

A-A-50472A
 September 21, 1988
 SUPERSEDING
 A-A-50472
 November 14, 1983

COMMERCIAL ITEM DESCRIPTION

HOOK, SWIVEL, LATCH TYPE

The General Services Administration has authorized the use of this commercial item description in preference to Style B, Type II and Type III of Military Specification MIL-H-19253C.

Abstract: This commercial item description (CID) applies to latch type swivel hoist hooks that support a load in a direct-pull configuration, and such load is carried in the base (bowl-saddle) of the hook. The hook is intended for use in material handling operations.

Salient characteristics:

Requirements. Hoist hooks shall be as specified herein and shall be in accordance with the basic requirements shown in table I for the rated capacity and throat openings. Hooks of a rated capacity greater than specified in this table will be acceptable provided they meet all other requirements. The hook shall have a latch type closure device to bridge the throat opening of the hook.

TABLE I. Basic requirements.

Rated capacity	Throat opening with latch
2 short tons	Not less than 0.93 inch
10 short tons	Not less than 1.91 inch
30 short tons	Not less than 3.00 inches

Material. The hooks shall be constructed of an alloy steel that will produce hooks conforming to the requirements specified herein. The hook material shall have sufficient ductility to permanently deform before failure. The hook shall be zinc-coated in accordance with the manufacturer's standard practice.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commanding Officer (Code 156), Naval Construction Battalion Center, Port Hueneme, CA 93043-5000, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

FSC 403

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Defects. There shall be no defects when magnetic particle inspected over the entire area of the hook in accordance with ASTM A 275. A defect is defined as a linear indication revealed by magnetic particle inspection that is greater than 0.125-inch long and whose length is equal to, or greater than, three times its width.

Rated capacity. The hooks, when used in various material handling operations in lifting and moving cargo, shall not be utilized with loads greater than the rated capacity specified in table I.

Tested capacity. The hooks shall lift and hold a load equal to not less than two times the rated capacity of the hook. Tests and examinations shall be in accordance with ANSI B30.10.

Hook-latch assembly. The latch assembly shall be manufactured of noncorrosive metal or have an all-weather anticorrosive finish. The latch assembly shall bridge the throat opening in the closed position, and retain loose slings or other hoisting devices under slack conditions. Unlocking the latch may be accomplished manually or by other methods.

Identification marking. Each hook shall be permanently and legibly marked with the rated capacity in short tons

.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, standards, and quality assurance practices. The Government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

Metric product. 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 Federal Standard No. 376, and all other requirements of this CID are met.

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.

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

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

Preservation, packaging, packing, labeling, and marking. The preservation, packaging, packing, labeling, and marking shall be as specified in the contract or order.

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Note. Purchasers should specify rated capacity required.

ANSI B30.10 is available from the American National Standards Institute, Inc.,
1430 Broadway, New York, NY 10018.

ASTM A 275 is available from the American Society for Testing and Materials,
1916 Race Street, Philadelphia, PA 19103.

MILITARY INTERESTS:

Custodians

Navy - YD
Air Force - 99

Review Activities

Air Force - 82
DLA - IS

User Activities

Navy - SH, OS

PREPARING ACTIVITY:

Navy - YD

Project 4030-0208