

Under the dynamic leadership of Mr. Suresh Garg, the man who's unparalleled vision and straight thinking has been the driving force, the company has grown by leaps and bounds challenging new boundaries and setting up new standards for itself year after year.

The company follows strict standards of ISO 9001:2008 and is a government certified Export House, having

Offices in the USA and U.K. with a production capacity of 60,000 tons annually from three production units.

Garg Inox selling its product under the brand name GARG WIRE has an annual turnover of over 80 million US Dollars is amongst the top Aluminium Alloy Wire and stainless steel manufacturers of the country.

The USP of Garg Inox is that here Client requirements are given utmost priority with individual attention to every client. It is this quality probably that Garg Inox today exports its high quality products to a very vast clientele in over 50 countries of the world.

With this philosophy in tow, and a dedicated, well-trained team of hardcore professionals who always aspire to create cutting edge technology combined with the latest machinery we provide our high quality product at the most competitive prices to all our customer world wide.



ISO 9001 : 2008 Certified



Star Export House



TUV Certificate





• **4043** is a 5% Silicon Aluminium filter metal which has excellent flowability and penetration characteristics, recommended for welding aluminium alloys with maximum 2% alloys elements and for aluminium alloys containing up to 7% of Si a 2014, 3003, 5052, 6060, 6063, 6101 and so on.

• **4047** is a 12% Si Al filter metal which has excellent corrosion resistance and low melting point ensuring a very low number of deformations in the parent metal, recommended for welding alloys as 1060, 1350, 3003, 3004, 5005, 5050, 6053, 6951, 7005 etc. and costing Al alloys such as 710.0, 711.0.

• **5356** is a about 5% Magnesium Aluminium filter metal which has high strength, high corrosion resistance and matches the color well with the parent metal after anadizing, recommended for welding casting and forging Ai-Mg alloys with maximum 5% Magnesium and parts of wrought alloy of • 5000 series • 6000 series • 7000 series as 5050, 5052, 5083, 5456, 6005A, 6061, 6063, 6082, 7005 etc.

Mainly apply to furniture sports equipment compressed container, the construction of ship, railway and in the automotive industry.

• **5183** is a about 4.5% Magnesium Aluminium filter metal which has high strength, excellent seawater corrosion resistance and high fracture toughness recommended for welding the construction of parts of • 5000 series • 6000 series • 7000 series alloys as 5083, 6061, 6063, 5086, 7005, 7020 etc.

Mainly apply to the construction of ships, offshore, cryogenic plants, compressed container, railway and in the outmotive industry.

• **5087** is a about 4.5% Magnesium Aluminium filter metal added micro Zr which acts as grain-refiner has high strength, excellent corrosion resistance, better bending property and the excellent resistance of not crocking sensitivity, recommended for welding the wrought aluminium alloys of 5000 series, 6000 series and 700 series as 5083, 6005A, 6082, 7005, 7020 etc.

Mainly apply to the construction of ships, offshore, storage tank, railway, high speed train and in the automotive industry.

Specificatgions and Packing

Material	Diameter	Packing	Weight
MIG Wire	0.8mm, 0.9mm, 1.0mm 1.2mm, 1.6mm	D300 D270	6Kg~7Kg 5Kg~6Kg
	0.8mm, 0.9mm, 1.0mm 1.2mm	D200 D100	2Kg 0.5Kg
TIG Rod	1.6mm, 2.0mm, 2.4mm, 3.0mm, 3.2mm, 4.0mm, 5.0mm, 6.0mm	Length 1000mm	5Kg 10Kg 20Kg
MIG Coil	1.6mm, 2.0mm, 2.4mm, 3.0mm, 3.2mm, 4.0mm, 5.0mm, 6.0mm		10Kg~20Kg 30Kg~50Kg

Diameter, Weight and Length

Diamater (mm)	Weight (Per Meter)	Length (Per Spool/m)				
		0.5Kg	2Kg	5Kg	6Kg	7Kg
0.8	1.34	373	1492	3731	4476	5222
0.9	1.7	294	1176	2941	3529	4118
1	2.1	238	952	2381	2857	3333
1.2	3.02	165	662	1655	1987	2318
1.6	5.37	--	--	931	1117	1304

• The dates of weight and Length are only for reference.





ALUMINIUM ALLOY WELDING WIRE

Alloy & Chemical Composition

GRADE	Element (%)												
	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Zr	Be	Each	Total	Al
4043	4.5 ~ 6.0	0.8	0.3	0.05	0.05	~	0.1	0.2	~	0.0003	0.05	0.15	Rem.
4047	11 ~ 13	0.8	0.1	0.15	0.1	~	0.2	0.15	~	0.0003	0.05	0.15	Rem.
5356	0.25	0.4	0.1	0.05~0.2	4.5~5.5	0.05~0.2	0.1	0.06~0.2	~	0.0003	0.05	0.15	Rem.
5183	0.25	0.4	0.1	0.5~1.0	4.5~5.2	0.05~0.25	0.1	0.15	~	0.0003	0.05	0.15	Rem.
5087	0.25	0.4	0.05	0.7~1.1	4.5~5.2	0.05~0.25	0.1	0.15	0.1~0.2	0.0003	0.05	0.15	Rem.

TEA BAG STAPLE WIRE

Garg Inox's Aluminium Wire for Tea Bag stapling operations is available in various diameters, packages and alloys to meet the requirements of most tea packing machinery on the market. Our Tea Bag wire is produced in compliance with guidelines for products used in food packaging and meets the highest standard of quality. Common diameters are maintained in stock for quick shipment.

Diameter : 0.50mm (\pm 0.01mm)

Packages : K 150 Spools (2 Kgs.)



Tea Bag Staple Pins Wire



AL-ALLOY ADVANTAGES

Aluminium's unique combination of properties make it a highly versatile material when alloyed with various metals. Besides light weight characteristics and corrosion resistance property it's excellent workability make it on natural choice for industrial use.

AL-ALLOY wires are used in many products by the leaders of the industry as raw material.

Diameter Range : 0.12-6.00 mm

AL-ALLOY WIRES ARE WIDELY USED IN

- Electrical & Telecommunication cables.
- Flexible cables.
- Coaxial cables.
- Wire used electrical appliances.
- Aluminium pads (example: metal sponges for cleaning bristles)
- Anodic treatment (example for fixing profiles)
- Water-bottle carrier/parcel grids for bicycles
- Ornamental chains for costume jewellery
- Mosquito nets
- Metal network: nets, mesh, filters and other products
- Cold presswork sector including: rivets, solid, no-through, semi-bored, semi-rounded, flat headed (example) for jeans, for blocking saucepan handles, for the automobile industry and household appliances rivets - screw and nails (for nailing frames, verandas, roof coverings)
- Zips - trouser zips
- Darning needles
- Foodstuff clips, metal staples (example for sausage type foods, tea bags)
- Lightning conductors
- Clips, staples for staplers, paper clips
- Clothes pegs, Aluminium clothes hangers, usually used by dry cleaners
- Refrigerator grilles
- Drying racks
- Metal coating
- Pipe hose for sanitary fittings
- Pipe hose for low pressure drinking water, for low pressure oil, air and petrol, anti-vibration tubes
- Steel deoxidizer in the continuous casting process
- TV Aerials
- Wire Cloth.
- Hoses
- Aluminium Shots

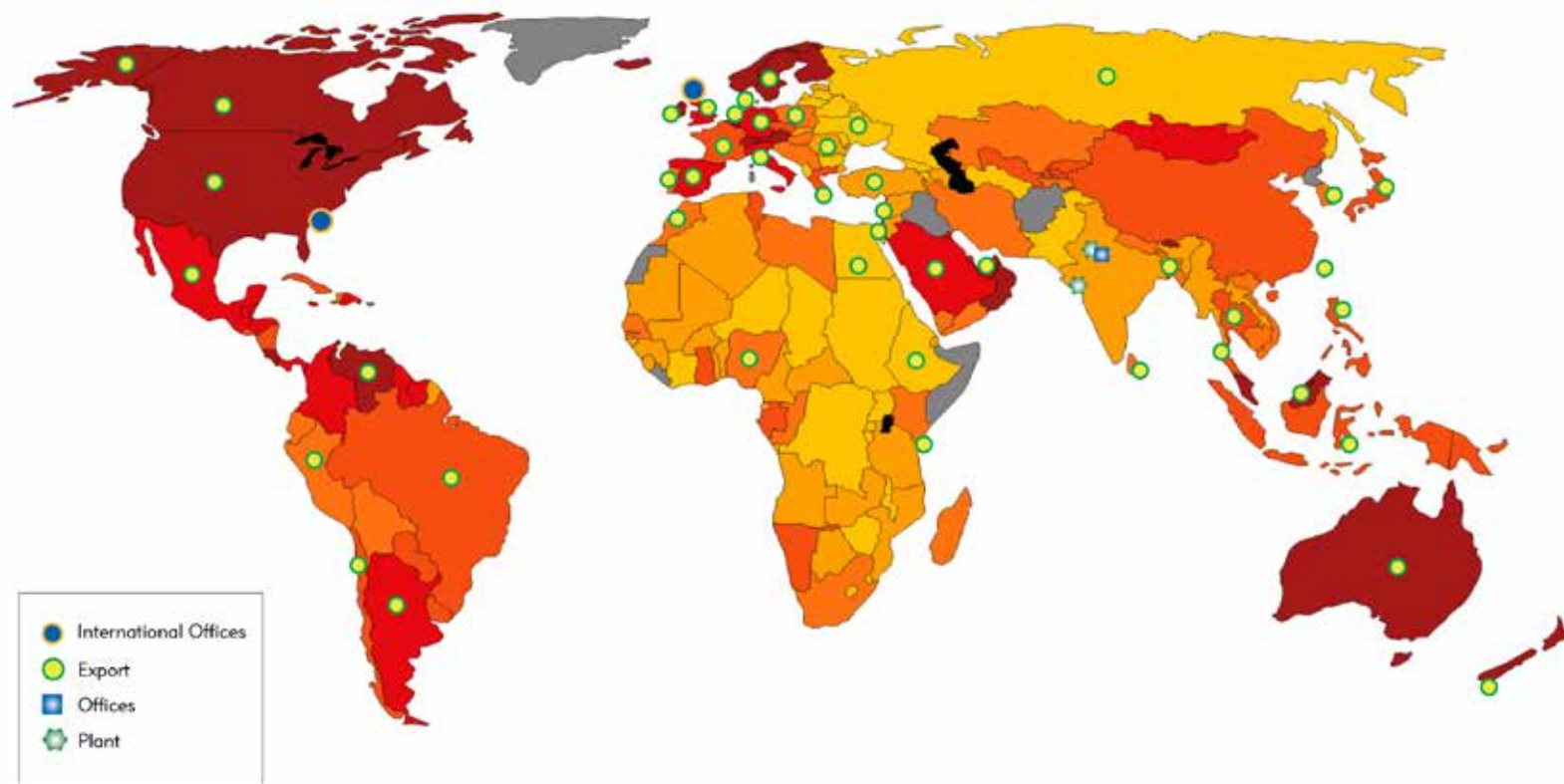
GRADES AVAILABLE

GRADE	Element (%)									Aluminium
	SI %	FE %	CU %	MN %	MG %	CR. %	ZN %	TI %	Other	
5019	0.40MAX	0.50MAX	0.10MAX	0.10 - 0.60	4.50 - 5.60	0.20MAX	0.20MAX	0.20MAX	0.15MAX	Remaining
5050	0.40MAX	0.70MAX	0.20MAX	0.10MAX	1.1 - 1.8	0.10MAX	0.25MAX	-	0.15MAX	Remaining
5052	0.25MAX	0.40MAX	0.10MAX	0.10MAX	2.2 - 2.8	0.15 - 0.35	-	-	0.15MAX	Remaining
5056	0.30MAX	0.40MAX	0.10MAX	0.05 - 0.20	4.50 - 5.60	0.05 - 0.20	0.10MAX	-	0.15MAX	Remaining
5154	0.45MAX	0.45MAX	0.10MAX	0.80 - 1.30	2.80 - 3.50	-	0.20MAX	0.20MAX	-	Remaining
5356	0.25MAX	0.40MAX	0.10MAX	0.05 - 0.20	4.50 - 5.50	0.050 - 0.20	0.10MAX	0.06 - 0.20	0.15MAX	Remaining
5754	0.40MAX	0.40MAX	0.10MAX	0.50MAX	0.26 - 36	0.30MAX	0.20MAX	0.1.5MAX	0.15MAX	Remaining
6101	0.3 - 0.7	0.5MAX	0.10MAX	0.50MAX	0.35 - 0.38	0.03MAX	0.10MAX	-	0.15MAX	Remaining
6201	0.60MAX	0.22MAX	0.007MAX	-	0.63MAX	0.004MAX	0.008MAX	NI 0.003MAX	PB 0.007MAX	Remaining

Note : Other Grades can be made available on request.



OUR PRESENCE



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