



STAR ENERGY PRODUCT

A large, stylized white star graphic with a jagged, zig-zag border, set against a background of a blurred industrial turbine. The star is positioned on the left side of the page, partially overlapping the turbine image.

STAR ENERGY PRODUCT

A STAR WIRE GROUP COMPANY





ABOUT US:

Established in the year 1996, We Star Energy Product are one of the leading suppliers of CRGO / CRNGO, Holding excellence in this domain we have been supplying premium quality Electrical Steel Worldwide.

OUR VISION:

To be a recognized brand for best practices set to achieve benchmarked Quality, Service and Reliability. Targeting and achieving growth, which would be beneficial for clients, the company, and employees.

OUR MISSION:

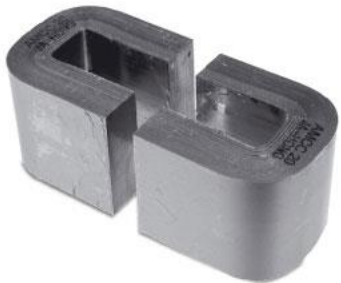
To become a core company dedicated to providing quality oriented and competitive products to its customers in India and worldwide. We insist on maintaining a friendly, fair, and creative work environment which respects diversity, new ideas & hard work.

OUR PRODUCTS



CRGO

CRGO is the abbreviation for Cold Rolled Grain Oriented Steel, which is used in particular to laminate any heavy transformer as a core. CRGO steel has exceptionally high mechanical elasticity and magnetic properties in the rolling direction.



AMORPHOUS

Amorphous metals have been used in electrical motors where high efficiency is all-important, but it is the distribution transformers where the material is proving most beneficial.

CRNGO

CRNGO is the abbreviation for Cold-Rolled Non-Grain-Oriented Steel. Electrical Steel is an iron alloy tailored to produce specific magnetic properties small hysteresis areas resulting in low power loss per cycle, low core loss, and high permeability.



CRGO

STEPLAP CORE

The Step lap CRGO Transformer Laminations design leads to low no-load losses and a low noise level, lateral step-lap enables a favorable assembly for the upper yoke. Every type of CRGO TRANSFORMER cores can be produced in a form of Step lap overlap, 45 cut, with hole or without hole from every required quality electrical steel up to 800 mm width.

WOUND CORE

We do provide wound core for single phase and three phase transformer manufacturers.

STACK CORE

We provide complete CRGO assembled cores for distribution and power transformers up to 10MVA (100000KVA) with no load losses tested and appropriately packed and ready for insertion of LV and HV Coils. A pre measuring of the CRGO core losses guarantees the required no load losses of transformers.

TOROID

We offer a full range of annealed, toroid cores for metering, relaying and special applications. Our toroid cores are available in wide range as per our customer's designs.

MOTHER COILS & SLIT COILS

We can provide mother coils of any grades that our customer requires. We can further provide customer with slit coils according to their sizes from 5mm to 1000mm in various grade.

LAMINATION

We provide blanking lamination which is processed and produced by best raw material under precession engineering tool room..

CRNGO

MOTHER COILS & SLIT COILS

We can provide mother coils any grades that our customer requires, we further provide customer with slit coils according to their sizes from 5mm to 1000mm in various grade.

AMORPHOUS

The iron based amorphous alloy is composed of 80% Fe and 20%Si and B, the alloy of the metal element is rapidly solidified. An amorphous material formed by the art, having an extremely high quality, superior physical and electrical.

CRGO

Product	Thickness(mm)	Steel Grade	Theoretical Density kg/dm3	Max. Specific Total Loss P1.7/50w/kg	Min. Magnetic Polarization B800T	Min. Stacking Factor %
Laser Scribe High Permeability GO	0.23	23HP75D	7.65	0.75	1.88	94.5
		23HP80D		0.80	1.88	
		23HP85D		0.85	1.88	
		23HP90D		0.90	1.88	
High Permeability GO		23HP85		0.85	1.88	
		23HP90		0.90	1.88	
		23HP95		0.95	1.88	
		23HP100		1.00	1.88	
Laser Scribe High Permeability GO	0.27	27HP90D	7.65	0.90	1.89	95
		27HP100		1.00	1.89	
		27HP105		1.05	1.89	
		27HP110		1.10	1.89	
High Permeability GO	0.30	30HP105	7.65	1.05	1.92	95.5
Conventional GO	0.23	23CG110	7.65	1.10	1.81	94.5
	0.27	27CG110		1.10	1.89	95
		27CG120		1.20	1.82	
		27CG130		1.30	1.81	
	0.30	30CG120		1.20	1.82	95.5
		30CG130		1.30	1.81	

CRNGO

Grade	Nominal Thickness (mm)	Density (kg/dm ³)	Maximum Iron Loss P15/SO (W/kg)	Typical Iron Loss (W/kg)	Minimum Magnetic Induction BSO (T)	Typical Minimum Magnetic Induction (T)				Minimum Lamination Factor (96)
						B10	B25	B50	B100	
				P15/50		B10	B25	B50	B100	
35C230	0.35	7.60	2.30	2.15	1.62	1.47	1.57	1.66	1.78	95
35C250		7.60	2.50	2.25	1.62	1.48	1.57	1.66	1.78	95
35C270		7.65	2.70	2.30	1.62	1.48	1.58	1.67	1.79	95
35C300		7.65	3.00	2.53	1.62	1.51	1.59	1.68	1.80	95
35C360		7.65	3.60	2.80	1.63	1.51	1.60	1.68	1.80	95
35C400		7.65	4.00	3.20	1.63	1.51	1.60	1.68	1.80	95
35C440		7.70	4.40	3.00	1.64	1.53	1.62	1.70	1.82	95
35C550		7.75	5.50	3.50	1.64	1.53	1.61	1.69	1.81	95
50C250		0.50	7.60	2.50	2.39	1.62	1.48	1.57	1.67	1.79
50C270	7.60		2.70	2.50	1.62	1.48	1.57	1.67	1.80	96
50C290	7.60		2.90	2.60	1.62	1.49	1.58	1.67	1.79	96
50C310	7.65		3.10	2.70	1.62	1.50	1.59	1.68	1.80	96
50C350	7.65		3.50	2.85	1.62	1.50	1.60	1.68	1.80	96
50C400	7.65		4.00	3.15	1.63	1.52	1.61	1.69	1.81	96
50C470	7.70		4.70	4.00	1.64	1.52	1.60	1.69	1.80	96
50C530	7.70		5.30	4.20	1.64	1.52	1.60	1.69	1.80	96
50C600	7.75		6.00	4.30	1.66	1.53	1.62	1.71	1.82	96
50C700	7.80		7.00	5.20	1.70	1.56	1.65	1.73	1.84	96
50C800	7.80		8.00	5.70	1.70	1.57	1.66	1.74	1.84	96
50C1000	7.85		10.00	6.20	1.70	1.59	1.68	1.76	1.87	96
50C1300	7.85		13.00	7.20	1.70	1.59	1.68	1.76	1.88	96

AMORPHOUS

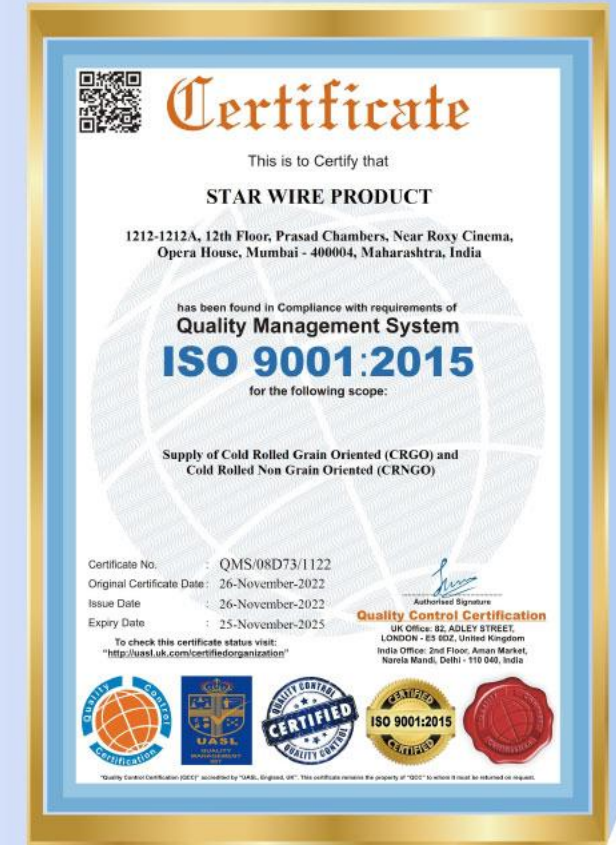
Product Specification	Ribbon Width (mm)	Ribbon Thickness (um)
J1K1011420282	142	25-26
J1K1011700282	170	25-26
J1K1012130282	213	25-26

Saturated Magnetic Induction Intensity (T)	1.6
Curie Temperature (°C)	394
Crystallization Temperature (°C)	478
Hardness (kg/mm ²)	980
Saturated Magnetostrictive Coefficient	27*10 ⁶
Density (g/cm ³)	7.25
Resistivity (u-cm)	114
Coercive Force (A/m)	<4

OVERSEAS PRESENCE



CERTIFICATIONS & APPROVALS



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**Office No. 1212/1212A, 12th floor, Prasad Chambers,
Tata Road no.2, Near Roxy Cinema ,Opera House,
Mumbai – 400 004 , INDIA.**



www.starenergyproduct.com



vaibhav@starwireproduct.com



+91 9867030381