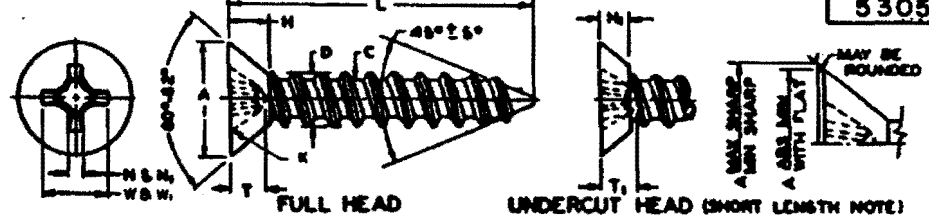


NOTES: - When Government drawings, specifications, or other data are used for any purpose other than to reproduce a drawing or specification, the Government assumes no responsibility for any errors or omissions. The United States Government hereby states that it is not to be regarded as an endorsement or approval of any product or process named herein, or as a warranty or guarantee of the quality or value of any product or process named herein, or as a recommendation of any product or process named herein.

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FED. SUP. CLASS
5305

| NOMINAL SIZE | | 1 (.117) | 2 (.132) | 3 (.146) | 4 (.160) | 5 (.175) | 6 (.187) |
|-------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|
| SURFACE PER INCH | | 26 | 28 | 30 | 32 | 34 | 36 |
| MAJOR DIAMETER D | MAX MIN | .116 .118 | .131 .133 | .145 .147 | .159 .161 | .173 .175 | .187 .189 |
| MINOR DIAMETER C | MAX MIN | .083 .085 | .097 .099 | .111 .113 | .125 .127 | .139 .141 | .153 .155 |
| HEAD DIAMETER A | MAX MIN | .116 .118 | .131 .133 | .145 .147 | .159 .161 | .173 .175 | .187 .189 |
| HEAD HEIGHT H | MAX MIN | .007 .009 | .008 .010 | .010 .012 | .012 .014 | .014 .016 | .016 .018 |
| RECESS DIAMETER V | MAX MIN | .116 .118 | .131 .133 | .145 .147 | .159 .161 | .173 .175 | .187 .189 |
| RECESS DEPTH T | MAX MIN | .009 .011 | .010 .012 | .012 .014 | .014 .016 | .016 .018 | .018 .020 |
| RECESS WIDTH Y | MAX MIN | .010 .012 | .012 .014 | .014 .016 | .016 .018 | .018 .020 | .020 .022 |
| DEPTH OF RECESS Z | MAX MIN | .002 .004 | .003 .005 | .004 .006 | .005 .007 | .006 .008 | .007 .009 |
| HEAD DIAMETER A | MAX MIN | .116 .118 | .131 .133 | .145 .147 | .159 .161 | .173 .175 | .187 .189 |
| HEAD HEIGHT H | MAX MIN | .007 .009 | .008 .010 | .010 .012 | .012 .014 | .014 .016 | .016 .018 |
| RECESS DIAMETER V | MAX MIN | .116 .118 | .131 .133 | .145 .147 | .159 .161 | .173 .175 | .187 .189 |
| RECESS DEPTH T | MAX MIN | .009 .011 | .010 .012 | .012 .014 | .014 .016 | .016 .018 | .018 .020 |
| RECESS WIDTH Y | MAX MIN | .010 .012 | .012 .014 | .014 .016 | .016 .018 | .018 .020 | .020 .022 |
| DEPTH OF RECESS Z | MAX MIN | .002 .004 | .003 .005 | .004 .006 | .005 .007 | .006 .008 | .007 .009 |
| RADIUS R | | .005 | .005 | .005 | .005 | .005 | .005 |
| DRIVER SIZE | | 1 | 2 | 2 | 2 | 3 | 3 |

| LENGTH L | TOLERANCE | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. |
|----------|-----------|----------|----------|----------|----------|----------|----------|
| 1/4 | ± 1/32 | - 1 - | - 12 - | - 26 - | 35 | | |
| 5/16 | | 3 | 13 | 27 | 36 | | |
| 3/8 | | 4 | 14 | 28 | 37 | 44 | 60 |
| 1/2 | | 5 | 15 | 29 | 38 | 45 | 61 |
| 5/8 | ± 1/64 | 6 | 16 | 30 | 39 | 46 | 62 |
| 3/4 | | 7 | 17 | 31 | 40 | 47 | 63 |
| 7/8 | | 8 | 18 | 32 | 41 | 48 | 64 |
| 1 | | 9 | 19 | 33 | 42 | 49 | 65 |
| 1-1/4 | | | | | | | |
| 1-1/2 | | | | | | | |
| 1-3/4 | | | | | | | |
| 2 | | | | | | | |

MATERIAL: Steel, carbon, in accordance with procurement specification.

FINISH: Cadmium plated in accordance with Federal Specification QQ-W-436, Type II, Class 3.

THREADS: Thread type to be in accordance with applicable requirements of procurement specification.

HEAD TREATMENT: Case hardened or heat treatment to meet performance requirements of procurement specification.

RECESS: Except for dimensions V, T, Y, Z and Depth of Recess, the recess shall be in accordance with MS 9006.

SHORT LENGTHS: Lengths above dotted line have fine pitch threads and undercut heads as indicated (Size 4 undercut head only).

HOLE SIZES: For approximate hole sizes see MS 24611.

DEFINITIONS: All dimensions are in inches unless otherwise specified.

PART NUMBER: The MS part number consists of the MS number plus the dash number. Example MS 24615-1.

NOTES: (1) For design feature purposes, this standard takes precedence over procurement documents referenced herein.

(2) Referenced documents shall be of the issue in effect on date of invitation for bid.

ⓑ CANCELLED, SEE SHEET 2

ⓑ FOR CHANGES SEE SHEETS 182

| P.A. | WC | TITLE | MILITARY STANDARD |
|---------------------------|----------|---|-------------------|
| Other Cus | SH | SCREW, TAPPING-THREAD FORMING, TYPE A, FLAT 82° | MS 24615 |
| | 82 | COUNTERSUNK HEAD, CROSS RECESSED, STEEL, CARBON, CADMIUM PLATED | |
| PROCUREMENT SPECIFICATION | FF-S-107 | SUPPRESSED | SHEET 1 OF 2 |