

INCH-POUND

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SUPERSEDING

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## DETAIL SPECIFICATION

### GROUNDING STRAPS AND STUDS, ELECTRICAL BONDING

This specification is approved for use by the Naval Sea Systems Command and is available for use by all Departments and Agencies of the Department of Defense.

#### 1. SCOPE

1.1 Scope. This specification covers the general requirements and tests for MIL-STD-1310 grounding straps and welding studs for electrical bonding, hereafter identified as bond straps and bosses, used in electromagnetic compatibility (EMC), electromagnetic pulse (EMP) mitigation, and electrical safety.

1.2 Classification. The bond straps and bosses contained in this specification are classified into the following types, meeting general characteristics as follows (see 6.1 and 6.2).

##### 1.2.1 Bond strap types.

- a. Type I – Corrosion-resistant steel (CRES) 316 wire rope with mounting lugs
- b. Type II – Flat CRES 316 strip with mounting holes on each end
- c. Type III – Flat copper strip with mounting holes on each end
- d. Type IV – Flat CRES 316L/nickel 200 braid with mounting lugs

##### 1.2.2 Boss types.

- a. AL – Aluminum/CRES 316L
- b. AL-SGC – Aluminum/CRES 316L stud gun compatible
- c. CR – CRES 316L
- d. CR-SGC – CRES 316L stud gun compatible

Comments, suggestions, or questions on this document should be addressed to: Commander, Naval Sea Systems Command, ATTN: SEA 05S, 1333 Isaac Hull Avenue, SE, Stop 5160, Washington Navy Yard DC 20376-5160 or emailed to [CommandStandards@navy.mil](mailto:CommandStandards@navy.mil), with the subject line "Document Comment". Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at <https://assist.dla.mil>.

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