
* INCH-POUND *

A-A-50468A

29 March 1991

SUPERSEDING

A-A-50468

May 19, 1983

COMMERCIAL ITEM DESCRIPTION

GATE, BLAST, LOW PRESSURE, SHEET METAL PIPE SYSTEMS

This Commercial Item Description (CID) is approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies. This CID is to be used in preference to MIL-G-18120.

Abstract. This CID covers metal blast gates designed for use in round, low pressure type, sheet metal air ducts.

Salient characteristics.

1. Description. The blast gate shall be designed for use in dust collecting systems at air temperatures up to 110 degrees Fahrenheit (oF). The flow area through the gate in the fully opened position shall be not less than 85 percent of the area of a round sheet metal duct having the same nominal size as the blast gate. The blast gate shall be designed with tapered, collar-type connections sized to slip into round sheet metal duct having the same nominal size as the blast gate. The slip-fit connection shall provide a minimum of 1/2-inch overlap. The gate shall be nominal sizes of 2 inches in diameter up to and including 24 inches, as specified in the contract or purchase order.
2. Blast gate materials. The body, including collar connectors, shall be fabricated of cast iron, cast aluminum, aluminum sheet, or zinc-coated (galvanized) steel sheet. The sliding gate shall be of the aluminum or galvanized steel sheet or plate. The weight of zinc coating for galvanized and galvanized sheet used for the body and sliding gate shall be not less than G90 (0.90 ounce per square foot) of sheet. The thickness of the sliding gate shall be not less than 0.0635 inch (galvanized sheet gage No. 16) for sizes up to and including 8 inches in

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 4460

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

A-A-50468A

diameter and not less than 0.1084 (galvanized sheet gage No. 12) for sizes over 8 inches in diameter. Commercial tolerances shall apply to sheet metal thickness specified herein. Sheet steel thickness is specified in accordance with ASTM A 568 and galvanized sheet steel is specified in accordance with ASTM A 525.

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 and is the same product sold in the commercial market place. 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 products. 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 FED-STD-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 offerer/contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum extent practicable.

Packaging. Unless otherwise specified in the contract or order, the preservation, packing, and marking shall be in accordance with ASTM D 3951.

Notes. Acquisition activity should specify the size of blast gate required.

ASTM Standards are available from ASTM, 1916 Race Street, Philadelphia, PA 19103.

FED-STD-376 is available from Standardization Documents Order Desk, Bldg. 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

MILITARY INTERESTS:

Custodian

Navy - YD

Review Activity

DLA - CS

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

PREPARING ACTIVITY:

Navy - YD

(Project 4460-0046)