



Specialty Nameplate & Manufacturing – Strap & Seal Division

C-CORE BAND *Secure. Precise. Proven.*

U.S.-Made Precision Banding for Transformers & Magnetic Devices

We confine magnetic fields with unbreakable strap, seals, and tools—engineered for vibration, heat, and corrosion in aerospace and power systems.

Materials: Phosphor Bronze • Tin-Coated Steel • Stainless 304/316 • Brass.
All ASTM/MIL/RoHS/REACH/Conflict Minerals compliant.

Part#	Legacy Code	Size	Material	Best For
PB/TC/SS-006-187	1A / 1C / 1D	.006" x .187" x 300'	PB / TC / SS	Tight cores, low-profile
PB/TC/SS-006-375	2A / 2C / 2D	.006" x .375" x 300'	PB / TC / SS	Standard aerospace
TC-012-375	5A	.012" x .375" x 300'	Tin-Coated Steel	Electronics (solderable)
BR-012-375	5B	.012" x .375" x 300'	Brass	Custom/low-voltage
PB-012-375	5C	.012" x .375" x 300'	Phosphor Bronze	High-vibration
SS-012-375	5D	.012" x .375" x 300'	Stainless 304	Marine/high-temp
seal_187/375/500/250	50 / 60 / 63 / 68	Clips (500/box)	Tin-Coated	Secure locking

Femag SNP-PT-C125 Pneumatic Tool

- Tension: 0–125 Kg (linear air-to-force)
- Band: .400" (std) / .500" (opt head) x .012" x 600' coil
- Air: 8 kg/cm²



Why Engineers Choose Us

- **Vibration-Proof:** Phosphor Bronze survives 10M+ cycles (ASTM B103)
- **Solder-Ready:** Tin-Coated passes MIL-STD-202 Method 208
- **One-Stop:** Stock + custom + drawings + certs (CoC/Mill included)



833.565.3346



sales@specialtynp.com



specialtynp.com

Get Banding That Stays Banded

Legal: Customer verifies fit. See full disclaimer.



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C-CORE BAND *Secure. Precise. Proven.*

A "C" core is a piece of magnetic material with high permeability used to confine and guide magnetic fields in transformers, electric motors, generators, and other magnetic devices. We process for stock and supply of specialty hardware, metal strapping and clips for use in the assembly and banding of "C" cores. Materials include tin-coated steel, brass, phosphorous-bronze, and stainless steel. Pneumatic tensioning tools are in stock. Drawings available upon request.

Compliance: All products RoHS, REACH, WEEE, Conflict Minerals compliant.

The customer is responsible for determining the suitability of materials used and assumes all risks resulting from the use of Specialty Nameplate C-Core banding products. All support documents substantiating origin, materials, and processes are maintained on file.

Quick-Reference Legacy Stock Table

Part#	Legacy Code	Size	Material	Tensile (MPa)	Best For
PB-006-187	1A	.006" x .187" x 300'	Phosphor Bronze	550-650	Tight cores
TC-006-187	1C	.006" x .187" x 300'	Tin-Coated Steel	340-410	Solderable
SS-006-187	1D	.006" x .187" x 300'	Stainless 304	505-515	High Temp
PB/TC/SS-006-375	2A / 2C / 2D	.006" x .375" x 300'	All	Varies	Standard
TC-012-375	5A (★)	.012" x .375" x 300'	Tin-Coated Steel	340-410	Electronics
BR-012-375	5B	.012" x .375" x 300'	Brass	350-500	Custom
PB-012-375	5C	.012" x .375" x 300'	Phosphor Bronze	550-650	Vibration
SS-012-375	5D	.012" x .375" x 300'	Stainless	505-515	High-temp
PB/BR/SS-012-500	6A / 6B / 6C	.012" x .500" x 200'	All	Varies	Heavy-duty
seal_187x250	50	.187" x .250" (500/box)	Tin-Coated	—	Locking
seal_375x375	60	.375" x .375" (500/box)	Tin-Coated	—	Standard
seal_500x500	63	.500" x .500" (500/box)	Tin-Coated	—	Large
seal_375x250	68	.375" x .250" (500/box)	Tin-Coated	—	Compact locking

★ Item 5A = TC-012-375 – Hot-dip tin per MIL-T-10727C Type II, ASTM B339

Need Custom? Email specs/drawings to sales@specialtynp.com



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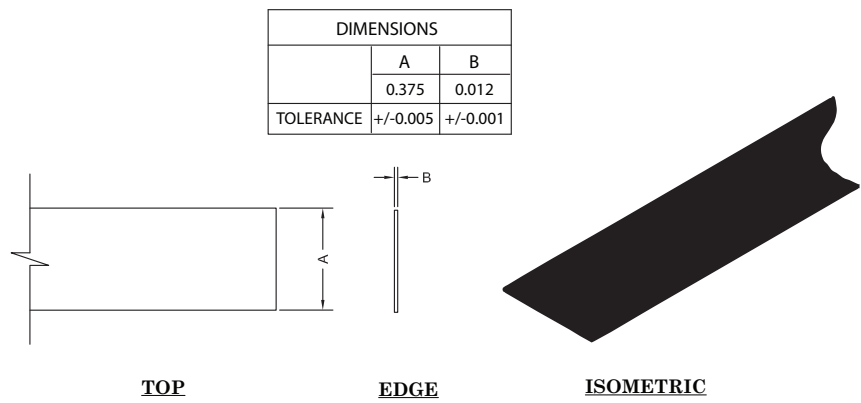
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Material Deep-Dive



Tin-Coated Cold Rolled Steel (TC-012-375 Focus)

- Base: Cold-rolled steel 1010; low carbon/full hard per ASTM A109
- Coating: 100% pure tin, hot-dip per MIL-T-10727C Type II both sides
- Solderability: MIL-STD-202 Method 208
- Reasons to Choose: Cost-effective, conductive, corrosion-resistant
- Reasons Not: Limited >200°C, high-vibration without reinforcement



Phosphor Bronze (ASTM B103)

- Fatigue champ; 550–650 MPa; ideal aerospace

Stainless 304/316 (ASTM A240 / AMS5513)

- 304 for outdoor / industrial strength / high heat
- 316 for marine chloride resistance

Brass (60/40 Cu-Zn)

- Malleable, conductive for custom

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PB-006-187	1A	.006" x .187" x 300'	Phosphor Bronze	550–650	Tight cores
TC-006-187	1C	.006" x .187" x 300'	Tin-Coated Steel	340–410	Solderable
SS-006-187	1D	.006" x .187" x 300'	Stainless 304/316	505–515	Marine
PB/TC/SS-006-375	2A / 2C / 2D	.006" x .375" x 300'	All	Varies	Standard
TC-012-375	5A	.012" x .375" x 300'	Tin-Coated Steel	340–410	#1 Electronics
BR-012-375	5B	.012" x .375" x 300'	Brass	350–500	Custom
PB-012-375	5C	.012" x .375" x 300'	Phosphor Bronze	550–650	Vibration
SS-012-375	5D	.012" x .375" x 300'	Stainless	505–515	High-temp
PB/BR/SS-012-500	6A / 6B / 6C	.012" x .500" x 200'	All	Varies	Heavy-duty
seal_187x250	50	.187" x .250" (500/box)	Tin-Coated	—	Locking
seal_375x375	60	.375" x .375" (500/box)	Tin-Coated	—	Standard
seal_500x500	63	.500" x .500" (500/box)	Tin-Coated	—	Large
seal_375x250	68	.375" x .250" (500/box)	Tin-Coated	—	Compact locking

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