

INCH POUND

MIL-DTL-32077B  
23 January 2018  
SUPERSEDING  
MIL-DTL-32077A  
16 April 2008

## DETAIL SPECIFICATION

### HORN, FLYER'S RELIEF TUBE

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

#### 1. SCOPE

1.1 Scope. This specification covers one type of flyer's relief tube horn.

#### 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 the documents cited in sections 3 and 4 of this specification, whether or not they are listed.

#### 2.2 Government documents.

2.2.1 Specifications, standards, and handbooks. The following standards 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.

#### DEPARTMENT OF DEFENSE STANDARDS

MIL-STD-130 - Identification Marking of U.S. Military Property  
MIL-STD-1916 - DoD Preferred Methods for Acceptance of Product

(Copies of these documents are available online at <http://quicksearch.dla.mil>.)

Comments, suggestions, or questions on this document should be addressed to DLA Aviation, ATTN: DLA-VEB, 8000 Jefferson Davis Highway, Richmond, VA 23297-5616 or e-mailed to [STDZNMGT@dlamail](mailto:STDZNMGT@dlamail). 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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2.3 Non-Government publications. The following document forms a part of this document to the extent specified herein. Unless otherwise specified, the issue of this document is that cited in the solicitation or contract (see [6.2](#)).

AMERICAN SOCIETY FOR QUALITY

ASQ H1331 - Zero Acceptance Number Sampling Plans

(Copies of this document are available online at <https://asq.org/>.)

2.4 Order of precedence. Unless otherwise noted herein or in the contract, in the event of conflict between the text of this document and the references cited herein, the test 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 First article. When specified (see [6.2](#)), samples (see [4.2.1](#)) shall be subjected to first article inspection in accordance with [4.2](#).

3.2 Material. The material shall be Maxxam FR PE 152 polyethylene or equal.

3.3 Color. Unless otherwise specified, the color shall be black (see [6.2](#)).

3.4 Finish. Remove all burrs and sharp edges (see [4.5](#)).

3.5 Dimensions. All dimensions shall be in accordance with [figure 1](#).

4. VERIFICATION

4.1 Classification of inspections. The inspection requirements specified herein are classified as follows:

- a. First article inspection (see [4.2](#)).
- b. Conformance inspection (see [4.3](#)).

4.2 First article inspection. The horns shall be inspected to insure conformance to the dimensions in [4.4](#) and examinations specified in [4.5](#). The presence of any non-conforming dimension or any defect shall be cause for rejection of the first article.

4.2.1 First article sample size. The sample size shall be as specified in the solicitation or contract (see [6.2](#))

4.3 Conformance inspection. The horns shall be inspected to insure conformance to the dimensions in [4.4](#) and examinations specified in [4.5](#). Sampling shall be to an “accept at zero”

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(c=0) sampling plan such as MIL-STD-1916 at verification level (VL) of IV or ASQ H1331 at an acceptance quality level (AQL) of 0.10, unless otherwise specified in the contract.

4.4 Dimensions. All dimensions shall be in accordance with [figure 1](#).

4.5 Examinations. The horns shall be visually examined to insure the absence of burrs, cracks, warping, and sharp edges.

## 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 requisite 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 command. 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. This specification is intended for use in procuring flyer's relief tube horns used for the personal relief of aircraft crewmembers.

6.2 Acquisition requirements. Acquisition documents should specify the following:

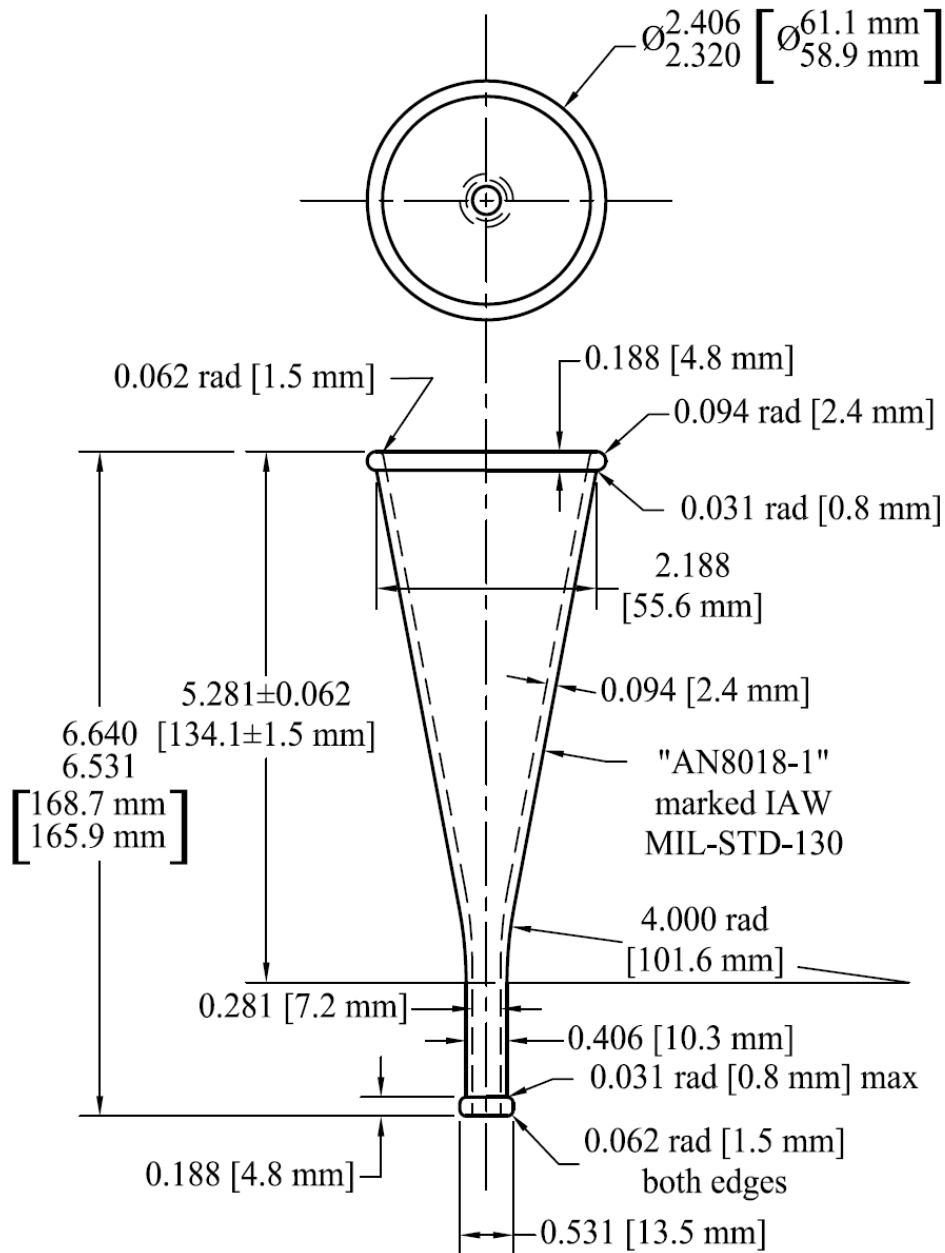
- a. Title, number, and date of this specification.
- b. Color (see [3.3](#)).
- c. Tolerances (see [3.5](#)).
- d. First article sample size (see [4.2.1](#)).
- e. Packaging (see [5](#)).
- f. Revision of referenced documents (see [2.2.1](#) and [2.3](#))

6.3 Subject term (key word) listing.

Aircraft  
Maxxam  
Personal

6.4 Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

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## NOTES:

1. Tolerances:  $\pm 0.031$  [ $0.8$  mm] unless otherwise specified on this figure or in the solicitation, contract, or order (see 6.2).
2. Dimensions are in inch-pound.
3. Millimeters equivalent are given for information only.

FIGURE 1. Horn, flyer's relief tube.

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Custodians:

Army – AV  
Navy – AS  
Air Force – 99  
DLA – GS

Preparing Activity:

DLA – GS8

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Reviewer:

Air Force – 71

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