REQUIREMENTS

1. MATERIAL: CORROSION RESISTANT STEEL, TYPES 302 (UNS S30200), 303 (UNS S30300), 304 (UNS S30400), 304M (UNS S30403), 305 (UNS S30500), AND 316 (UNS S31600) IN ACCORDANCE WITH PROCUREMENT SPECIFICATION QQ-P-35.

2. CLEANED, DESCALED AND PASSIVATED: SCREWS SHALL BE CLEANED DESCALED AND PASSIVATED IN ACCORDANCE WITH QQ-P-35.

3. PROTECTIVE COATING AND SURFACE TREATMENT: WHEN SPECIFIED, SCREWS SHALL BE BLACK OXIDE COATED IN ACCORDANCE WITH MIL-C-13924 CLASS 4 (WHEN BLACK OXIDE COATING IS REQUIRED, THE DASH NUMBER SHALL BE FOLLOWED BY A CODE LETTER "F")

4. MAGNETIC PERMEABILITY: THESE SCREWS HAVE A MAGNETIC PERMEABILITY OF 2.0 MAXIMUM (μᵣ = 10) FOR A FIELD STRENGTH OF H = 200 GASTROUS USING A MAGNETIC INDICATOR IN ACCORDANCE WITH MIL-I-17214.

5. THREADS: THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/2 ACCEPTABILITY OF SCREW THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/20 SYSTEM 22 ACCEPTABILITY OF SCREW THREADS FOR SIZES 060 (#6) AND 100 (#10) SHALL BE IN ACCORDANCE WITH FED-STD-H28/20 SYSTEM 21 SCREWS ABOVE HEAVY LINES SHALL HAVE COMPLETE (FULL FORM) THREADS EXTENDING TO WITHIN TWO THREADS OF THE HEAD.

6. HEAD STYLE: HEAD OF SCREW MAY BE KNUCKLED OR NOT KNUCKLED AT THE OPTION OF THE MANUFACTURER TYPE OF KNUCKLING OPTIONAL.


8. PART NUMBER: PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER FOLLOWED BY A DASH NUMBER FROM TABLE 1 AND A CODE LETTER "F" FROM BLACK OXIDE IF APPLICABLE.

MS16996-1B indicates - SCREW, CAP SOCKET HEAD, HEXAGON, CORROSION RESISTANT STEEL, UNF-3A, 060-600 UNF-3A NOMINAL THREAD SIZE, 125 LENGTH, BLACK OXIDE COATING.

NOTES

1. ALL DIMENSIONS ARE IN INCHES.

2. THE BASIC THREAD LENGTH "L" (TABLE 1) IS A REFERENCED VALUE CONTROLLED BY THE GRIP LENGTH AND "L" LENGTH AS SPECIFIED.


4. REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THIS ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (GO/DEIS) SPECIFIED IN THE SPECIFICATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREBIN.