



Non-Oriented Electrical Steel (CRNGO)

Cold-rolled, fully processed silicon steel for motor, generator and compressor laminations · 0.35 / 0.50 / 0.65 mm

1 · GRADES AND MAGNETIC PROPERTIES

Thickness	GB/T 2521.1	EN 10106 / IEC	JIS C 2552	P1.5/50 max W/kg	B50 min T	Typical use
0.35 mm	35W270	M270-35A	35A270	2.70	1.60	Servo, compressor and higher-frequency motors
0.35 mm	35W300	M300-35A	35A300	3.00	1.60	Compressor, servo and inverter-duty motors
0.50 mm	50W400	M400-50A	50A400	4.00	1.63	High-efficiency industrial motors
0.50 mm	50W470	M470-50A	50A470	4.70	1.64	Efficiency-rated industrial motors
0.50 mm	50W600	M600-50A	50A600	6.00	1.66	General-purpose motors and generators
0.50 mm	50W800	M800-50A	50A800	8.00	1.70	Appliance, fan and pump motors
0.65 mm	65W800	M800-65A	65A800	8.00	1.70	Large, low-speed, cost-driven motors

Guaranteed limits per IEC 60404-8-4, Epstein test (IEC 60404-2), P1.5/50 = specific total loss at 1.5 T, 50 Hz; B50 = magnetic polarization at 5,000 A/m. Grades are matched across standards by thickness and maximum loss class; limits may differ slightly between GB, EN and JIS — confirm against your specification. Measured values for each coil are reported on its mill test certificate. AISI / ASTM A677 designations have no fixed one-to-one match: send your specification for the closest grade with data. Other GB/T 2521.1 grades available on request.

2 · DIMENSIONS, TOLERANCES AND SURFACE

Product	Cold-rolled non-oriented electrical steel (CRNGO), fully processed
Thickness	0.35 / 0.50 / 0.65 mm
Coil width	Up to approx. 1,250 mm as rolled · slit widths from 8 mm
Coil weight	Approx. 3–8 t master coil · slit coils to customer decoiler limit
Inner diameter	508 mm standard · 610 mm on request
Outer diameter	Follows coil weight — state decoiler maximum on enquiry
Edge	Mill edge (as rolled) or slit edge
Thickness tolerance	± 0.02 mm
Width tolerance	± 1.0 mm as rolled · ± 0.1–0.3 mm on slit coil
Camber	≤ 5 mm per 2,000 mm
Stacking factor	≥ 0.95 (0.35 mm) · ≥ 0.97 (0.50 / 0.65 mm)
Insulation coating	C5 inorganic (standard) · C6 inorganic-organic · C3 organic on request
Supply forms	Master coil · mill-edge coil · slit coil · cut-to-length sheet

3 · PROCESSING, QUALITY AND DOCUMENTS

Processing • Precision slitting in-house to strip width from 8 mm, ± 0.1–0.3 mm • Cut-to-length sheet from coil • Grade and coating matched to stamping and stress-relief annealing	Inspection per coil • Thickness, width and camber against order • Surface, coating condition and slit-edge burr • Coil label: grade, size, net weight, coil number
Documents • Mill test certificate with measured P1.5/50 and B50 • Packing list, commercial invoice, certificate of origin • Third-party inspection on request	Test & product standards • GB/T 2521.1 · IEC 60404-8-4 · EN 10106 · JIS C 2552 • Epstein frame: IEC 60404-2 / GB/T 3655

4 · PACKING AND SHIPMENT

Packing	Anti-rust paper and stretch film, steel edge protectors and coil-eye protection, steel-strapped to a wooden pallet; eye-to-sky or eye-to-wall
Incoterms	FOB Shanghai or Ningbo · CFR and CIF on request
Lead time	2–4 weeks production · common grades and widths often from stock
Payment	T/T with 30% deposit and balance before shipment, or irrevocable L/C at sight

Request a quote

Send grade, thickness, strip width, coil weight & ID, quantity, application, required standard and destination port.
sales@wuxisteel.cn · WhatsApp +86 133 4810 8252 · cn-electricalsteel.com/crngo-steel-coil/

Data in this sheet are specification limits for ordering reference, not measured values of a specific lot. Values for each delivery are stated on the mill test certificate.