

INCH-POUND

A-A-52406

August 6, 1992

COMMERCIAL ITEM DESCRIPTION

CLAMP, LOOP, MUFFLER

The General Services Administration has authorized the use of this commercial item description (CID) as a replacement for MS52150, which is canceled.

1. Abstract. This CID covers one type of muffler clamp of many different sizes. Each clamp consists of one U-bolt threaded on both ends, a saddle, two hexagon nuts, and two lockwashers. Clamps are made in standard duty and/or heavy duty versions, depending on their size. Standard duty clamps are available with saddles of four different styles whereas heavy duty clamps are available with only one saddle style.

2. Salient characteristics.

2.1 Material. The materials shall be as specified in the following. The use of recovered material made in compliance with regulatory requirements is acceptable providing that all requirements of this CID are met (see 5.5).

2.1.1 U-bolt. The U-bolt shall be constructed from carbon steel per ASTM A575, h.r., C1010-C1025 de-scaled or ASTM A108, c.f., C1010-C1025.

2.1.2 Saddle. The saddle shall be fabricated from 13 gage minimum thickness low carbon sheet or strip steel, per QQ-S-698, h.r.p. & o., or c.r. temper 2 to 5.

2.1.3 Hexagon nuts. Hexagon nuts shall be grade A steel, per FF-N-836, type II, style 4.

2.1.4 Lockwashers. Lockwashers shall be carbon steel, per FF-W-84, class A, style 2.

Beneficial comments, recommendations, additions, deletions clarifications, etc. and any other data which may improve this document should be sent by letter to: U.S. Army Tank-Automotive Command, ATTN: AMSTA-GDS, Warren, MI 48397-5000.

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DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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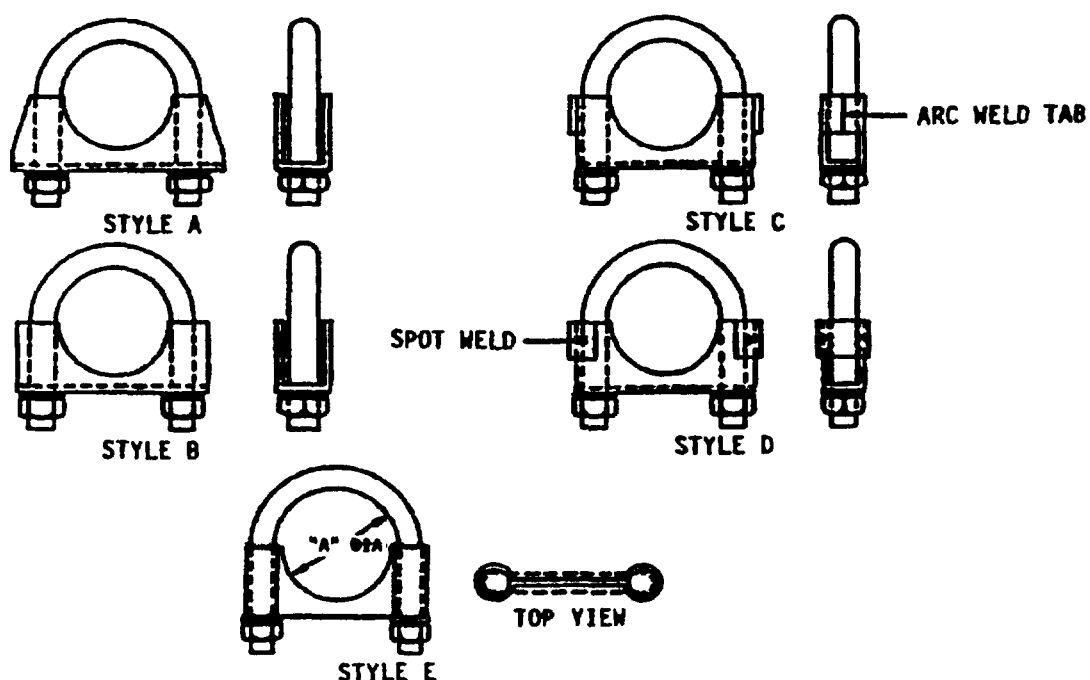


TABLE I. Clamp size, duty, style and cross reference to form in MS part number.

PIN No. A52406	"A" dia.	Duty/ Style	Former MS part no. MS52150	PIN No. A52406	"A" dia.	Duty/ Style	Former MS part no. MS52150	PIN No. A52406	"A" dia.	Duty/ Style	Former MS part no. MS52150
-1	1-1/8	S/A-D	-1	-15	2-7/8	S/A-D	-15	-29	2-1/8	H/E	-29
-2	1-1/4	S/A-D	-2	-16	3	S/A-D	-16	-30	2-1/4	H/E	-30
-3	1-3/8	S/A-D	-3	-17	3-1/4	S/A-D	-17	-31	2-1/2	H/E	-31
-4	1-1/2	S/A-D	-4	-18	3-1/2	S/A-D	-18	-32	2-3/4	H/E	-32
-5	1-5/8	S/A-D	-5	-19	3-3/4	S/A-D	-19	-33	3	H/E	-33
-6	1-3/4	S/A-D	-6	-20	4	S/A-D	-20	-34	3-1/4	H/E	-34
-7	1-7/8	S/A-D	-7	-21	4-3/8	S/A-D	-21	-35	3-1/2	H/E	-35
-8	2	S/A-D	-8	-22	4-1/2	S/A-D	-22	-36	3-7/8	H/E	-36
-9	2-1/8	S/A-D	-9	-23	5	S/A-D	-23	-37	4	H/E	-37
-10	2-1/4	S/A-D	-10	-24	1-1/2	H/E	-24	-38	4-3/8	H/E	-38
-11	2-3/8	S/A-D	-11	-25	1-5/8	H/E	-25	-39	4-1/2	H/E	-39
-12	2-1/2	S/A-D	-12	-26	1-3/4	H/E	-26	-40	5	H/E	-40
-13	2-5/8	S/A-D	-13	-27	1-7/8	H/E	-27	-41	5-1/2	H/E	-41
-14	2-3/4	S/A-D	-14	-28	2						

NOTES:

- "A" diameter is nominal pipe diameter.
- PIN number and former MS part number will include duty and style.
EXAMPLE: A52406-1SA or MS52150-1SA.
- "S" specifies standard duty clamp. "H" specifies heavy duty clamp.
- Styles "A" through "D" are available in standard duty only. Style "E" is available in heavy duty only.
- Unless otherwise specified, dimensions are in inches and tolerance is $\pm 1/64$ on fractions.

FIGURE 1. Clamp, loop, muffler.

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2.2 Design and construction. The muffler loop clamp shall be designed and constructed in accordance with figure 1.

2.3 Identification markings. Identification marking shall be permanent and legible in accordance with MIL-STD-130 and shall include the manufacturer's identification code (CAGE) and the part identification number (PIN).

2.4 Workmanship. Workmanship shall be in accordance with the manufacture of high quality clamps. This shall be evidenced by the absence of any defects which are detrimental to their appearance or serviceability, such as; burrs, sharp edges, presence of foreign material, or missing parts.

3. Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this commercial item description and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices. Items with known defects shall not be submitted for Government acceptance. The Government reserves the right to require proof of such conformance prior to the first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

4. Preservation, packaging, packing, labeling, and marking. Preservation, packaging, packing, labeling, and marking for the desired level shall be as specified in the contract (see 5.2).

5. Notes.

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

5.1 Addresses for obtaining copies of referenced documents.

5.1.1 Government documents. FF-N-836 "Nut: Square, Hexagon Cap, Slotted, Castle Knurled, Welding and Single Ball Seat"; FF-W-84 "Washer, Lock (Spring)"; QQ-S-698 "Sheet Steel and Strip, Low Carbon"; FED-STD-H28/2 "Screw-Thread Standards for Federal Services"; and MIL-STD-130 "Identification Marking of U.S. Military Property"; are available from the Navy Publications and Printing Service Office, Standardization Documents Order Desk, Bldg. 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

5.1.2 Non-Government publications. ASTM A108 "Standard Specification for Steel Bars, Carbon, Cold Finished, Standard Quality", ASTM A575 "Standard Specifications for Steel Bars, Carbon, Merchant Quality, M-Grades", and ASTM E380 "Standard Practices for Use of the International System of Units" are available from the American Society for Testing and Materials (ASTM), 1916 Race Street, Philadelphia, PA 19103.

5.2 Ordering data. Acquisition documents must specify the following:

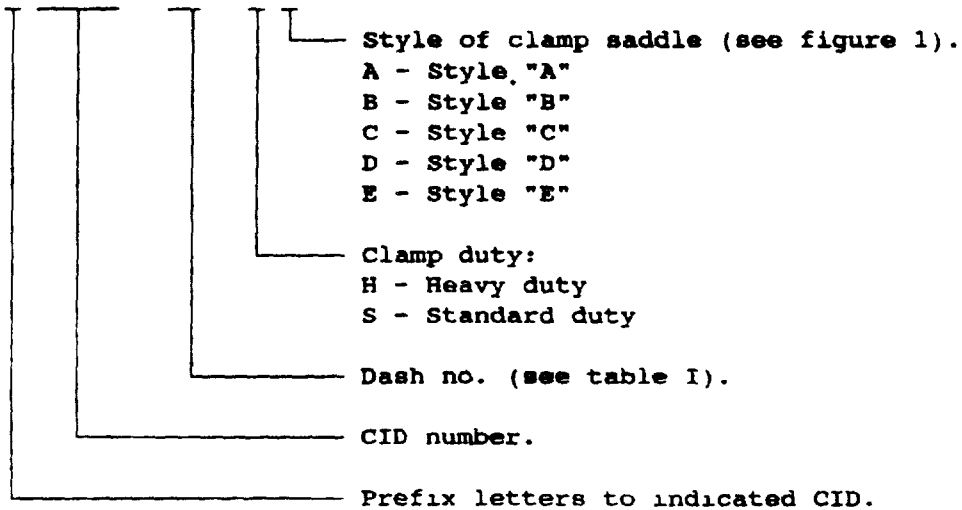
- a. Title, number, and date of this CID.
- b. Clamp size, duty, style, and PIN (see figure 1).
- c. Issue of the Department of Defense Index of Specifications and Standards (DODISS) to be cited in the solicitation and the specific issue of individual documents referenced (see 5.1).
- d. Selection of applicable level and packaging requirements (see 4).

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5.3 Cross-reference data. Clamps conforming to this document are interchangeable/substitutable with clamps conforming to MS52150. The PIN dash number and the MS dash number are the same.

5.4 Part or identification number (PIN). The PIN to be used for clamps acquired to this CID is created as follows:

A 52406 - XX - X X



5.5 Regulatory requirements. The offeror/contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum extent practicable.

5.6 Metric product. Light filters that are to metric dimensions will be considered on the following basis:

a. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, provided they fall within specified tolerances using conversion tables contained in the latest revision of ASTM E380, and all other requirements of this CID are met.

b. If a product is manufactured to metric dimensions and those dimensions exceed the tolerances specified in the inch-pound units, a request should be made to the contracting officer to determine if the product is acceptable.

c. The contracting officer has the option of accepting or rejecting the product.

Custodians:

Army - AT
Air Force - 99

Preparing activity:

Army - AT

(Project 5340-2071)

Review activity:

Air Force - 82

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

- 1 The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
- 2 The submitter of this form must complete blocks 4, 5, 6, and 7
- 3 The preparing activity must provide a reply within 30 days from receipt of the form

NOTE. This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements. FSC 5340

1. RECOMMEND A CHANGE:		1. DOCUMENT NUMBER A-A-52406	2. DOCUMENT DATE (YYMMDD) 92/08/06
3. DOCUMENT TITLE Clamp, Loop, Muffler			
4. NATURE OF CHANGE (Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed)			
5. REASON FOR RECOMMENDATION			
6. SUBMITTER			
a. NAME (Last, First, Middle Initial)		b. ORGANIZATION	
c. ADDRESS (Include Zip Code)		d. TELEPHONE (Include Area Code)	
		(1) Commercial (2) AUTOVON (If applicable)	
		7. DATE SUBMITTED (YYMMDD)	
8. PREPARING ACTIVITY			
a. NAME		b. TELEPHONE (Include Area Code)	
		(1) Commercial (2) AUTOVON (313) 574-5413 786-5413	
c. ADDRESS (Include Zip Code)		IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT	
COMMANDER U.S. ARMY TANK - AUTOMOTIVE COMMAND ATTN: AMSTA-GDS WARREN, MICHIGAN 48397-5000		Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466 Telephone (703) 756-2340 AUTOVON 289-2340	