

INCH-POUND

MS51859C  
 31 October 2007  
 SUPERSEDING  
 MS51859B  
 11 February 2003

## MILITARY SPECIFICATION SHEET

## WASHER, FLAT-PLASTIC (NYLON)

Reactivated after 31 October 2007 and may be used for new and existing designs and acquisitions.

This specification sheet is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and FF-W-92.

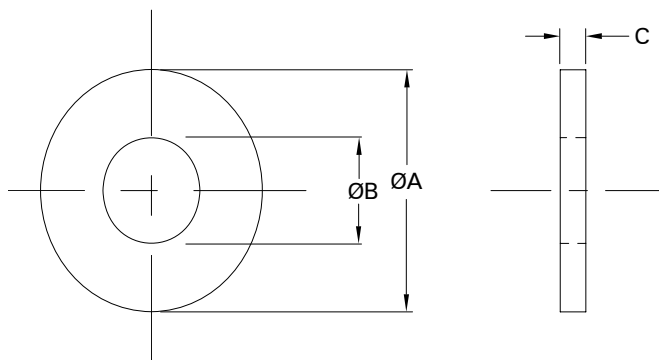


TABLE I. Dash numbers and dimensions

| DASH NUMBER | NOMINAL SIZE | ØA    |       |       | ØB   |      |      | C THICKNESS |      |      |
|-------------|--------------|-------|-------|-------|------|------|------|-------------|------|------|
|             |              | NOM   | MAX   | MIN   | NOM  | MAX  | MIN  | NOM         | MAX  | MIN  |
| -11         | .060         | .188  | .203  | .183  | .063 | .068 | .060 | .020        | .024 | .016 |
| -12         | .073         | .156  | .162  | .150  | .076 | .079 | .073 | .020        | .024 | .016 |
| -1          | .086         | .188  | .203  | .183  | .093 | .098 | .090 | .031        | .035 | .025 |
| -13         | .086         | .250  | .260  | .245  | .093 | .098 | .090 | .016        | .021 | .011 |
| -2          | .112         | .281  | .297  | .275  | .125 | .127 | .115 | .047        | .049 | .031 |
| -14         | .112         | .343  | .350  | .338  | .125 | .127 | .115 | .031        | .035 | .025 |
| -3          | .138         | .312  | .328  | .305  | .156 | .160 | .140 | .047        | .049 | .031 |
| -15         | .138         | .250  | .260  | .245  | .156 | .160 | .140 | .020        | .024 | .016 |
| -4          | .164         | .375  | .406  | .365  | .187 | .192 | .170 | .047        | .065 | .031 |
| -5          | .190         | .438  | .469  | .425  | .218 | .225 | .200 | .047        | .065 | .031 |
| -16         | .190         | .625  | .688  | .600  | .218 | .225 | .200 | .047        | .065 | .040 |
| -6          | .250         | .625  | .688  | .600  | .281 | .290 | .260 | .047        | .065 | .040 |
| -17         | .250         | .562  | .572  | .550  | .281 | .290 | .260 | .062        | .070 | .056 |
| -18         | .250         | .875  | .890  | .860  | .281 | .290 | .260 | .031        | .035 | .025 |
| -7          | .312         | .688  | .708  | .678  | .344 | .355 | .334 | .047        | .065 | .040 |
| -19         | .312         | .500  | .520  | .490  | .317 | .327 | .314 | .031        | .035 | .025 |
| -8          | .375         | .812  | .832  | .802  | .406 | .420 | .396 | .047        | .065 | .040 |
| -20         | .375         | 1.000 | 1.020 | .990  | .406 | .420 | .392 | .080        | .090 | .070 |
| -9          | .438         | .922  | .942  | .912  | .469 | .484 | .459 | .047        | .065 | .040 |
| -21         | .438         | 1.750 | 1.760 | 1.740 | .469 | .480 | .460 | .031        | .041 | .021 |
| -10         | .500         | 1.062 | 1.082 | 1.052 | .531 | .546 | .521 | .047        | .065 | .040 |
| -22         | .500         | 1.620 | 1.630 | 1.610 | .531 | .546 | .521 | .020        | .025 | .015 |
| -23         | .625         | 1.500 | 1.520 | 1.510 | .656 | .665 | .645 | .062        | .080 | .050 |

AMSC N/A

FSC 5310

## MS51859C

## REQUIREMENTS:

1. Material: Plastic, polyamide (nylon) in accordance with L-P-410, type 6/6 or ASTM D4066, PA111.
2. Part number: The part number shall consist of the basic ms number followed by a dash number from table I.

Example: MS51889 - 11

DASH NUMBER

BASIC MS NUMBER

MS51859-11 indicates: Washer, flat-plastic (nylon); .060 nominal size; .188 outside diameter nominal; .063 inside diameter nominal; .020 thickness nominal.

## NOTES:

1. All dimensions are in inches.
2. In the event of a conflict between the text of this standard and the references cited herein, the text of this standard shall take precedence.

Custodians:  
 Army – AR  
 Air Force – 99

Preparing activity:  
 DLA – IS

(Project 5310 – 2729-000)

Review activities:  
 Air Force – 71

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 <http://assist.daps.dla.mil/>.