## INCH-POUND

A-A-3192A
April 28, 2010
SUPERSEDING
A-A-3192
May 9, 2003

## COMMERCIAL ITEM DESCRIPTION

## BRUSHES, PAINT

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

1. SCOPE. This commercial item description covers flat, metal-bound, paint and varnish brushes made with natural hog bristle or synthetic filament. Master grade brushes are designed and manufactured for paint applications where superior paint loading and release are required. High grade brushes are for varnish and enamel applications. Medium grade brushes are excellent as sash and trim tools. Utility grade brushes deliver excellent results in general purpose painting operations where brush strokes are not a consideration.
2. CLASSIFICATION. The brushes shall be of the following types, classes, and sizes (Size denotes width or diameter and length of bristle outside of ferrule).

| Grade AA, <br> Master <br> Grade | Type I - Hog Bristle Size, <br> mm (inches) | Type II - Synthetic Filament <br> Size, mm (inches) |
| :---: | :---: | :---: |
|  | $152(6)$ | $127(5)$ |
|  | $127(5)$ | $102(4)$ |
|  | $102(4)$ | $89(3-1 / 2)$ |
|  | $89(3-1 / 2)$ | $76(3)$ |
| Grade A, | $152(6)$ | $152(6)$ |
| High Grade | $127(5)$ | $127(5)$ |
|  | $102(4)$ | $102(4)$ |
|  | $89(3-1 / 2)$ | $89(3-1 / 2)$ |

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| Grade A, High Grade | Type I - Hog Bristle Size, mm (inches) | Type II - Synthetic Filament Size, mm (inches) |
| :---: | :---: | :---: |
|  | 76 (3) | 76 (3) |
|  | 64 (2-1/2) | 64 (2-1/2) |
|  | 51 (2) | 51 (2) |
|  | 38 (1-1/2) | 38 (1-1/2) |
|  | 25 (1) | 25 (1) |
| Grade B, Medium Grade | 127 (5) | 127 (5) |
|  | 102 (4) | 102 (4) |
|  | 89 (3-1/2) | 89 (3-1/2) |
|  | 76 (3) | 76 (3) |
|  | 64 (2-1/2) | 64 (2-1/2) |
|  | 51 (2) | 51 (2) |
|  | 38 (1-1/2) | 38 (1-1/2) |
|  | 25 (1) | 25 (1) |
| Grade C, Utility Grade | 102 (4) | 102 (4) |
|  | 89 (3-1/2) | 89 (3-1/2) |
|  | 76 (3) | 76 (3) |
|  | 64 (2-1/2) | 64 (2-1/2) |
|  | 51 (2) | 51 (2) |
|  | 38 (1-1/2) | 38 (1-1/2) |
|  | 25 (1) | 25 (1) |
|  | 13 (1/2) | --- |

## 3. SALIENT CHARACTERISTICS

3.1 Design and construction - Brushes made with natural hog bristle (Type I) are recommended for application of solvent borne paints and coatings. Brushes made with synthetic filaments (Type II) are recommended for application of water borne paints and coatings. The brushes shall consist of a handle with hair held in place by means of a ferrule and setting compound.
3.2 Hog Bristle (Type I) - The bristle Type I shall be unbleached and undyed natural hog bristle. The bristle shall be boiled or steamed and straightened so that it will not twist or curl, and shall be free from reconditioned bristle or adulterants.
3.3 Synthetic filaments (Type II) - The synthetic filaments for Type II brushes shall be an organic polymeric material, tapered filaments meeting the size designation of Table 2.
3.4 Ferrule - The ferrule shall be made of corrosion resistant metal, or metal made corrosion resistant by electro-plating. The ferrule metal shall have minimum wall thickness of 3 mm ( 0.010 inch ). The ferrule shall be formed with and interlock, lock-seamed, soldered, or welded end lap, and shall have a groove at the base to aid in controlling the flow of the setting compound. The ferrule height shall be a minimum of 32 mm ( $1-1 / 4 \mathrm{inch}$ ) for grade C brushes and 37 mm ( $1-15 / 32$ inch) minimum for grade AA, A, and B brushes.
3.5 Assembly - For grades AA and A brushes, the ferrule shall be fastened to the handle with 16 or 17 gage corrosion resistant nails. The minimum length of the nails shall be such that the shank of the nail shall engage at least $1 / 2$ the thickness of the brush. There shall be at least two (2) nails on each side of brushes 76 mm ( 3 inches) wide or smaller. There shall be on each side of the $89 \mathrm{~mm}(3-1 / 2 \mathrm{inch}$ ) and 102 mm ( 4 inch ) brushes. Four (4) nails shall be on each side of the brush. For grade B and C brushes, the ferrules may be nailed or otherwise securely fastened to the handles.
3.6 Handle - The handle shall be either a smoothly finished close-grained hardwood, or synthetic material with all sprues and runners removed.
3.7 Filler Strips - Filler strips shall be made of wood, metal, or plastic.

### 3.8 Trim -

(a) All grade AA brushes shall be formed to square top with flagged ends preserved, or cup chiseled, with a minimum chisel of 6 mm ( $1 / 4$ inch).
(b) Grade A and B brushes wider than 76 mm ( 3 inches) and all grade C brushes shall be formed to a square top, with tipping and flagging preserved.
(c) $76 \mathrm{~mm}(3 \mathrm{inch})$ brushes shall be formed to a square top (with the tipped or flagged ends preserved), or cupped or machined to a chisel edge with a minimum chisel of 6 mm ( $1 / 4 \mathrm{inch}$ ). (If cup chiseled, flagged ends shall be preserved. If machine chiseled, the ends shall be sanded to a fine, soft edge).
(d) Grade A and B brushes (less than 76 mm [ 3 inches] wide) shall be cupped or machined to a chisel edge with a minimum chisel of 6 mm ( $1 / 4 \mathrm{inch}$ ). (If cup chiseled, flagged ends shall be preserved. If machine chiseled, the ends shall be sanded to a fine, soft edge).

### 3.9 Composition and Physical Requirements

3.9.1 Type I - The bristle shall be 60 percent top size and blended in accordance with Table 1. (Dressed bristle described as 60 percent top size, denotes that bundle consists of 60 percent bristle measuring 2 mm ( $1 / 16$ inch) or more above the length specified to 3 mm ( $1 / 8$ inch) below the length specified; 30 percent to consist of bristle from 3 mm ( $1 / 8 \mathrm{inch}$ ) to 10 mm ( $3 / 8 \mathrm{inch}$ ) below the length specified; 10 percent will be 10 mm ( $3 / 8 \mathrm{inch}$ ) to not more than 13 mm ( $1 / 2$ inch) below specified length, but including a few unavoidable shorts).

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Table 1. Blend of Bristle and Physical Requirements for Type I Brushes

| Grade | Brush width inside ferrule mm (inch), $+/-1 \mathrm{~mm}$ ( $1 / 32$ inch) | Percentage (wt.) and length of bristle mm (inch) minimum | Brush thickness inside ferrule mm (inch), $+/-1 \mathrm{~mm}$ (1/32 inch) | Bristle length outside ferrule mm (inch), minimum | Bristle weight per brush, gm, minimum |
| :---: | :---: | :---: | :---: | :---: | :---: |
| AA | 152 (6) [square or cup] | $\begin{aligned} & \hline 80 \% 133(5-1 / 4) \\ & 10 \% 127(5) \\ & 10 \% 114(4-1 / 2) \\ & \hline \end{aligned}$ | 25 (1) | 119 (4-11/16) | 153 |
| AA | 127 (5) [square or cup] | $\begin{aligned} & 80 \% 133(5-1 / 4) \\ & 10 \% 127(5) \\ & 5 \% 121(4-3 / 4) \\ & 5 \% 114(4-1 / 2) \\ & \hline \end{aligned}$ | 25 (1) | 127 (5) | 128 |
| AA | 102 (4) [square or cup] | $\begin{aligned} & 80 \% 127(5) \\ & 10 \% 121(4-3 / 4) \\ & 5 \% 114(4-1 / 2) \\ & 5 \% 108(4-1 / 4) \\ & \hline \end{aligned}$ | 25 (1) | 113 (4-7/16) | 100 |
| AA | 89 (3.5) [square or cup] | $\begin{aligned} & 80 \% 121(4-3 / 4) \\ & 10 \% 114(4-1 / 2) \\ & 5 \% 108(4-1 / 4) \\ & 5 \% 102(4) \\ & \hline \end{aligned}$ | 25 (1) | 106 (4-3/16) | 82 |
| A | 152 (6) [square] | $\begin{aligned} & 80 \% 121(4-3 / 4) \\ & 10 \% 114(4-1 / 2) \\ & 5 \% 108(4-1 / 4) \\ & 5 \% 102(4) \\ & \hline \end{aligned}$ | 25 (1) | 106 (4-3/16) | 125 |
| A | 127 (5) [square] | $\begin{aligned} & 80 \% 121(4-3 / 4) \\ & 10 \% 114(4-1 / 2) \\ & 5 \% 108(4-1 / 4) \\ & 5 \% 102(4) \\ & \hline \end{aligned}$ | 25 (1) | 106 (4-3/16) | 105 |
| A | 102 (4) [square] | $\begin{aligned} & 80 \% 114(4-1 / 2) \\ & 10 \% 108(4-1 / 4) \\ & 5 \% 102(4) \\ & 5 \% 95(3-3 / 4) \\ & \hline \end{aligned}$ | 25 (1) | 100 (3-15/16) | 79 |
| A | 89 (3.5) [square] | $\begin{aligned} & 80 \% 114(4-1 / 2) \\ & 10 \% 102(4) \\ & 5 \% 95(3-3 / 4) \\ & 5 \% 89(3-1 / 2) \\ & \hline \end{aligned}$ | 25 (1) | 100 (3-15/16) | 65 |
| A | 76 (3) [square] | 80\% 95 (3-3/4) <br> 15\% 89 (3-1/2) <br> $5 \% 83$ (3-1/4) | 21 (13/16) | 78 (3-1/16) | 60 |
| A | 64 (2.5) [chisel] | $\begin{aligned} & 80 \% 89(3-1 / 2) \\ & 15 \% 83(3-1 / 4) \\ & 5 \% 76(3) \\ & \hline \end{aligned}$ | 21 (13/16) | 71 (2-13/16) | 40 |
| A | 51 (2) [chisel] | $\begin{aligned} & 80 \% 83(3-1 / 4) \\ & 15 \% 76(3) \\ & 5 \% 70(2-3 / 4) \\ & \hline \end{aligned}$ | 19 (3/4) | 65 (2-9/16) | 27 |


| A | 38 (1.5 [chisel] | $\begin{aligned} & 80 \% 83(3-1 / 4) \\ & 15 \% 76(3) \\ & 5 \% 70(2-3 / 4) \\ & \hline \end{aligned}$ | 18 (11/16) | 59 (2-5/16) | 16 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| B | 127 (5) [square] | $\begin{aligned} & 80 \% 114(4-1 / 2) \\ & 10 \% 108(4-1 / 4) \\ & 5 \% 102(4) \\ & 5 \% 95(3-3 / 4) \end{aligned}$ | 22 (7/8) | 100 (3-15/16) | 96 |
| B | 102 (4) [square] | $\begin{aligned} & 80 \% 102(4) \\ & 10 \% 95(3-3 / 4) \\ & 5 \% 89(3-1 / 2) \\ & 5 \% 83(3-1 / 4) \\ & \hline \end{aligned}$ | 22 (7/8) | 87 (3-7/16) | 68 |
| B | 89 (3.5) [square] | $\begin{aligned} & 80 \% 95(3-3 / 4) \\ & 10 \% 89(3-1 / 2) \\ & 5 \% 83(3-1 / 4) \\ & 5 \% 76(3) \end{aligned}$ | 22 (7/8) | 81 (3-3/16) | 57 |
| B | 76 (3) [square] | $\begin{aligned} & \hline 80 \% 89(3-1 / 2) \\ & 10 \% 83(3-1 / 4) \\ & 5 \% 76(3) \\ & 5 \% 70(2-3 / 4) \\ & \hline \end{aligned}$ | 18 (11/16) | 75 (2-15/16) | 45 |
| B | 76 (3) [chisel] | $\begin{aligned} & 80 \% 83(3-1 / 4) \\ & 15 \% 76(3) \\ & 5 \% 70(2-3 / 4) \\ & \hline \end{aligned}$ | 18 (11/16) | 65 (2-9/16) | 40 |
| B | 64 (2.5) [chisel] | $\begin{aligned} & 80 \% 83(3-1 / 4) \\ & 15 \% 76(3) \\ & 5 \% 70(2-3 / 4) \\ & \hline \end{aligned}$ | 16 (5/8) | $59(2-5 / 16)$ | 27 |
| B | 51 (2) [chisel] | 100\% 70 (2-3/4) | 14 (9/16) | $53(2-1 / 16)$ | 17 |
| B | 38 (1.5) [chisel] | 100\% $64(2-1 / 2)$ | 13 (1/2) | 46 (1-13/16) | 11 |
| B | 25 (1) [chisel] | 100\% 64 ( $2-1 / 2$ ) | 11 (7/16) | 46 (1-13/16) | 6 |
| C | 102 (4) [square] | $\begin{array}{\|l} \hline 80 \% 89(3-1 / 2) \\ 10 \% 83(3-1 / 4) \\ 5 \% 76(3) \\ 5 \% 70(2-3 / 4) \\ \hline \end{array}$ | 22 (7/8) | 75 (2-15/16) | 54 |
| C | 89 (3.5) [square] | $\begin{aligned} & 80 \% 83(3-1 / 4) \\ & 10 \% 76(3) \\ & 5 \% 70(2-3 / 4) \\ & 5 \% 64(2-1 / 2) \\ & \hline \end{aligned}$ | 22 (7/8) | 68 (2-11/16) | 45 |
| C | 76 (3) [square] | $\begin{aligned} & \hline 80 \% 76(3) \\ & 10 \% 70(2-3 / 4) \\ & 5 \% 64(2-1 / 2) \\ & 5 \% 57(2-1 / 4) \\ & \hline \end{aligned}$ | 18 (11/16) | 62 (2-7/16) | 37 |
| C | 76 (3) [square] | 100\% 70 (2-3/4) | 13 (1/2) | 49 (1-15/16) | 28 |
| C | 51 (2) [square] | 100\% 51 (2) | 8 (5/16) | $33(1-5 / 16)$ | 5 |
| C | 40 (1.5) [square] | 100\% $64(2-1 / 2)$ | 10 (13/32) | 33 (1-5/16) | 10 |
| C | 25 (1) [square] | 100\% $64(2-1 / 2)$ | $8(5 / 16)$ | 33 (1-5/16) | 3 |
| C | 0.5 (13) [square] | 100\% 51 (2) | 6 (1/4) | 33 (1-5/16) | 2 |

Bristles 133 mm ( $5-1 / 4$ inch) through 127 mm ( 5 inch) shall be $10 \%$ soft, $20 \%$ medium, and $70 \%$ stiff. Bristles 121 $\mathrm{mm}(4-3 / 4 \mathrm{inch})$ through 114 mm (4-1/2 inch) shall be $10 \%$ soft, $20 \%$ medium and $79 \%$ stiff. Bristles 108 mm (4$1 / 4$ inch) through 102 mm ( 4 inch) shall be $25 \%$ soft, $30 \%$ medium and $45 \%$ stiff. Bristles 95 mm ( $3-3 / 4$ inch) shall be $40 \%$ soft, $30 \%$ medium, and $30 \%$ stiff. Bristles 89 mm ( $3-1 / 2$ inch) shall be $50 \%$ soft, $25 \%$ medium, and $25 \%$ stiff. Bristles 83 mm ( $3-1 / 4$ inch) through 76 mm ( 3 inch) shall be $80 \%$ soft and $20 \%$ medium. Bristles shorter than 76 mm ( 3 inches) shall be $100 \%$ soft. (A tolerance of plus or minus $3 \%$ is allowed for each length and stiffness specified.)

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3.9.2 Type II - Synthetic filament conforming to 3.3 shall be blended as specified in table 2, with a tolerance of plus or minus 3 percent for each length and stiffness specified.

Table 2. Blend of Filament and Physical Requirements for Type II Brushes

| Grade | Brush width inside ferrule mm (inch), $+/-1 \mathrm{~mm}(1 / 32$ inch) [Trim] | Filament size designation, percentage, length mm (in, min) | Length of filament outside ferrule, mm (in, min) | Brush thickness inside ferrule mm (in.), min. | Filament weight per brush gm., min. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| AA | 127 (5) [square or chisel] | $\begin{aligned} & \text { 12-8: } \\ & 40 \% 121(4-3 / 4) \\ & 15-10: \\ & 15 \% 121(4-3 / 4) \\ & 15 \% 114(4-1 / 2) \\ & 15 \% 108(4-1 / 4) \\ & 15 \% 102(4) \\ & \hline \end{aligned}$ | $\begin{aligned} & 106 \\ & (4-3 / 16) \end{aligned}$ | 25 (1) | 130 |
| AA | 102 (4) [square or chisel] | $\begin{aligned} & 12-8: \\ & 40 \% 121(4-3 / 4) \\ & 15-10: \\ & 15 \% 121(4-3 / 4) \\ & 15 \% 114(4-1 / 2) \\ & 15 \% 108(4-1 / 4) \\ & 15 \% 102(4) \\ & \hline \end{aligned}$ | $\begin{aligned} & 106 \\ & (4-3 / 16) \end{aligned}$ | 25 (1) | 105 |
| AA | 76 (3) [square or chisel] | $\begin{aligned} & \text { 12-8: } \\ & 55 \% 114(4-1 / 2) \\ & 15-10: \\ & 15 \% 102(4) \\ & 15 \% 95(3-3 / 4) \\ & 15 \% 89(3-1 / 2) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 98 \\ & (3-13 / 16) \end{aligned}$ | 25 (1) | 74 |
| A | 152 (6) [square] | $\begin{aligned} & \text { 12-8: } \\ & 45 \% 114(4-1 / 2) \\ & \mathbf{1 5 - 1 0}: \\ & 10 \% 114(4-1 / 2) \\ & 15 \% 108(4-1 / 4) \\ & 15 \% 102(4) \\ & 15 \% 95(3-3 / 4) \\ & \hline \end{aligned}$ | $\begin{aligned} & 100 \\ & (3-15 / 16) \end{aligned}$ | 25 (1) | 145 |
| A | 127 (5) [square] | 12-8: <br> $45 \% 114$ (4-1/2) <br> 15-10: <br> 10\% 114 (4-1/2) <br> $15 \% 108(4-1 / 4)$ <br> $15 \% 102$ (4) <br> $15 \% 95(3-3 / 4)$ | $\begin{array}{\|l\|} \hline 100 \\ (3-15 / 16) \end{array}$ | 25 (1) | 116 |
| A | 102 (4) [square] | $\begin{aligned} & \text { 12-8: } \\ & 55 \% 108(4-1 / 4) \\ & 15-10: \\ & 15 \% 102(4) \\ & 15 \% 95(3-3 / 4) \\ & 15 \% 89(3-1 / 2) \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline 94 \\ (3-1 / / 16) \end{array}$ | 25 (1) | 88 |

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| A | 89 (3.5) [square] | $\begin{array}{\|l\|} \hline 12-8: \\ 55 \% 102(4) \\ 15 \% 95(3-3 / 4) \\ 15-10: \\ 15 \% 89(3-1 / 2) \\ 15 \% 83(3-1 / 4) \\ \hline \end{array}$ | $\begin{aligned} & 87 \\ & (3-7 / 16) \end{aligned}$ | 25 (1) | 77 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| A | 76 (3) [square] | $\begin{aligned} & \text { 12-8: } \\ & 55 \% 95(3-3 / 4) \\ & 15 \% 89(3-1 / 2) \\ & 15 \% 83(3-1 / 4) \\ & 15-10: \\ & 15 \% 76(3) \end{aligned}$ | $\begin{aligned} & 81 \\ & (3-3 / 16) \end{aligned}$ | 25 (1) | 68 |
| A | 76 (3) [chisel] | $\begin{aligned} & \text { 12-8: } \\ & 40 \% 95(3-3 / 4) \\ & 20 \% 89(3-1 / 2) \\ & 20 \% 83(3-1 / 4) \\ & 9-5: \\ & 20 \% 95(3-3 / 4) \end{aligned}$ | $\begin{aligned} & 78 \\ & (3-1 / 16) \end{aligned}$ | 21 (13/16) | 54 |
| A | 64 (2.5) [chisel] | $\begin{aligned} & \text { 12-8: } \\ & 20 \% 89(3-1 / 2) \\ & 20 \% 83(3-1 / 4) \\ & 20 \% 76(3) \\ & 9-5: \\ & 40 \% 89(3-1 / 2) \\ & \hline \end{aligned}$ | $\begin{aligned} & 71 \\ & (2-13 / 16) \end{aligned}$ | 21 (13/16) | 45 |
| A | 51 (2) [chisel] | $\begin{aligned} & \text { 12-8: } \\ & 10 \% 83(3-1 / 4) \\ & 20 \% 76(3) \\ & 20 \% 70(2-3 / 4) \\ & 9-5: \\ & 50 \% 83(3-1 / 4) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 65 \\ & (2-9 / 16) \end{aligned}$ | 19 (3/4) | 35 |
| A | 38 (1.5) [chisel] | $\begin{aligned} & \text { 12-8: } \\ & 20 \% 70(2-3 / 4) \\ & 20 \% 64(2-1 / 2) \\ & 9-5: \\ & 60 \% 76(3) \end{aligned}$ | $\begin{aligned} & 59 \\ & (2-5 / 16) \end{aligned}$ | $18(11 / 16)$ | 18 |
| B | 127 (5) [square] | 12-8: <br> 45\% 114 (4-1/2) 15-10: <br> 10\% 114 (4-1/2) <br> $15 \% 108(4-1 / 4)$ <br> $15 \% 102$ (4) <br> $15 \% 95(3-3 / 4)$ | $\begin{aligned} & 98 \\ & (3-7 / 8) \end{aligned}$ | 22 (7/8) | 102 |
| B | 102 (4) [square] | 12-8: <br> 55\% 102 (4) <br> $15 \% 95$ (3-3/4) <br> 15-10: <br> $15 \% 89(3-1 / 2)$ <br> 15\% 83 (3-1/4) | $\begin{aligned} & \hline 86 \\ & (3-3 / 8) \end{aligned}$ | 22 (7/8) | 74 |
| B | 89 (3.5) [square] | 12-8: <br> 55\% 95 (3-3/4) <br> $15 \% 89$ (3-1/2) <br> $15 \% 83$ (3-1/4) <br> 15-10: <br> $15 \% 76$ (3) | $\begin{aligned} & 79 \\ & (3-1 / 8) \end{aligned}$ | 22 (7/8) | 60 |

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| B | 76 (3) [square] | $\begin{aligned} & \text { 12-8: } \\ & 55 \% 89(3-1 / 2) \\ & 15 \% 83(3-1 / 2) \\ & 15 \% 76(3) \\ & 15 \% 70(2-3 / 4) \end{aligned}$ | $\begin{aligned} & 73 \\ & (2-7 / 8) \end{aligned}$ | 22 (7/8) | 48 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| B | 76 (3) [chisel] | $\begin{aligned} & \text { 12-8: } \\ & 20 \% 70(2-3 / 4) \\ & 20 \% 76(3) \\ & 10 \% 83(3-1 / 4) \\ & 9-5: \\ & 50 \% 83(3-1 / 4) \\ & \hline \end{aligned}$ | $\begin{aligned} & 49 \\ & (1-15 / 16) \end{aligned}$ | 18 (11/16) | 42 |
| B | 64 (2.5) [chisel] | $\begin{aligned} & \text { 12-8: } \\ & 20 \% 64(2-1 / 2) \\ & 20 \% 70(2-3 / 4) \\ & 9-5: \\ & 60 \% 76(3) \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline 59 \\ (2-5 / 16) \end{array}$ | 16 (5/8) | 30 |
| B | 51 (2) [chisel] | $\begin{aligned} & \text { 12-8: } \\ & 30 \% 64(2-1 / 2) \\ & 9-5: \\ & 70 \% 70(2-3 / 4) \\ & \hline \end{aligned}$ | $\begin{aligned} & 52 \\ & (2-1 / 16) \end{aligned}$ | 14 (9/16) | 20 |
| B | 38 (1.5) [chisel] | $\begin{aligned} & \text { 9-5: } \\ & 30 \% 57(2-1 / 4) \\ & 70 \% 64(2-1 / 2) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 46 \\ & (1-13 / 16) \end{aligned}$ | 13 (1/2) | 13 |
| B | 25 (1) [chisel] | $\begin{aligned} & 9-5: \\ & 30 \% 57(2-1 / 4) \\ & 70 \% 64(2-1 / 2) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 46 \\ & (1-13 / 16) \end{aligned}$ | 11 (7/16) | 6 |
| C | 102 (4) [square] | 12-8: <br> 55\% 89 (3-1/2) <br> 15\% 83 (3-1/4) <br> 15\% 76 (3) <br> $15 \% 70(2-3 / 4)$ | $\begin{aligned} & 75 \\ & (2-15 / 16) \end{aligned}$ | 22 (7/8) | 54 |
| C | 89 (3.5) [square] | $\begin{aligned} & \text { 9-5: } \\ & \text { 25\% } 83(3-1 / 4) \\ & \text { 12-8: } \\ & 30 \% 83(3-1 / 4) \\ & 15 \% 76(3) \\ & 15 \% 70(2-3 / 4) \\ & 15 \% 64(2-1 / 2) \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline 68 \\ (2-11 / 16) \end{array}$ | 22 (7/8) | 45 |
| C | 76 (3) [square] | $\begin{aligned} & \text { 9-5: } \\ & 40 \% 76(3) \\ & \text { 12-8: } \\ & 20 \% 76(3) \\ & 20 \% 70(2-3 / 4) \\ & 20 \% 64(2-1 / 2) \end{aligned}$ | $\begin{aligned} & \hline 62 \\ & (2-7 / 16) \end{aligned}$ | 22 (7/8) | 34 |
| C | 76 (3) [square] | $\begin{aligned} & \text { 9-5: } \\ & 100 \% 76 \text { (3) } \end{aligned}$ | $\begin{aligned} & 59 \\ & (2-5 / 16) \end{aligned}$ | 13 (1/2) | 31 |
| C | 64 (2.5) [square] | $\begin{aligned} & \text { 9-5: } \\ & 100 \%(2-3 / 4) \\ & \hline \end{aligned}$ | $\begin{aligned} & 52 \\ & (2-1 / 16) \\ & \hline \end{aligned}$ | 12 (15/32) | 21 |
| C | 51 (2) [square] | $\begin{aligned} & \text { 9-5: } \\ & 100 \%(2-3 / 4) \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline 52 \\ (2-1 / 16) \\ \hline \end{array}$ | 11 (7/16) | 16 |
| C | 38 (1.5) [square] | $\begin{aligned} & \text { 9-5: } \\ & 100 \% 64(2-1 / 2) \\ & \hline \end{aligned}$ | $\begin{array}{\|l} \hline 46 \\ (1-13 / 16) \end{array}$ | 10 (13/32) | 10 |
| C | 25 (1) [square] | $\begin{aligned} & \text { 9-5: } \\ & 100 \% 64(2-1 / 2) \\ & \hline \end{aligned}$ | $\begin{array}{\|l} \hline 46 \\ (1-13 / 16) \\ \hline \end{array}$ | 9.5 (3/8) | 6 |
| C | 13 (0.5) [square] | $\begin{aligned} & \text { 9-5: } \\ & 100 \% 64(2-1 / 2) \end{aligned}$ | $\begin{array}{\|l\|} \hline 33 \\ (1-5 / 16) \\ \hline \end{array}$ | 6 (1/4) | 2.75 |

## 4. REGULATORY REQUIREMENTS

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

### 5.0 PRODUCT CONFORMANCE

5.1 Product Conformance. The product provided shall meet the salient characteristics of this Commercial Item Description, conform to the producer's own drawing, specifications, standards, and quality assurance practices, and be the same product for sale in the commercial market. The government reserves the right to require proof of such conformance.
5.2 Responsibility for Inspection. Unless otherwise specified, the contractor is responsible for the performance of all inspection requirements and may use any commercial facilities (including the contractor's own facilities) suitable for performance of the inspection requirements, unless disapproved by the Government. The Government reserves the right to perform any of the inspections deemed necessary to assure the item conforms to the specified requirements.

## 6. PACKAGING.

Preservation, packaging and marking shall be as specified in the contract or order.

## 7. NOTES.

### 7.1 Source of Documents

7.1.1 Federal Acquisition Regulation (FAR). Government Printing Office, Superintendent of Documents, Washington DC 20401-9371, https://www.acquisition.gov/far/
7.2 Ordering Data. The contract or order should specify the following:
a. CID document number
b. National Stock Number (NSN)
c. Type, Grade, and Size
d. Packaging requirements
7.3 Key words: Varnish, Bristle, Filament

MILITARY INTERESTS:
None: DoD has no registered interest
Preparing Activity
GSA-FAS
In revisions and amendments to this
Commercial Item Description until further notice.


[^0]:    Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any other data which may improve this document should be sent to: General Services Administration, Federal Supply Service, Heartland Supply Operations Center (QDSKCB), 1500 E Bannister Rd., Kansas City, Missouri, 64131

