

RECESS- SEE REQ T 5

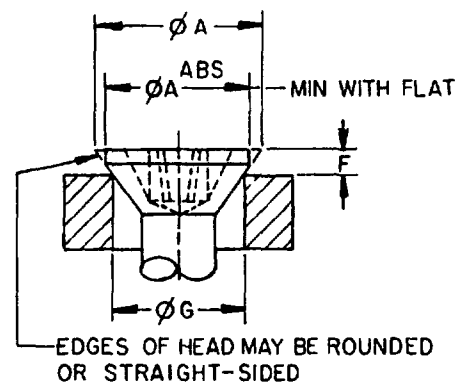
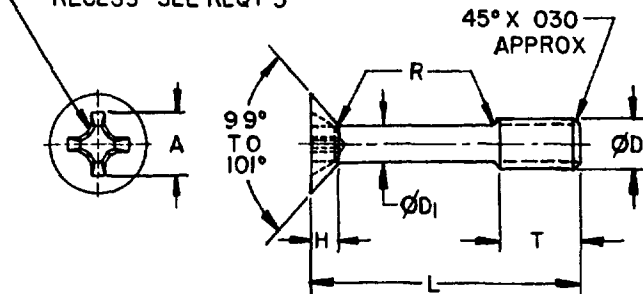


TABLE I. DASH NUMBERS AND DIMENSIONS.

ØD    THREAD SIZE		.1120-40UNC-2A	
ØD <sub>1</sub> RELIEF DIAMETER	MAX	.084	
	MIN	.078	
Ø A    HEAD DIAMETER	MAX SHARP	.225	
	MIN SHARP	.207	
	ABS MIN	.191	
F    PROTRUSION ABOVE GAGING DIAMETER	MAX	.025	
	MIN	.016	
Ø G    GAGING DIAMETER	REF	.167	
H    HEAD HEIGHT	REF	.049	
R    RADIUS	MAX	.020	
	MIN	.014	
T    THREAD LENGTH	MAX	.160	
	MIN	.140	
L    LENGTH	MAX	370	.410
	MIN	.350	.390
DASH NUMBER		-1	-2

USER ACTIVITIES  
ARMY-AT, MI  
NAVY-MCREVIEWER ACTIVITIES  
ARMY-AV, EA  
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.

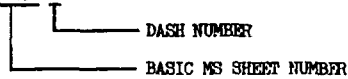
PA Other Cust	AR 99	INTERNATIONAL INTEREST	TITLE SCREW, EXTERNALLY RELIEVED BODY, FLAT COUNTERSUNK HEAD, 100°, CROSS- RECESSED	MILITARY STANDARD MS51494
PROCUREMENT SPECIFICATION FF-S-92		SUPERSEDES		PAGE 1 OF 2

FED SUP CLASS  
5305

## REQUIREMENTS:

1. MATERIAL. STEEL, CORROSION RESISTANT, 300 SERIES, IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
2. CLEANED, DESCALED AND PASSIVATED. THE SCREW SHALL BE CLEANED, DESCALED AND PASSIVATED IN ACCORDANCE WITH ASTM A380-78.
3. FINISH. BLACK OXIDE COATED IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
4. MAGNETIC PERMEABILITY. THE SCREW SHALL MEET THE MAGNETIC PERMEABILITY REQUIREMENTS OF PROCUREMENT SPECIFICATION.
5. RECESS. THE RECESS SHALL BE IN ACCORDANCE WITH MS9006.
6. 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.
7. PART NUMBER. THE PART NUMBER CONSISTS OF THE BASIC MS NUMBER, PLUS THE DASH NUMBER FROM TABLE I.

EXAMPLE: MS51494-2



MS51494-2 INDICATES - SCREW, EXTERNALLY RELIEVED BODY, FLAT COUNTERSUNK HEAD, 100°, CROSS-RECESSED, .1120-40UNC-2A NOMINAL SIZE; .410 NOMINAL LENGTH

## NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. 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
3. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

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REVISEDARMY-AT, MI  
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