



nameplate & mfg. inc.

CoreTight™
PRECISION METAL BANDING & SEALS

PRODUCT FAMILY DATASHEET

BRASS BANDING STRAPS

C26000 Cartridge Brass · Half-Hard Temper



MADE IN THE USA

DFARS COMPLIANT

RoHS 3 / REACH

WOSB CERTIFIED

BRASS BANDING STRAPS

C26000 Cartridge Brass · Half-Hard Temper

1 Product Description

CoreTight™ brass banding straps are precision metal strapping used to mechanically retain magnetic-component assemblies — C-core and cut-core transformers, inductors, reactors, and stacked magnetic or electronic assemblies. Applied with a pneumatic tensioning tool and secured with a matching formed seal, the strap holds controlled circumferential compression on the core stack to resist movement, vibration, and separation during handling, assembly, potting, and thermal cycling.

Brass is selected where a non-magnetic, readily formable strap with good electrical conductivity is preferred — typically custom and lower-voltage assemblies. Strap, seal, and pneumatic tool are designed to function as one integrated banding system.

2 Material & Metallurgy

Alloy	C26000 cartridge brass — nominal 70% copper / 30% zinc (Cu-Zn)
Temper	Half-hard (H02)
Governing material spec	ASTM B36 / B36M (copper-alloy strip)
Finish	Bare / uncoated — no plated coating

Typical properties (representative for C26000 in the half-hard temper; actual chemical and mechanical results are reported on the material certification supplied with each lot):

Property	Typical value
Nominal composition	Cu 68.5–71.5%, Zn balance
Tensile strength	~57–74 ksi (395–510 MPa)
Yield strength (0.5% ext.)	~50 ksi (345 MPa), typical
Elongation (2 in.)	Gauge / temper dependent
Hardness	~ Rockwell B60–78
Electrical conductivity	~28% IACS
Density	0.308 lb/in ³ (8.53 g/cm ³)

3 Dimensions & Available Sizes

Part Number	Legacy	Thickness	Width	Roll Length	Temper
BR-012-375	5B	0.012"	0.375"	300 ft	Half-hard
BR-012-500	6B	0.012"	0.500"	300 ft	Half-hard

Tolerances: width ± 0.005 " · thickness ± 0.001 ". Custom sizes, tempers, and materials are available on request.

4 Finish

Supplied bare (uncoated C26000). No plated coating is applied. The copper-zinc alloy carries inherent corrosion resistance, so brass strap has no defined shelf life under normal storage conditions.

5 Compliance & Traceability

Country of origin	Made in the USA — Hubbard, OH
Regulatory	RoHS 3 compliant · REACH screened (253 SVHC) · WEEE · Conflict Minerals addressed

Defense / trade	DFARS 252.225-7014 specialty-metals exempt (commercial item) · ECCN EAR99
Federal identifiers	CAGE 8GNP1 · DLA NSN 5935-01-451-1377 · JCP / DD-2345 · CMMC Level 1
Quality system	QM001 Rev E (ISO 9001-based)
Business status	WOSB · WBENC certified
Traceability	Certificate of Conformance and mill / heat certifications available with shipment; lot-controlled to aerospace and defense requirements.

6 Packaging

Supplied as coils in self-dispensing cartons. Each carton is labeled with part number, dimensions, material and temper, and lot identification for full traceability.

7 Ordering Information & Notes

- Part numbers follow the format [Material]-[Thickness]-[Width]; brass straps carry the BR prefix.
- Full engineering drawings are available upon request.
- Custom sizes, tempers, seals, and pneumatic / manual tooling available.

The customer is responsible for determining the suitability of the product for its application and assumes all risk resulting from its use. Properties stated are typical for the alloy and temper and are provided for reference only; refer to the material certification supplied with each lot for actual values. All documents substantiating origin, materials, and processes are maintained on file.