

INCH-POUND

MIL-DTL-15021B
w/AMENDMENT 1
13 May 2025
SUPERSEDING
MIL-DTL-15201B
3 September 2014

DETAIL SPECIFICATION

HOOKS, SNAP BOLT, SWIVEL-EYE, AND RINGS

This specification is approved for use by all Departments
and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification covers snap bolt, swivel-eye hooks and rings for application requiring rapid attachment and easy detachment for temporary fastenings (see 6.1).

1.2 Classification. Snap bolt hooks may be of the following types, as specified (see 6.2):

Type I – Regular

Type II – Quick-acting

2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3 and 4 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements of documents cited in sections 3 and 4 of this specification, whether or not they are listed.

2.2 Non-Government publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract.

AMERICAN SOCIETY FOR QUALITY (ASQ)

ASQ Z1.4 - Sampling Procedures and Tables for Inspection by
Attributes.

Comments, suggestions, or questions on this document should be addressed to: DLA Land and Maritime, Attn: VAI, P.O. Box 3990, Columbus, OH 43218-3990, or emailed to FluidFlow@dla.mil. 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/>.

AMSC N/A

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FSC 5340



(Copies of this document are available from www.asq.org American Society for Quality Control, 600 North Plankinton Avenue, Milwaukee, WI 53203.)

2.3 Order of precedence. Unless otherwise noted herein or in the contract, in the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 Material.

3.1.1 Snap hooks and rings. Snap hooks and rings shall be made of brass.

3.1.2 Snap hook spring. Snap hook springs shall be made of corrosion resistant material.

3.2 Type I – Regular.

3.2.1 Snap Hooks. Regular snap hooks shall be of the size and shape shown on Figure 1. They shall be operated by forcing back the bolt-snap against a substantial spring and releasing it to close over the ring.

3.2.2 Swivel Eye. Snap hooks shall have a nominal 0.750 inch round swivel eye, conforming in size and shape to the dimensions shown on Figure 1. The greatest width of the swivel eye shall be at the point shown on Figure 1.

3.2.3 Rings. Unless otherwise specified, regular snap hooks shall be provided with a seamless ring, round in cross section and of the dimensions shown on Figure 2.

3.2.4 Tolerances.

3.2.4.1 Snap Hooks. A tolerance of plus or minus 0.063 inch will be permitted in the length of the hooks. On all other dimensions except the swivel eye a tolerance of plus or minus 5 percent will be permitted.

3.2.4.2 Swivel Eye. The dimensions of the swivel eye shown on Figure 1 shall not be exceeded by more than 0.031 inch.

3.3 Type II – Quick-acting.

3.3.1 Snap Hooks. Quick-acting snap hooks shall be of the size and shape shown on Figure 3. The snap hook shall be provided with a bolt snap and substantial spring. The jaws shall be of the proper contour and finish to permit easy engagement with the ring.

3.3.2 Swivel Eye. Snap hooks shall have a nominal 0.750 inch round swivel eye, conforming in size and shape to the dimensions shown on Figure 3. The greatest width of the swivel eye shall be at the point shown on Figure 3.

3.3.3 Rings. The rings shall be as specified in 3.2.3

3.3.4 Tolerances.

3.3.4.1 Snap hooks. The tolerances for quick-acting snap hooks shall be as specified in 3.2.4.1.

3.3.4.2 Swivel eye. The dimensions of the swivel eye shown on Figure 3 shall not be exceeded by more than 0.031 inch.

3.4 Workmanship. Snap hooks and rings shall be of good workmanship and free from defects and flaws which may affect the appearance or serviceability.

MIL-DTL-15021B
w/AMENDMENT 1

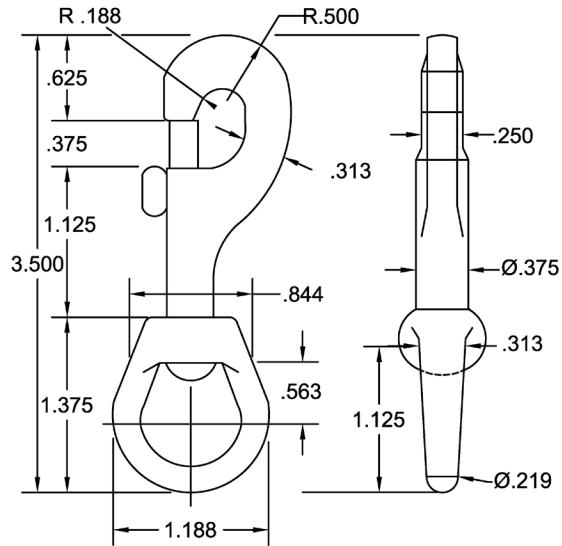


FIGURE 1. TYPE I REGULAR.

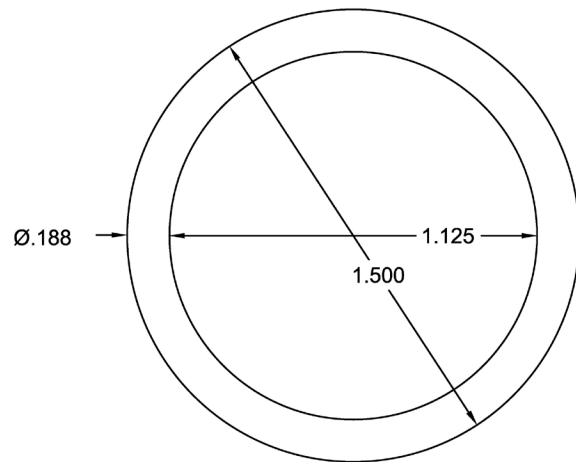


FIGURE 2. RING

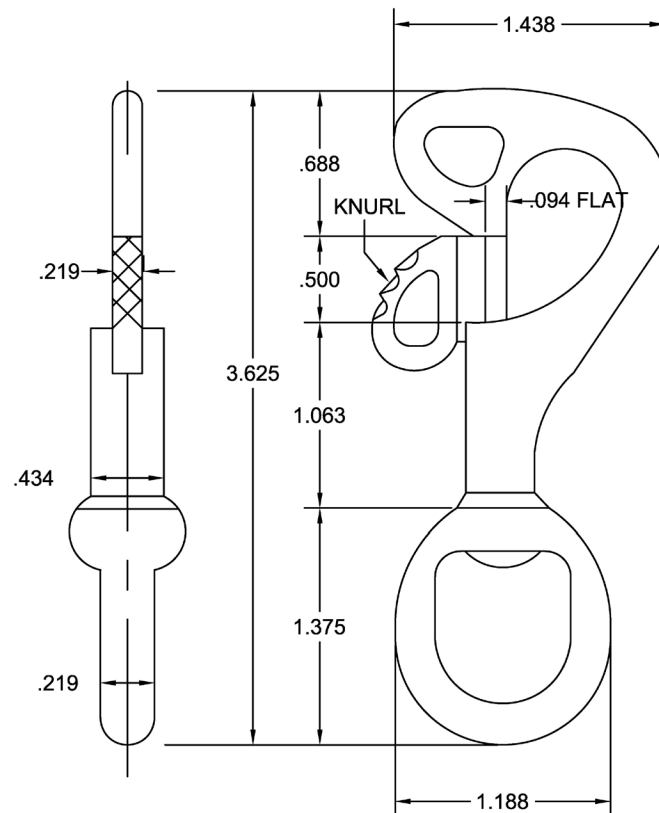


FIGURE 3. TYPE II QUICK ACTING

4. VERIFICATION

4.1 Conformance inspection. Conformance inspection shall include the following.

4.2 Inspection lot. All hooks and rings of the same type presented at one time shall be considered a lot for purposes of acceptance inspection.

4.3 Sampling for lot inspection.

4.3.1 Sampling for inspection of major defects. A random sample of hooks and rings shall be selected from each inspection lot of material offered for Government inspection of visual and dimensional characteristics with lot acceptance based on the Table I sampling inspection requirements in accordance with ASQ Z1.4.

TABLE I. Sampling for Visual and Dimensional Inspection.

Number of hooks and rings in inspection lot	Number of hooks and rings in sample
1 to 10	All
11 to 25	10
26 to 50	15
51 to 100	20
101 to 200	30
201 to 300	40
301 to 500	55
501 to 800	75
801 to 1300	115
1301 to 3200	150
3201 and over	225

4.3.2 Sampling for inspection of minor defects. Sampling inspection for minor defects shall be in accordance with ASQ Z1.4 utilizing Inspection Level II.

4.4 Inspection.

4.4.1 Visual and dimensional inspection. Each of the sample hooks and rings selected in accordance with Table I and 4.3.2 shall be visually and dimensionally inspected by the Government inspector to verify compliance with this specification. Material defects such as pits, cracks, seams, and rough surfaces; the thickness of stressed sections, width of opening, free action of the swivel eye and the bolt, the spring characteristic, and knurling are considered of major importance. Any hooks and rings in the sample containing one or more visual or dimensional defects shall be rejected.

5. PACKAGING

5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When packaging of materiel is to be performed by DoD or in-house contractor personnel, these personnel need to contact the responsible packaging activity to ascertain packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activities within the Military Service or Defense Agency, or within the military service's system commands. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use.

6.1.1 Type I regular snap bolt hooks are for general purpose use and for use with flags except signal flags and pennants.

6.1.2 Type II quick-acting snap bolt hooks with rings are for use with all signal flags and pennants.

6.2 Acquisition requirements. Acquisition documents should specify the following:

- a. Title, number and date of this specification.
- b. Type of snap bolt hook required (see 1.2).
- c. Applicable part number.
- d. Packaging requirements (see 5.1).

6.3 Subject term (key word) listing.

Brass
Quick-acting
Regular

6.4 Amendment notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

CONCLUDING MATERIAL

Custodians:

Army - AR
Navy – SH
DLA - CC

Preparing activity:

DLA - CC

(Project 5340-2025-012)

Review activities:

Army – GL
Navy – MC, SA