

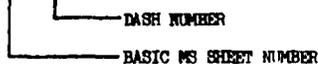
TABLE I. DASH NUMBERS AND DIMENSIONS

DASH NO	D THREAD SIZE NOM	ØA HEAD		ØD ₁ RELIEF		H HEAD HEIGHT		J SLOT WIDTH		K SLOT DEPTH		R FILLET RADIUS	T THREAD LENGTH		U RELIEF BODY LENGTH	
		MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN		MAX	MIN	MAX	MIN
1	.112-4UNC-2A	.266	.234	.072	.067	.141	.109	.039	.031	.048	.035	.017	.197	.177	.291	.271
2	.138-32UNC-2A	.297	.265	.086	.081	.141	.109	.048	.039	.060	.045	.021	.228	.208	.322	.302
3	.138-32UNC-2A	.297	.265	.086	.081	.141	.109	.048	.039	.060	.045	.021	.228	.208	.335	.365
4	.138-32UNC-2A	.297	.265	.086	.081	.141	.109	.048	.039	.060	.045	.021	.228	.208	.447	.427
5	.164-32UNC-2A	.329	.297	.114	.109	.172	.140	.054	.045	.071	.054	.025	.260	.240	.478	.458
6	.190-32UNF-2A	.391	.359	.136	.131	.204	.172	.060	.050	.083	.064	.029	.322	.302	.603	.583

REQUIREMENTS:

- MATERIAL.** CORROSION RESISTANT STEEL, 300 SERIES IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
- CLEANING, DESCALING AND PASSIVATION.** CLEANED, DESCALED AND PASSIVATED IN ACCORDANCE WITH ASTM A380-78.
- MAGNETIC PERMEABILITY.** THE SCREW SHALL MEET THE MAGNETIC PERMEABILITY REQUIREMENTS OF PROCUREMENT SPECIFICATION.
- 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 (21).
- PART NUMBER.** THE PART NUMBER SHALL CONSIST OF THE BASIC MS SHEET NUMBER, FOLLOWED BY A DASH NUMBER TAKEN FROM TABLE I

EXAMPLE: MS51495-4



MS51495-4 INDICATES - SCREW, EXTERNALLY RELIEVED BODY, FILLISTER HEAD; .138-32UNC-2A NOMINAL THREAD SIZE; .427 MINIMUM RELIEF BODY LENGTH

NOTES:

- DIMENSIONS ARE IN INCHES.
- REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON THE DATE OF INVITATIONS FOR BIDS, OR REQUEST FOR PROPOSAL, EXCEPT THAT REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED.
- FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

USER ACTIVITIES
ARMY-MI
NAVY-MC

REVIEWER ACTIVITIES
ARMY-AT,AV
AIR FORCE-82
DLA-IS

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

APPROVED 10 JULY 1984
REVISED

PA Other Cust	AR 99	INTERNATIONAL INTEREST	TITLE SCREW, EXTERNALLY RELIEVED BODY, FILLISTER HEAD	MILITARY STANDARD MS51495
PROCUREMENT SPECIFICATION FF-S-92	SUPERSEDES		PAGE	OF