

MIL-I-45932
AMENDMENT 1
12 November 1973

MILITARY SPECIFICATION

INSERT, SCREW THREAD, THIN WALL, LOCKED IN: GENERAL SPECIFICATION FOR

This amendment forms a part of Military Specification MIL-I-45932, dated 21 April 1971, and is approved for use by all Departments and Agencies of the Department of Defense.

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Para. 2.2 - Delete all reference to "ASTM E10".

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Para. 3.2.1 - At end of paragraph add "(Inactive for new design after 12 November 1973.)"

Page 6

Para. 3.7.1 - Delete the first sentence and substitute "Internal threads shall be in accordance with MIL-S-8879."

Para. 3.7.1 - At end of second sentence add "sheet."

Para. 3.7.2 - Delete "Handbook H28, Part I" and substitute "MIL-S-7742". At end of paragraph add "sheet."

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Table IV - Delete in its entirety and substitute the following:

TABLE IV
SHEAR ENGAGEMENT AREA
INSERT EXTERNAL THREAD

NOMINAL SIZE INTERNAL THREAD	MEAN SHEAR ENGAGEMENT AREA (IN. ²) 1/					
	MIL-I-45932/1 AND INACTIVE DASH NUMBERS OF MIL-I-45932/2	MIL-I-45932/2 - ACTIVE DASH NUMBERS				
		-004 THRU -021	-104 THRU -121	-204 THRU -227	-304 THRU -327	-404 THRU -421
.060	.0090					
.096	.0196		.0196		.0330	.0155
.112	.0330		.0330		.0454	.0261
.138	.0504		.0504		.0619	.0358
.164	.0736		.0736		.0860	.0618
.190	.1000		.1000		.1389	.0723
.250	.1820		.1820		.2336	.1201
.3125	.2920		.2920		.3745	.1927
.375	.4400				.5523	
.4375	.5920					
.500	.8000				.9428	
.5625	1.0160					
.625	1.2800					
.750	1.8640					
.875	2.8430					
1 000	3.4010					

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Table V - Delete in its entirety and substitute the following:

TABLE V
RESISTANCE TO PULLOUT
INSERT EXTERNAL THREAD

NOMINAL SIZE INTERNAL THREAD	MEAN RESISTANCE TO PULLOUT (LBS) ^{1/}				
	MIL-I-45932/1 AND INACTIVE DASH NUMBERS OF MIL-I-45932/2	MIL-I-45932/2 - ACTIVE DASH NUMBERS			
		-004 THRU -021	-104 THRU -121	-204 THRU -227	-304 THRU -327
.060	225				
.086	490	490		825	390
.112	825	825		1,130	650
.138	1,260	1,260		1,550	900
.164	1,840	1,840		2,150	1,550
.190	2,500	2,500		3,450	1,950
.250	4,550	4,550		5,850	3,000
.3125	7,300	7,300		9,350	4,800
.375	11,000			13,800	
.4375	14,800				
.500	20,000			23,500	
.5625	25,000				
.625	32,000				
.750	46,000				
.875	71,000				
1.000	85,000				

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Table VI - Delete in its entirety and substitute the following:

TABLE VI
ROTATIONAL RESISTANCE
INSERT EXTERNAL THREAD

NOMINAL SIZE INTERNAL THREAD	MINIMUM ROTATIONAL RESISTANCE (IN.-LBS)				
	MIL-I-45932/1 AND INACTIVE DASH NUMBERS OF MIL-I-45932/2	MIL-I-45932/2 - ACTIVE DASH NUMBERS			
		-004 THRU -021	-104 THRU -121	-204 THRU -227	-304 THRU -327
.060	4				
.086	10	10		20	8
.112	20	20		25	15
.138	30	30		35	20
.164	45	45		50	40
.190	60	60		75	50
.250	100	100		120	65
.3125	160	160		200	100
.375	240			260	
.4375	350				
.500	450			450	
.5625	600				
.625	900				
.750	1,200				
.875	1,500				
1.000	1,900				

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Para. 4.5.1 - Delete "Handbook H28, Screw-Thread Standards for Federal Services" and substitute "MIL-S-7742". At end of first sentence add "sheet.".

Para. 4.5.2 - Delete in its entirety and substitute the following:

"4.5.2 Internal threads. Internal threads shall be examined in accordance with MIL-S-8879."

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Para. 4.6.5 - Delete the second sentence and substitute the following:

"The test procedure shall be test no. 6 of MIL-STD-1312."

Custodians:

Army - WC

Navy - None

Air Force - 82

Preparing Activity:

Army - WC

Project No. 5340-1060

Reviewer Activities:

Army - AV, ME

Navy - None

Air Force - None

DSA - IS

User Activities:

Army - AT

Navy - AS, MC, OS

Air Force - None