

OCEAN ENGINEERING DIVISION
UNITED STATES COAST GUARD
WASHINGTON D.C.

SPECIFICATION FOR
AIDS TO NAVIGATION BIRD SPRINGS

CHANGE 1 TO
SPECIFICATION G-SEC-342A

1. Figure 1. Change the PITCH from “0.0270 +/- 0.010 inches” to “0.270 +/- 0.010 inches”.

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4/10/01
Date

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AIDS TO NAVIGATION BIRD SPRINGS

SPECIFICATION G-SEC-342A

1. SCOPE

1.1 Purpose. This specification establishes the requirements for the construction of a helical spring to be used for preventing birds from perching on aids to navigation which are operated and maintained by the U.S. Coast Guard.

1.2 Precedence. Any ambiguity or conflict between the following documents shall be resolved by utilizing the following precedence:

- a. This specification.
- b. Applicable documents.

2.0 APPLICABLE DOCUMENTS.

2.1 Federal Specifications.

QQ-S-763F Steel Bars, Wires, Shapes and Forgings, Corrosion Resisting
27 Jun 96

3. REQUIREMENTS.

3.1 General. The aids to navigation bird springs shall be fabricated of stainless steel as shown in Figure 1.

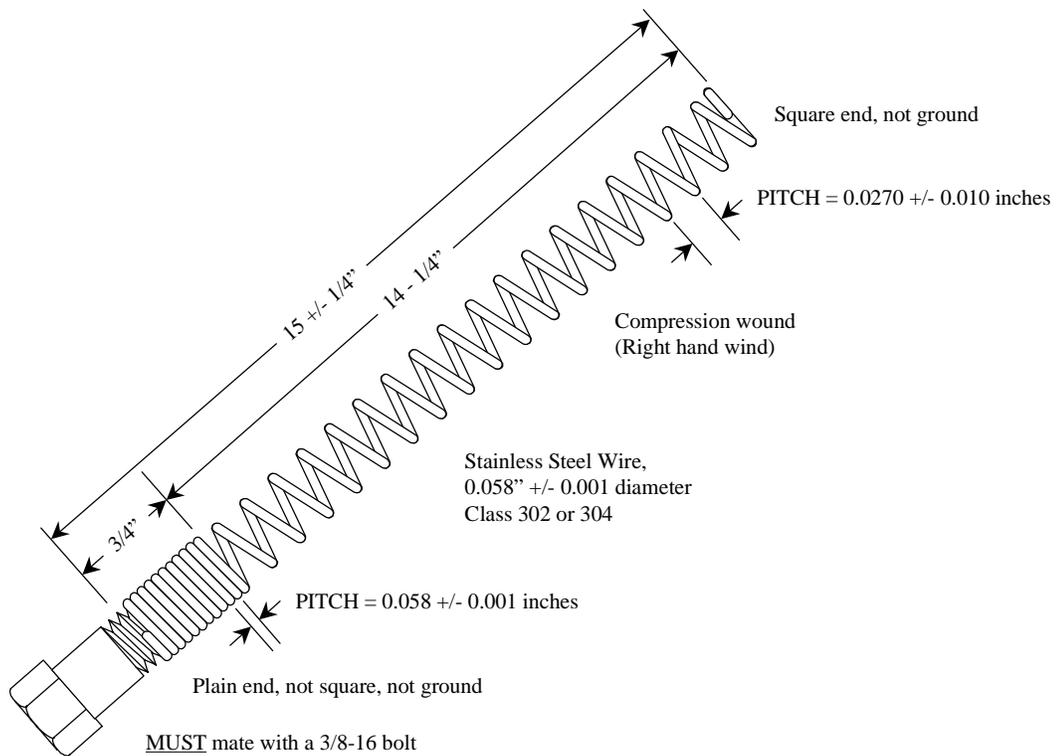


Figure 1

3.2 Material.

3.2.1 Stainless Steel Wire. All stainless steel wire shall meet the requirements of Federal Specification QQ-S-763F, class 302 or 304.

3.2.2 Certificate of Conformance. The Contractor shall furnish a certificate of conformance, either from the material manufacturer or a reputable engineering laboratory, to certify that the materials used in the construction of the bird springs meet the requirements of paragraph 3.2.1.

3.2.3 Shrinkable Tubing. A section of ½” ID black ultraviolet-stabilized heat shrink tubing shall be slipped over the non-threaded end of the spring and then heat shrunk to form a snug form-fitting non-removable “skin” over the spring, as shown in Figure 2. After heat shrinking, the tubing shall extend 6 +/- ¼” from the non-threaded end of the spring.

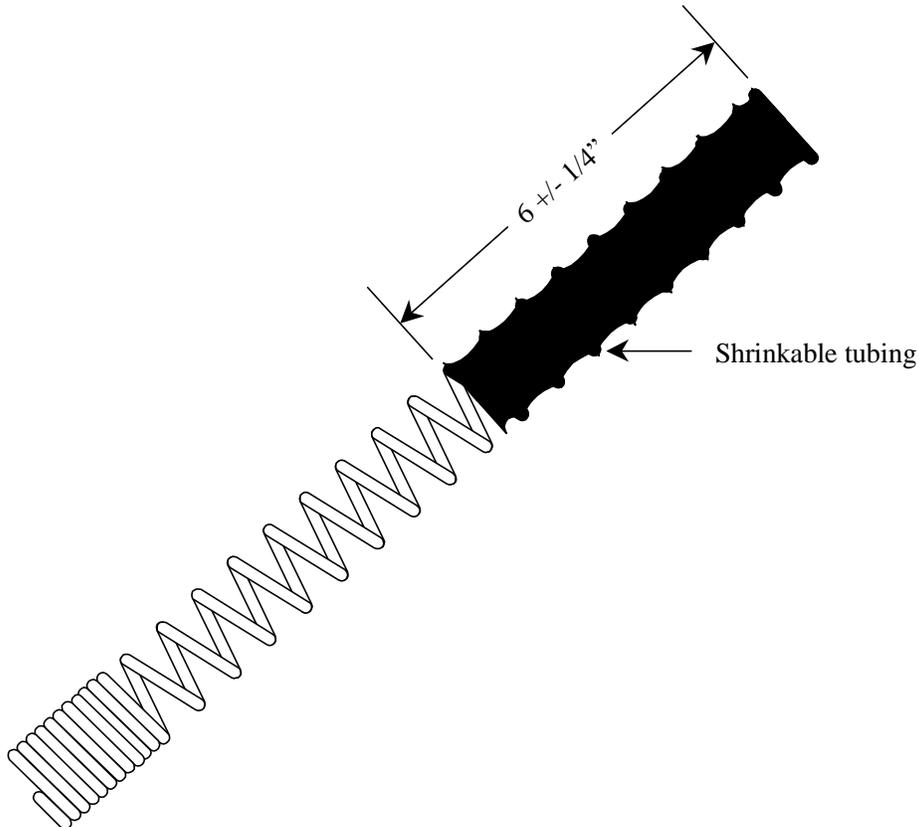


Figure 2

4. QUALITY ASSURANCE PROVISIONS.

4.1 Production Inspection. The Contractor shall conform to the requirements of section H of the Solicitation/Contract.

5. PREPARATION FOR DELIVERY

5.1 Packaging. Springs shall be bundled in groups of 25 and packaged in accordance with section D of the Solicitation/Contract.

5.2 Marking. Marking shall be in accordance with section D of the Solicitation/Contract. The National Stock Number (NSN) is CG5360-01-100-3111.

Specification G-SEC-342A
Aids to Navigation Bird Springs

February 1999

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