

NOTICE OF  
VALIDATION

INCH-POUND

A-A-55614  
NOTICE 2  
15 June 2006

COMMERCIAL ITEM DESCRIPTIONS (CIDS)

Shield, Expansion (Non-Drilling Expansion Anchors)

A-A-55614, dated 19 July 1995, has been reviewed and determined to be valid for use in acquisition.

**Custodians:**

Army - AR  
Navy - YD  
Air Force - 99  
DLA - IS

**Preparing Activity:**

DLA - IS

**NOTE:** The activities 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 [assist.daps.dla.mil](http://assist.daps.dla.mil).

NOTICE OF  
VALIDATION

INCH-POUND

A-A-55614  
NOTICE 1  
21 August 2001

COMMERCIAL ITEM DESCRIPTIONS (CIDS)

SHIELD, EXPANSION (NON-DRILLING EXPANSION ANCHORS)

A-A-55614, dated 19 July 1995, has been reviewed and determined to be valid for use in acquisition.

**Custodians:**

Army - AR  
Navy - YD  
Air Force - 99  
DLA - IS

**Preparing activity:**

DLA - IS

AMSC N/A

FSC 5340

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

[INCH-POUND]

A A-55614  
19 JULY 1995

COMMERCIAL ITEM DESCRIPTION  
SHIELD, EXPANSION  
(NON-DRILLING EXPANSION ANCHORS)

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

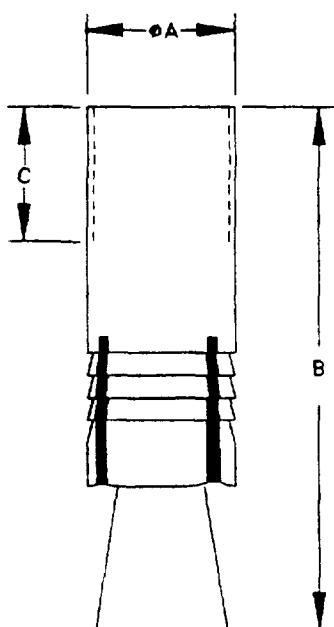
1 SCOPE This Commercial Item Description (CID) covers the following types of non-drilling expansion anchors for use in attaching equipment and fixtures to masonry

Type 1-Expansion anchors, internally threaded, with external slits and single cone expander

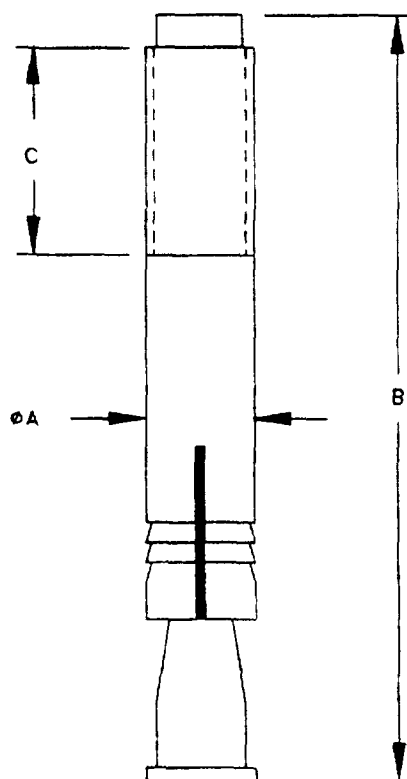
Type 2-Expansion anchors, externally threaded, with external slits and single cone expander

2 SALIENT CHARACTERISTICS

2.1 Bolt Anchor Configurations



Type 1



Type 2

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and data which may improve this document should be sent to Defense Industrial Supply Center ATTN DISC-ECB 700 Robbins Avenue Philadelphia, PA 19111-5096

A A 55614

TABLE I TYPE 1, DASH NUMBERS AND DIMENSIONS

Type 1 Dash Numbers	Thread Size UNC-2B	ØA Outside Diameter (Nominal)	B Height (Nominal)	C Depth of Thread Length (Nominal)	Average Ultimate Capacity <sup>1,2</sup> (Lbs)(Minimum)
101	250-20	4375	1 125	375	1600
102	375-16	5625	1 4375	4375	2500
103	500-13	6875	1 9375	6875	3700
104	625-11	844	2 375	875	5100
105	750-10	1 000	3 000	1 125	7100

1 Recommended safe working load is one-fourth of the average ultimate capacity

2 Test in accordance with ASTM E488

TABLE II TYPE 2, DASH NUMBERS AND DIMENSIONS

Type 2 Dash Numbers	Thread Size UNC-2A	ØA Outside Diameter (Nominal)	B Height (Nominal)	C Thread Length (Minimum)	Imbedment (Minimum)	Average Ultimate Capacity <sup>1,2</sup> (Lbs)(Minimum)
201	250-20	250	1 750	625	1 000	1200
202	375-16	375	2 250	625	1 250	2200
203	500-13	500	2 750	875	1 500	3500
204	625-11	625	3 375	1 000	2 000	4500
205	750-10	750	4 250	1 375	2 500	6000

1 Recommended safe working load is one-fourth of the average ultimate capacity

2 Test in accordance with ASTM E488

2.2 Material for expansion elements and cone expanders shall be carbon or alloy steel

3 QUALITY ASSURANCE PROVISIONS

3.1 The suppliers shall be responsible for those in process controls and inspections necessary to supply a product consistently conforming to the requirements of this document

3.2 Upon request, the supplier will certify with documented test/inspection evidence that the part supplied meets the requirements of this document

4 NOTES

4.1 Unless otherwise specified, all dimensions are in inches

4.2 Bolts are not included with Type 1 non-drilling expansion anchors unless specified in the purchasing contract

4.3 Nuts and washers are not included with Type 2 non-drilling expansion anchors unless specified in the purchasing contract

4.4 Packaging shall be in accordance with ASTM D 3951

4.4 The part identification number (PIN) shall consist of the basic commercial item description number followed by a dash number from Table I or Table II

Example AA55614-101

Dash number  
Basic number

## MILITARY INTERESTS

Custodians  
 Army - AR  
 Navy - YD  
 Air Force - 99

Preparing Activity  
 DLA - IS

(Project 5340-2229)

# 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.
  - 4 This form may not be used to request copies of documents, or 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

**1 DOCUMENT NUMBER** A-A-55614 **2 DOCUMENT DATE (YYMMDD)** 950719

**3 DOCUMENT TITLE** SHIELD, EXPANSION (NON-DRILLING EXPANSION ANCHORS)

**4 NATURE OF CHANGE** (Identify paragraph number and include proposed rewrite, if possible. Attach sheets if needed.)

**5 REASON FOR RECOMMENDATION**

**8 PREPARING ACTIVITY** DLA-IS

**a. NAME**  
Emelia Altoman

**b. TELEPHONE (Include Area Code)**  
(1) Commercial (215) 697-6827

**ADDRESS (Include Zip Code)**  
Defense Industrial Supply Center  
700 Robbins Avenue  
Bldg 3 (Code DISC-EED)  
Philadelphia PA 19111-5096

**IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT**  
Defense Quality and Standardization Office  
5203 Leesburg Pike, Suite 1403  
Falls Church, VA 22041  
TELEPHONE (703) 756-2340 AUTOVON 289-2340