

A-A-132  
April 5, 1980

## COMMERCIAL ITEM DESCRIPTION

## ERASERS

The General Services Administration has authorized the use of this commercial item description in lieu of Federal Specification ZZ-E-661.

Salient characteristics:

Erasers shall be of the shape, type, minimum volume, and for the purpose, specified in table 1.

TABLE 1.

| Dimensions, shape, type, minimum volume, and purpose of erasers |                                                                |                                          |                               |                                                                                |
|-----------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------|-------------------------------|--------------------------------------------------------------------------------|
| Item No.                                                        | Purpose, type, and shape                                       | Descriptive dimensions (in.)             | Minimum volume (cubic inches) | Other characteristics                                                          |
| 1                                                               | Pencil; soft; cylindrical                                      | 1-1/4 (long);<br>0.300 (dia.)            | .088                          | Designed for use in electric erasing machines.                                 |
| 2                                                               | Pencil; regular; cylindrical                                   | 6 (long);<br>3/16 (dia.);<br>eraser core | .166                          | Paper-cased, wood-cased or plastic holder.                                     |
| 3                                                               | Pencil; regular; rectangular                                   | 2-3/4 x 7/8 x<br>1/4                     | .547                          | Beveled ends.                                                                  |
| 4                                                               | Pencil; regular; conical or arrow head, wedge or chisel shaped | -----                                    | --                            | Eraser fits over end of standard writing pencil (9/32-inch dia. ferrule).      |
| 5                                                               | Pencil; regular; mechanical pencil replacement eraser          | -----                                    | --                            | Eraser must fit Scripto's Long Lead Mechanical Pencil K-770.                   |
| 6                                                               | Pencil; regular; mechanical pencil replacement eraser          | -----                                    | --                            | Eraser must fit Autopoint's Slim Utility Mechanical Pencil No. 106.            |
| 7                                                               | Typewriter and ink; cylindrical                                | 2-23/32 (long);<br>0.120 (dia.)          | .031                          | Designed for use in mechanical eraser barrels.                                 |
| 8                                                               | Typewriter and ink; cylindrical                                | 1-1/4 (long);<br>0.300 (dia.)            | .088                          | Designed for use in electric erasing machines.                                 |
| 9                                                               | Typewriter and carbon; cylindrical                             | 6 (long);<br>3/16 (dia.)<br>eraser core  | .166                          | One end (half) typewriter eraser and one end (half) carbon eraser; wood-cased. |

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TABLE I

| Dimensions, shape, type, minimum volume, and purpose of erasers |                                                                   |                                        |                               |                                           |
|-----------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------|-------------------------------|-------------------------------------------|
| Item No.                                                        | Purpose, type, and shape                                          | Descriptive dimensions (in.)           | Minimum volume (cubic inches) | Other characteristics                     |
| 10                                                              | Cleaning; rubber; rectangular                                     | 2 x 1 x 3/4                            | 1.50                          |                                           |
| 11                                                              | Cleaning; rubber substitute; rectangular                          | 2-1/4 x 1-1/8 x 1-1/8                  | 2.848                         | Gum-type composition.                     |
| 12                                                              | Cleaning; kneaded rubber; rectangular                             | 1-5/8 x 1-1/4 x 3/8                    | .762                          |                                           |
| 13                                                              | Cleaning; direct image paper offset master; cylindrical           | 7 (long); 3/16 (dia.) eraser core      | .193                          | Paper-cased, wood-cased or plastic holder |
| 14                                                              | Cleaning; plastic; drafting paper, films and vellums; rectangular | 2-5/8 x 7/8 x 1/2                      | .95                           | Reveled ends.                             |
| 15                                                              | Cleaning; plastic; drafting paper, films and vellums; cylindrical | 6-1/4 (long); .290 (dia.); eraser core | .413                          | Paper-cased, wood-cased or plastic holder |

Before aging, erasers shall have the hardness values specified in table II.

TABLE II. Hardness requirements

| Purpose and Type                  | Hardness |         |
|-----------------------------------|----------|---------|
|                                   | Minimum  | Maximum |
| Pencil:                           |          |         |
| Soft                              | 30       | 50      |
| Regular                           | 50       | 70      |
| Typewriter, Ink and Carbon:       |          |         |
| Ink                               | 75       | 90      |
| Typewriter                        | 75       | 90      |
| Carbon                            | 60       | 75      |
| Cleaning:                         |          |         |
| Rubber                            | 25       | 50      |
| Rubber substitute                 | 30       | 40      |
| Kneaded rubber                    | --       | --      |
| Direct-image paper offset master  | 55       | 70      |
| Drafting paper, films and vellums | 65       | 80      |

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Workmanship. Erasers shall be uniform in quality, smooth, and free of dirt, foreign matter, and stains.

Certification. The contractor shall certify that the product offered meets the salient characteristics of this description and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices and is the same product offered for sale in the commercial marketplace. 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.

Recovered materials. The manufacturer shall utilize recovered materials to the maximum extent practicable.

Packaging, packing, and marking. The erasers shall be packaged in accordance with normal commercial practice and packed in shipping containers that will assure acceptance by common carrier and provide product protection against loss and damage during multiple shipments, handling and storage. The shipping container shall be in compliance with National Motor Freight Classification and Uniform Freight Classification. Shipping containers shall be marked as specified in the contract or order.