



# RECTANGULAR STRIP LAMINATIONS & EI-STAMPINGS

Material Listing in brief

ISO 9001-2000 certified Company,



## Electronic laboratories

The following materials are regularly available in the form of strips (30mm to 500mm widths), with or without round holes having diameters from 7mm to 20mm.

Tolerance Cutting: ±0.1mm up to 100mm width and ±0.25 up to 500 mm length.

☀ **Annealing:** Though the CRNO-steel material does not generally require annealing, it has been observed that the lowest specified losses for that material are obtained and also the high losses due to mechanical working or other reasons can often be reduced, by annealing.

We have Nitrogen-Annealing facility and we can provide you this service (at an extra price).

☀ **Replacement for CRGO-steel:** If you are using CRGO-steel which is unconfirmed by origin, properties and losses, we recommend you to try materials EIH-240 (0.3mm) and 35H300(0.5mm), from Nippon Steel, Japan. Here you have same thicknesses as CRGO and also low losses. Even though they are a little higher than CRGO, you can compensate by reducing the operating flux density and still get an advantage in the net price.

Note: If an existing design in CRGO-steel is to be replaced, you may have to increase the existing turns or the stack by only about a few percent depending on the margins available in the design.

### DESCRIPTION

Grade : 50H1000, Nippon steel, Japan.  
 Description : CRNO, Thickness 0.5mm  
 Coating : L, suitable for Annealing  
 Coreloss : 6.5/kg to 7.3w/kg @ 1.5T, 50Hz.

Grade : 50H800, Nippon steel, Japan.  
 Description : CRNO, THICKNESS 0.5mm  
 Coating : L, suitable for Annealing  
 Coreloss : 5.6/kg to 6.5w/kg @ 1.5T, 50Hz.

Grade : 50H700, Nippon steel, Japan.  
 Description : CRNO, THICKNESS 0.5mm  
 Coating : L, suitable for Annealing  
 Coreloss : 5.0/kg to 5.8w/kg @ 1.5T, 50Hz.

Grade : 50H600, Nippon steel, Japan.  
 Description : CRNO, THICKNESS 0.5mm  
 Coating : L, suitable for Annealing  
 Core-loss : 4.2/kg to 4.8w/kg @ 1.5T, 50Hz

Grade : 35H300, Nippon steel, Japan.  
 Description : CRNO, THICKNESS 0.35mm  
 Coating : L, suitable for Annealing  
 Coreloss : Less than 2.7w/kg @ 1.5T, 5

Grade : EIH-240, Nippon steel, Japan.  
 Description : CRNO, THICKNESS 0.3mm  
 Coating : L, suitable for Annealing  
 Coreloss : Less than 2.04w/kg @ 1.5T, 50Hz.

### MATERIAL CHARACTERISTICS

Core Loss , DC Hysteresis Loop, DC Magnetization–DC Permeability,

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☀ **Test Report:** Test certificate of the lot from Nippon Steel from which our material is cut is available on request.

☀ **Material Characteristics:** Available on request

☀ **EI-Stampings:** shall be available shortly.

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