

INCH-POUND

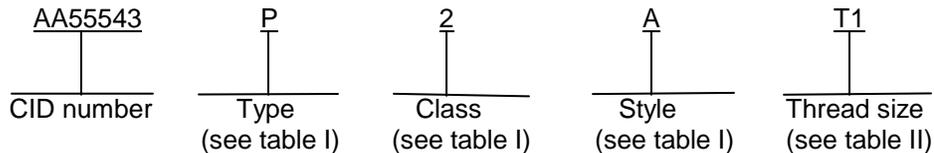
A-A-55543C
19 October 2011
SUPERSEDING
A-A-55543B
18 October 2005

COMMERCIAL ITEM DESCRIPTION

GUN, AIR BLOW, (BLAST CLEANING)

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

1. SCOPE. This commercial item description (CID) covers the general requirements for gun, air blow, (blast cleaning). Gun, air blow, (blast cleaning) covered by this CID are intended for commercial/industrial applications.
2. CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN). This CID uses a classification system which is included in the PIN as shown in the following example (see 7.1).



Comments, suggestions, or questions on this document should be addressed to DLA, Land and Maritime, ATTN: VAI, P.O. Box 3990, Columbus, OH 43218-3990, or email to FluidFlow@dla.mil. Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at <https://assist.daps.dla.mil>.

2.1 Classification.

TABLE I. Air blow gun type, class, style.

Type (see 3.2)		Class (lever action)		Style	Thread size/fitting designator (see table II)
L	Lever action	1	lever, over	A - with hanger B - without hanger	T1 T2 T3
		2	lever, under		
P	Push-button action	1	pushbutton over		
		2	pushbutton, under		
G	Pistol	3	pistol grip		

TABLE II. Thread size.

Designator	Thread	Dimension in Inch	Dimension in mm
T1	1/4 - 18 NPT (internal thread)	.250	6.35
T2	3/8 - 18 NPT (internal thread)	.375	9.53
T3	1/2 - 18 NPT (external thread)	.500	12.70

2.2 Design and construction. Each air blow gun shall consist of a body, a control valve, and a nozzle having an air opening. The air blow gun shall be capable of providing for the automatic reduction of air in the nozzle to a pressure less than 30 PSI (2.07 bar). The control valve, which shall be easily operable with one hand and a minimum of hand pressure, shall permit the delivery of air for cleaning purposes in short blasts or in a continuous flow with the valve fully opened. Unless otherwise specified (see 7.2), the nozzle shall be detachable. The air blow gun shall seal completely against the air flow at all operating pressures. For protection of the operator from chip fly-back, each air blow gun type shall have either a nozzle capable of providing a cone of around the main stream, or a shatter-proof, see-through chip guard attached near the tip (see 7.2).

3. SALIENT CHARACTERISTICS.

3.1 Interface and physical dimensions. Gun, air blow, (blast cleaning) supplied to this CID shall be as specified herein (see figures 1, 2, and 3).

3.2 Thread size. The air inlets of the guns shall be American Standard Taper Pipe Thread (National Pipe Tapered) (NPT) or Straight Pipe Thread (NPS) as specified on table II.

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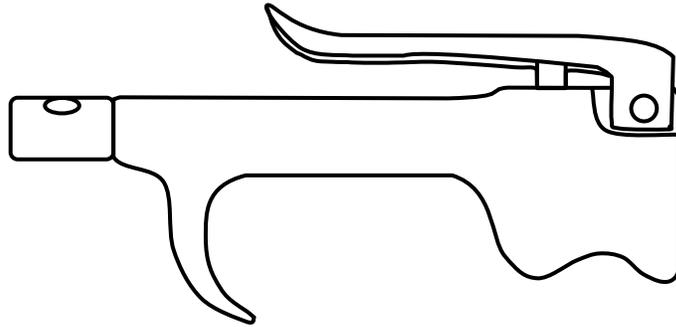


FIGURE 1. Type I, lever over.

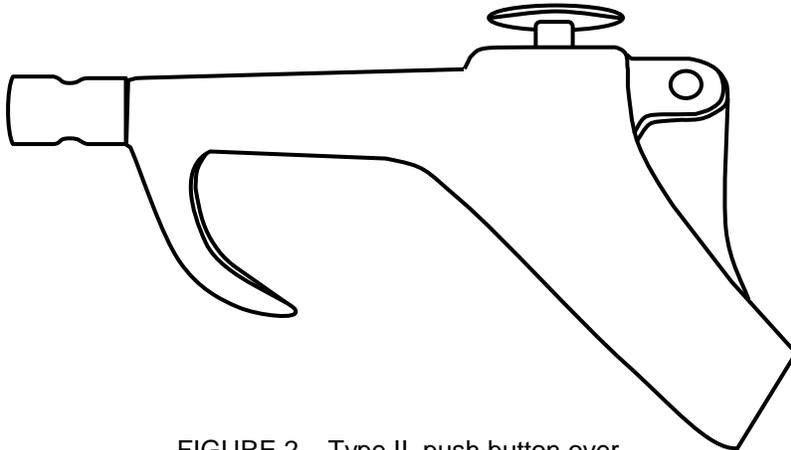


FIGURE 2. Type II, push button over.

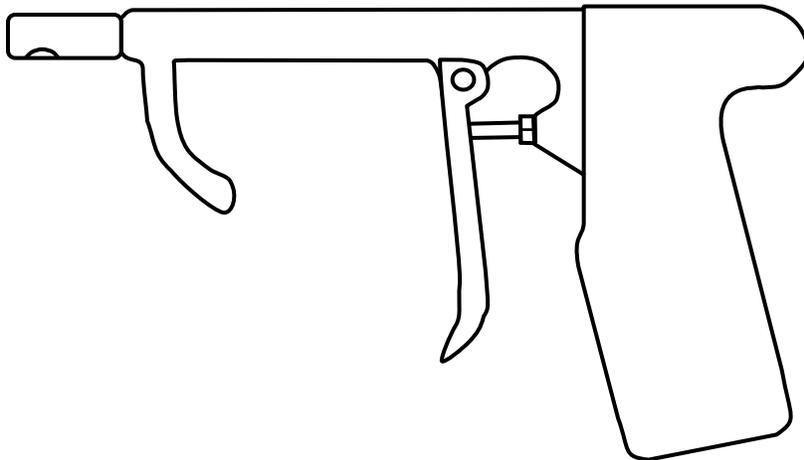


FIGURE 3. Type III, pistol grip design.

3.3 Type. The guns shall be of three types, as specified below, and as shown on figures 1, 2, and 3 and table I. Figures are for illustration only and are not meant to restrict other designs.

3.3.1 Type L, lever operated guns.

3.3.1.1 Lever over, shall be similar to figure 1.

3.3.2 Type P, push-button operated guns.

3.3.2.1 Push button over, shall be similar to figure 2.

3.3.3 Type G, pistol operated design.

3.3.3.1 Pistol grip design, shall be similar to figure 3.

3.4 Threads. Threads shall be National Pipe Tapered (NPT) in accordance with ASME-B16.15.

3.5 Marking. The air blow guns supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN. The part number marked on the unit pack shall be the CID PIN.

4. **REGULATORY REQUIREMENTS**. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with 23.403 of the Federal Acquisition Regulation (FAR).

4.1 Safety and health requirements. Safety devices shall be provided for the air blow guns where safety hazards are possible. Except as otherwise specified by the procuring activity, the Gun, air blow, (blast cleaning) shall comply with OSHA 29CFR, standard number 1910.242, and instruction STD 01-13 001, directive #100-1. Exceptions and additional safety and health requirements shall be as specified (see 7.4).

5. **PRODUCT CONFORMANCE PROVISIONS**.

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

5.2 Market acceptance. The following market acceptance criteria are necessary to document the quality of the product to be provided under this CID:

- a. The company producing the item must have been producing a product meeting the requirements of this CID for at least 2 years.
- b. The company producing this item must have sold 1,000 units meeting this CID in the commercial marketplace over the past 2 years.

6. **PACKAGING**. Preservation, packing, and marking shall be as specified in the contract or order.

7. **NOTES**.

7.1 PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See section 2 for PIN format example.

7.2 Environmentally preferable material. Environmentally preferable materials should be used to the maximum extent possible to meet the requirements of this specification. As of the dating of this document, the U.S. Environmental Protection Agency (EPA) is focusing efforts on reducing 31 priority chemicals. The list of chemicals and additional information is available on their website <http://www.epa.gov/osw/hazard/wastemin/priority.htm>. Included in the EPA list of 31 priority chemicals are cadmium, lead, and mercury. Use of these materials should be minimized or eliminated unless needed to meet the requirements specified herein (see Section 3).

7.3 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these Gun, air blow, (blast cleaning) to DLA Land and Maritime under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

7.4 Source of documents.

FEDERAL REGULATIONS

FAR - Federal Acquisition Regulations (FAR)

(Copies of these documents are available online at www.acquisition.gov/far/current/pdf/far.pdf or from the U.S. Government Printing Office, 732 North Capital Street, NW, Washington D.C. 20401.)

Occupational Safety and Health Act

OSHA 29CFR - Hand and Portable Powered Tools and Equipment, General
OSHA STD 01-13-001 - OSHA Program Directive #100-1, Reduction of Air Pressure
Below 30 PSI for Cleaning Purposes

(The OSHA Program Directive and Instruction are available online at <http://www.osha.gov> or from the Occupational Safety & Health Administration, 200 Constitution Avenue, NW, Washington, DC 20210.)

Other Publications

ASME INTERNATIONAL

ASME-B16.15 - Fitting, Cast Bronze Threaded, Standard For

(Copies of these documents are available online at <http://www.asme.org> or from ASME International, Three Park Avenue, New York, NY 10016-5990.)

7.5 Ordering data. The contract or order should specify the following:

- a. CID document number, revision, and CID number.
- b. Product conformance provisions.
- c. Packaging requirements.

7.6 Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of commercial products. At the time of CID preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID. (Note: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

MFR's CAGE	MFR's name and address
58277	Coilhose Pneumatics 200 A-Clay Avenue P.O. Box 309 Middlesex, N.J. 08846 (732) 752-5000
14127	Foster MFG. Co., Inc. 2324 W. Battlefield Rd. Springfield, MO 65807-4004 (417) 881-6600
94894	Milton Industries, Inc. 4500 W. Cortland Street Chicago, IL 60639-5105 (773) 235-9400

7.7 Part number (P/N) supersession data. These CID PINs supersede the following MFS's P/Ns as shown in table III. This information is being provided to assist in reducing proliferation in the Government inventory system.

TABLE III. P/N supersession data.

PIN	MFR's CAGE	MFR's P/N (PIN) <u>1/</u>
AA55543-L1BT1	94894	131
AA55543-L1AT1	14127	BG2L-30T
AA55543-G3AT1	94894	S160
AA55543- G3AT1	39428	5668K11
AA55543- L1AT1 (less tip)	18876	8455257 <u>2/</u>

1/ The manufacturer's P/N shall not be used for procurement to the requirements of this CID. At the time of preparation of this CID, the aforementioned commercial products were reviewed and could be replaced by the CID PIN shown. For actual part marking requirements see 3.3.

2/ CAGE 18876 U.S. Army drawing which lists Foster MFG. (CAGE 14127) PIN BG2L-30T (less tip).

7.8 Government Users. To acquire information on obtaining these air blow guns from the Government inventory system, contact DLA Land and Maritime, ATTN: FMU, P.O. Box 3990, Columbus, OH 43218-3990, or telephone (614) 692-8734.

7.8.1 National stock number (NSN). The following table IV is a list of NSN's assigned which correspond to this CID. The list is for information only and may not be indicative of all possible NSN's associated with the CID. For up to date information on assigned NSN's, please contact the aforementioned DLA Land and Maritime office (see 7.8).

TABLE IV. NSN's

CID PIN	PIN listed with NSN	NSN
AA55543-P-1-B-T2	A-A-55543-2-B	4940-00-223-8970
AA55543-P-1-A-T2	A-A-55543B P 1 A T2	4940-00-223-8972
AA55543-P-1-A-T1	A-A-55543TY 2 CL 1 ST A	4940-00-333-5541
AA55543-P-2-A-T1	A-A-55543-2-A	4940-01-040-7193
AA55543-L-1-A-T1 (less tip)	8455257	4940-01-243-6484

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

MILITARY INTERESTS:

CIVIL AGENCY COORDINATING ACTIVITY
GSA-FAS

Custodians:

- Army - AR
- Navy - AS
- Air Force - 99
- DLA - CC

Preparing activity:
DLA - CC

(Project 4940-2011-001)

Review activity:

- Air Force - 84

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.daps.dla.mil>.