

[METRIC]
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 SUPERSEDING
 MIL-H-13568B(ME)
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COMMERCIAL ITEM DESCRIPTION

HOOKS, HOIST (REGULAR EYE)

The General Services Administration has authorized the use of this commercial item description (CID) for all federal agencies.

1. SCOPE. This CID covers a forged-steel, regular eye, hoist hook with safety latch. The hoist hook is intended for use in cargo handling, including the hoisting of conex metal shipping boxes.
2. CLASSIFICATIONS. Hooks shall be of the following sizes as specified (see 7.2).

Size	Safety Working Loads	
	Megagrams (mg)	Short tons (st)
1-1/2	1.36	1.5
2	1.81	2
2-1/2	2.27	2.5
3	2.72	3
5	4.54	5
8-1/2	7.71	8.5
12-1/2	11.34	12.5
15	13.61	15

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 and Armaments Command, ATTN: AMSTA-TR-E/BLUE, Warren, MI 48397-5000.

ASMC N/A

FSC 4030

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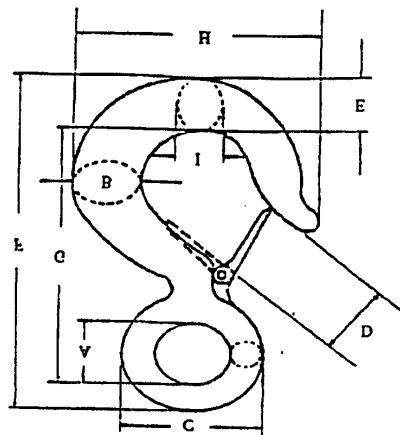
3. SALIENT CHARACTERISTICS

3.1 Material. Unless otherwise specified herein, the material used shall be in accordance with the manufacturer's material specifications, and shall be subjected to all provisions of this CID. The use of recovered material made in compliance with regulatory requirements is acceptable providing that all requirements of this CID are met (see 4.1).

3.1.1 Steel. Hooks shall be forged from steel conforming to ASTM A711. Grade of steel shall be selected by the contractor and shall be heat treated to meet the proof and ultimate strength load specified (see 3.3).

3.1.2 Safety latch. Hooks shall have a safety closure device constructed of noncorrosive metal parts or treated parts that provide a minimum corrosion resistance equal to or greater than that provided by ASTM A153 zinc coating on steel.

3.2 Design and construction. Hooks shall be designed and constructed in accordance with Figure 1. This CID is not intended to limit construction to features other than as shown herein by dimensions, notations and referenced documents.



NOTES:

1. Tolerance ± 3.3 mm (.13) sizes 38.1 (1.5) through 127 (5)
2. Tolerance ± 6.35 mm (.25) sizes 215.9 (8.5) through 381 (15)

FIGURE 1. Hooks, hoist (regular eye).

Size No.	Dimensions in millimeters (inches)										Max. wt. kilograms (pounds)
	A	B	C	D	E	F	G	H	I		
38.1 (1-2)	22.2 (7/8)	35.1 (1-3/8)	58.7 (2-5/16)	31.8 (1-1/4)	28.7 (1-1/8)	161.5 (6-23/64)	120.7 (4-3/4)	105.6 (4-5/32)	22.4 (7/8)	0.91 (2)	
50.8 (2)	28.6 (1-1/8)	37.3 (1-15/32)	73.2 (2-7/8)	33.3 (1-5/16)	30.2 (1-3/16)	176.2 (6-15/16)	128.6 (5-1/16)	109.5 (4-5/16)	25.4 (1)	1.13 (2-2)	
63.5 (2-2)	34.9 (1-3/8)	39.7 (1-9/16)	69.9 (2-3/4)	38.1 (1-2)	35.1 (1-3/8)	193.7 (7-5/8)	141.3 (5-9/16)	123.8 (4-7/8)	38.1 (1-2)	1.59 (3-2)	
76.2 (3)	38.1 (1-2)	46 (1-13/16)	87.3 (3-7/16)	41.3 (1-5/8)	36.5 (1-7/16)	152.4 (6)	158.8 (6-1/4)	141.3 (5-9/16)	30.2 (1-3/16)	2.49 (5-2)	
127 (5)	44.5 (1-3/4)	50.8 (2)	100.0 (3-15/16)	47.6 (1-7/8)	44.5 (1-3/4)	254 (10)	184.2 (7-1/4)	165.1 (6-2)	36.6 (1-7/16)	3.18 (7)	
215.9 (8-2)	50.8 (2)	73.0 (2-7/8)	150.8 (5-15/16)	63.5 (2-2)	68.3 (2-11/16)	349.3 (13-3/4)	250.8 (9-7/8)	219.1 (8-5/8)	47.8 (1-7/8)	8.62 (19)	
317.5 (12-2)	63.5 (2-2)	82.6 (3-1/4)	152.4 (6)	76.2 (3)	66.7 (2-5/8)	388.9 (15-5/16)	277.8 (10-15/16)	246.1 (9-11/16)	50.8 (2)	12.7 (28)	
381 (15)	76.2 (3)	90.5 (3-9/16)	165.1 (6-2)	82.6 (3-1/4)	76.2 (3)	422.3 (16-5/8)	298.5 (11-3/4)	261.9 (10-5/16)	55.6 (2-3/16)	14.51 (32)	

(Note: Dimensions in parenthesis are in inch-pound.)

FIGURE 1. Hooks, hoist (regular eye) - Continued.

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3.3 Capacities. Hooks shall withstand a proof load equal to twice the safe working load (swl) specified for hook size (see 2), without permanent set or deformation, and a minimum ultimate strength load of five times the swl without disengagement of the load by straightening of the hook.

3.4 Safety latch performance. The safety latch shall perform its proper function by retaining a rope or cable within the hook. To determine conformance to this requirement, the hook shall be tested for failure of the safety device to perform its proper function of retaining a rope or cable within the hook. A test load shall be applied to the closed and latched safety device in one direction. The load shall be applied to the safety device at a point measured from the tip of the latch along the safety device a distance equal to 0.33 of the latch length. The load shall be applied to the safety device in the plane of the hook at a 90 degree angle (90°) to the safety device and outward from the hook. The test load shall be 34 kilograms (kg) (150 pounds (lbs)) for safety hooks with safe working loads between 1.36 and 1.81 mg (1.5 and 2 st) inclusive; 68 kg (150 lbs) for safe working loads between 1.81 and 4.54 mg (2.01 and 5 st) inclusive; and 91 kg (200 lbs) for safe working loads greater than 4.54 mg (5 st). The safety device shall suffer no permanent deformation due to the test load applications and shall be functional upon completion of testing.

3.5 Finish. Unless otherwise specified, hooks shall be zinc-coated in accordance with ASTM B633 or ASTM A153 with a supplementary chromate treatment. Coating shall be not less than 0.13 mm (0.005 inches) thick (see 7.2).

3.6 Identification and markings. Identification and markings shall be permanent and legible and shall include as a minimum, the manufacturer's trademark, the part or identifying number (PIN) (see 7.2 and 7.3), and the national stock number (NSN).

4. REGULATORY REQUIREMENTS

4.1 Recovered material. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. QUALITY ASSURANCE PROVISIONS

5.1 Responsibility for inspection. The contractor is responsible for the performance of all inspections (examinations and tests).

5.2 Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this CID and that the product conforms to the producer's own drawings, specifications, workmanship standards, and quality assurance practices. Items with known defects shall not be submitted for Government

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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.

6. PACKING. Preservation, packing, and marking for the desired level shall be as specified in the contract or order (see 7.2).

7. NOTES

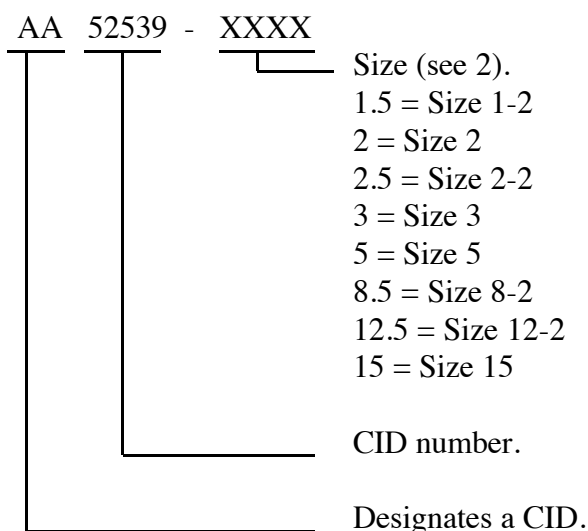
(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

7.1 Non-Government publications. Copies of ASTM A711 “Carbon and Alloy Steel Blooms, Billets and Slabs for Forging”, A153 “Zinc Coating (Hot-Dip) on Iron and Steel Hardware”, and B633 “Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel (R1994)”, are available from the American Society for Testing and Materials (ASTM), 1916 Race Street, Philadelphia, PA 19103.

7.2 Ordering data. Acquisition documents should specify the following:

- a. Title, number, and date of this CID.
- b. Issue of DoDISS to be cited in the solicitation.
- c. Size of hook required.
- d. PIN, and quantity of hooks required.
- e. Finish, if other than as specified.
- f. Applicable level of preservation, packing and marking.

7.3 PIN. The PINs to be used for hooks acquired to this CID are created as follows:



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7.4 Cross reference data. Hooks, Hoist (Regular Eye) conforming to this CID are interchangeable/substitutable with Hooks, Hoist (Regular Eye) conforming to MIL-H-13568B(ME).

MILITARY INTERESTS:

Custodian:

Army - AT

Review Activity:

DLA - IS

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

Preparing Activity:

Army - AT

(Project 4030-0270)