

INCH-POUND

MIL-PRF-19207/25G

6 March 2014

SUPERSEDING

MIL-PRF-19207/25F

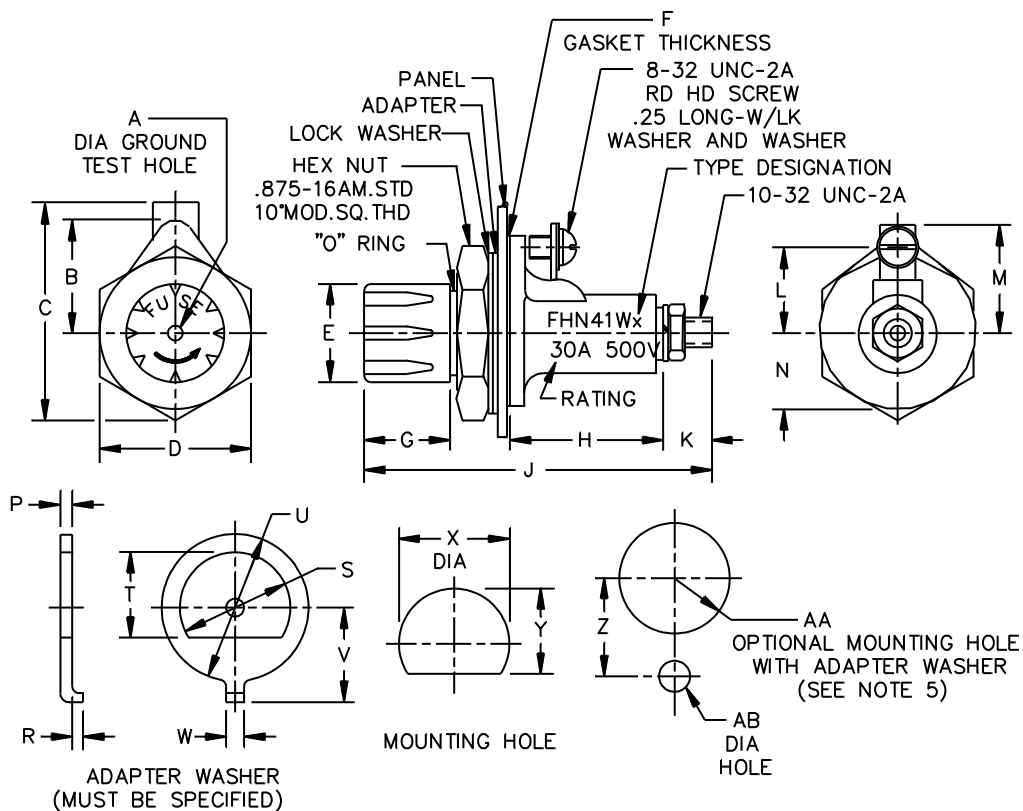
17 July 2007

PERFORMANCE SPECIFICATION SHEET

FUSEHOLDERS, EXTRACTOR POST TYPE, NONINDICATING, NON-EMI/RFI SHIELDED AND EMI/RFI SHIELDED, TYPES FHN41W, FHN41WS, FHN41WB AND FHN41WBS

This specification is approved for use by all departments and agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and [MIL-PRF-19207](#).



See notes on next page.

FIGURE 1. Type FHN41W and FHN41WB fuseholder.

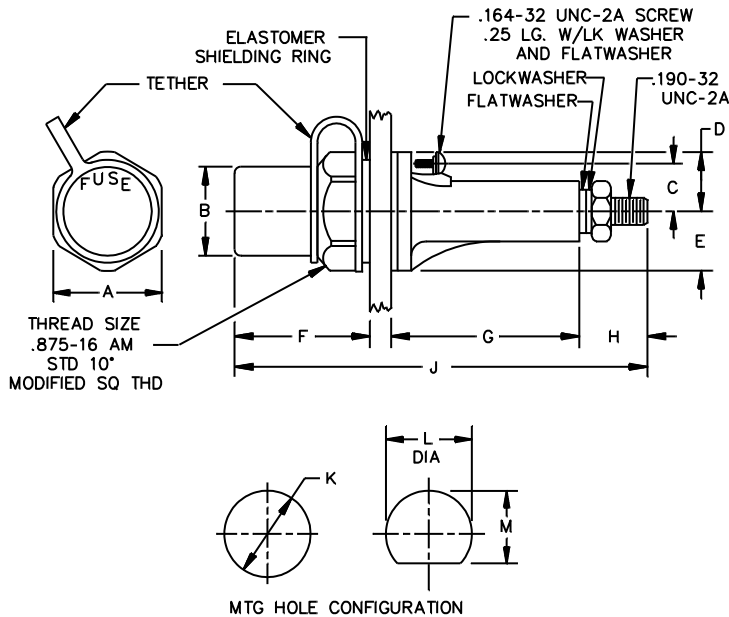
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Ltr	Inches		mm		Ltr	Inches		mm	
	Min	Max	Min	Max		Min	Max	Min	Max
A	.088	.098	2.24	2.49	P	.027	.037	.69	.94
B	.780 (REF)		19.81 (REF)		R	.026	.036	.66	.91
C	1.59 (REF)		40.39 (REF)		S	.877	.887	22.28	22.53
D	1.100	1.140	27.94	28.96	T	.813	.823	20.65	20.90
E	.860	.900	21.84	22.86	U	1.120	1.130	28.45	28.70
F	.040	.080	1.02	2.03	V	.620	.630	15.75	16.00
G	.540	.580	13.72	14.73	W	.089	.099	2.26	2.51
H	1.350	1.390	34.29	35.31	X	.882	.887	22.40	22.53
J	2.690 (REF)		68.33 (REF)		Y	.820	.825	20.83	20.96
K	.380	.420	9.65	10.67	Z	.620	.630	15.75	16.00
L	.660 (REF)		16.76 (REF)		AA	.882	.887	22.40	22.53
M	---	.940	---	23.88	AB	.120	.130	3.05	3.30
N	.560 (REF)		14.22 (REF)						

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are ± 0.02 . (0.51 mm) for two place decimals and ± 0.005 (0.13 mm) for three place decimals.
4. Cap thread shall be 9/16-27 NEF2 thread with full provisions for cap interchangeability.
5. Round hole mounting for replacement only. Use adapter washer for non-watertight applications.
6. The location (on the fuseholder body) of the manufacturer's identification and electrical rating is optional.

FIGURE 1. Type FHN41W and FHN41WB fuseholder. - Continued.



See notes on next page.

FIGURE 2. Type FHN41WS and FHN41WBS fuseholder.

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Ltr	Inches		mm		Ltr	Inches		mm	
	Min	Max	Min	Max		Min	Max	Min	Max
A	1.210	1.250	30.73	31.75	G	---	1.440	---	36.58
B	1.120	1.160	28.45	29.46	H	---	.380	---	9.65
C	.540	.580	13.72	14.73	J	2.950 (REF)		74.93 (REF)	
D	---	.860	---	21.84	K	.882	.887	22.40	22.53
E	.530	.570	13.46	14.48	L	.882	.887	22.40	22.53
F	1.01 (REF)		25.65 (REF)		M	.820	.825	20.83	20.96

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are ± 0.02 . (0.51 mm) for two place decimals and ± 0.005 for three place decimals.
4. Cap thread shall be 9/16-27 NEF2 thread with full provisions for cap interchangeability.
5. Round hole mounting for replacement only. Use adapter washer for non-watertight applications.
6. The location (on the fuseholder body) of the manufacturer's identification and electrical rating is optional.

FIGURE 2. Type FHN41WS and FHN41WBS fuseholder. - Continued.

REQUIREMENTS:

Interface and physical dimensions: See [figure 1](#).

Body material: Body material shall be selected to enable the fuseholder to meet the performance requirements of this specification. Additional information and guidance on body molding material is specified in the notes.

Fuse accommodation:

Ferrule type:

Size: 0.406 inch (10.31 mm) diameter, 1.500 inches (38.10 mm) length

Styles: F07: [MIL-PRF-15160/7](#), F09: [MIL-PRF-15160/9](#), F60: [MIL-PRF-15160/60](#).

Poles: One

Rating: 30 amperes, 500 volts maximum

Panel thickness: 0.125 inch (3.18 mm) maximum

Nonindicating:

Lamp series indicator: None

Terminals: Threaded stud and screw type.

Enclosure: Watertight (FHN41W), watertight with EMI/RFI shielding (FHN41WS), watertight and body sealed (FHN41WB) (for submarine applications use FHN41WB) or watertight and body sealed with EMI/RFI shielding (FHN41WBS).

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Test fuses:

Temperature rise: F60C500V30A of [MIL-PRF-15160/60](#).

Voltage drop: F60C500V30A of [MIL-PRF-15160/60](#).

Short circuit: F60C500V30A of [MIL-PRF-15160/60](#).

Mechanical shock: Method I of [MIL-PRF-19207](#).

Terminal strength: 20 pounds.

Torque: Terminal - 25 inch- pounds.

Mounting - 15-20 inch- pounds.

Cap insert - 30 inch-pounds.

Salt spray (corrosion): Test condition B.

Dielectric:

Sea level: 2,000 volts

Reduced pressure: 750 volts

EMI/RFI shielding: Paragraph 3.5.18 of [MIL-PRF-19207](#).

Part or Identifying Number (PIN): Watertight (FHN41W), watertight with EMI/RFI shielding (FHN41WS), watertight and body sealed (FHN41WB) or watertight and body sealed with EMI/RFI shielding (FHN41WBS).

TABLE I Supersession information.

Superseding PIN	Superseded MIL dash number
FHN41W	M19207/25-001
FHN41WS	N/A
FHN41WB	M19207/25-002
FHN41WBS	N/A

NOTES:

1. Body molding material: It is recommended that type MAI-60 or GDI-30F of American Society For Testing and Materials [ASTM-D5948](#) be considered for meeting the body molding material requirements of this specification.
2. For submarine applications use FHN41WB or FHN41WBS.
3. EMI/RFI shielded type fuseholders are equivalent to the non-shielded type fuseholders with the addition of EMI/RFI shielding cap and mounting nut assembly.
4. To assure maximum shielding effectiveness mounting nut must be torqued to 15-20 inch-pounds over an electrically conductive panel surface, 1.26 inch minimum diameter.

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Referenced documents. In addition to [MIL-PRF-19207](#), this document references the following:

[ASTM-D5948](#) [MIL-PRF-15160/7](#) [MIL-PRF-15160/9](#) [MIL-PRF-15160/60](#)

The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Custodians:

Army - CR
Navy - SH
Air Force - 85
DLA - CC

Preparing Activity:

DLA - CC

(Project 5920-2012-068)

Review Activities:

Army - AT, CR4, MI
Navy - AS, EC, OS
Air Force - 70, 71, 99

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