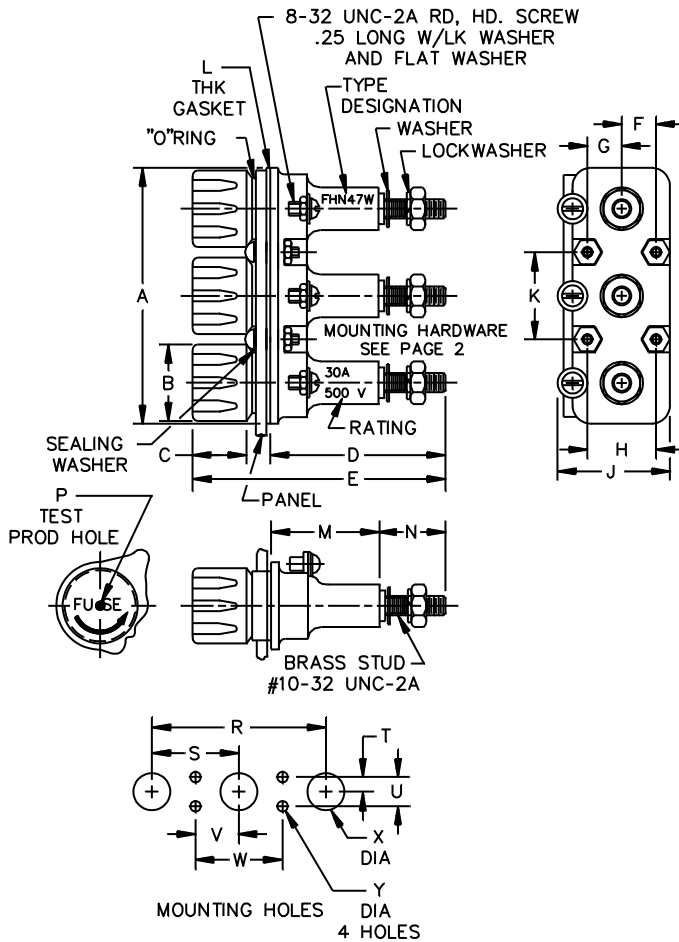


PERFORMANCE SPECIFICATION SHEET

FUSEHOLDERS, EXTRACTOR POST TYPE,  
NONINDICATING, TYPES FHN47W AND FHN47WB

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 page 2.

FIGURE 1. Type FHN47W and type FHN47WB fuseholder.

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Ltr	Inches		mm		Ltr	Inches		mm	
	Min	Max	Min	Max		Min	Max	Min	Max
A	2.860	2.900	72.64	73.66	M	1.140	1.180	28.96	29.97
B	.860	.900	21.84	22.86	N	.360	.400	9.14	10.16
C	.540	.580	13.72	14.73	P	.088	.098	2.24	2.49
D	1.400 (REF)		35.56 (REF)		R	2.000	2.013	50.80	51.13
E	2.700	2.740	68.58	69.60	S	.994	1.009	25.25	25.63
F	.470 (REF)		11.94 (REF)		T	.246	.256	6.25	6.50
G	.560 (REF)		14.22 (REF)		U	.497	.507	12.62	12.88
H	.500 (REF)		12.70 (REF)		V	.496	.506	12.60	12.85
J	1.190 (REF)		30.23 (REF)		W	.997	1.007	25.32	25.58
K	.995	1.005	25.27	25.53	X	.771	.786	19.58	19.96
L	.040	.080	1.02	2.03	Y	.147	.157	3.73	3.99

NOTES:

1. Dimensions are in inches.
2. Metric equivalents (to the nearest 0.01 mm) are given for general information only, and are based upon 1 inch = 25.4 mm.
3. Unless otherwise specified, tolerances are  $\pm 0.02$  (0.51 mm) for two place decimals and  $\pm 0.005$  (0.13 mm) for three-place decimals.
4. Cap thread shall be 9/16-27NEF-2 and provide for cap interchangeability.
5. Cap and body molding material: It is recommended that types MAI-60, GDI-30F or SDG-F of American Society for Testing and Materials [ASTM-D5948](#) be considered for meeting the cap and body molding material requirements of this specification.
6. Gaskets and O-rings: It is recommended that class 3 silicone rubber of [A-A-59588](#) (Rubber, Silicone), be considered for use in meeting the gasket and o-ring material requirements of this specification.

FIGURE 1. Type FHN47W and type FHN47WB fuseholder - continued.

REQUIREMENTS:

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

Cap and body molding material: Cap and body molding materials shall be selected to enable the fuseholder to meet the performance requirements of this specification. Additional information and guidance on cap and body molding material are 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-15160/07](#), F09: [MIL-PRF-15160/09](#), and F60: [MIL-PRF-15160/60](#).  
(or equivalent size and styles)

Poles: Three.

Rating: 30 amperes maximum, 500 volts maximum.

Panel thickness: 0.125 inch (3.18 mm) maximum.

Nonindicating.

Terminals: Screw and threaded stud (see [figure 1](#)).

Enclosure: Watertight or watertight and body sealed (for submarine applications use FHN47WB).

Weight: 5.5 ounces maximum.

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Gaskets and O-rings: Gaskets and O-rings shall be used that enable the fuseholder to meet the performance requirements of this specification. Additional information and guidance on gaskets and O-rings are specified in the notes.

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: Cap - 36 inch-pounds, terminal - 25 inch-pounds.

Salt spray (corrosion): Test condition B.

Dielectric:

- Sea level: 2,000 volts.
- Reduced pressure: 750 volts.

Mounting hardware:

- Screw: 6-32UNC-2A, Round head with sealing washer.
- Nut: 6-32UNC-2B Hex. A threaded metal insert may be used in lieu of nut.

Part or Identifying Number (PIN): FHN46W or FHN46WB, depending on type, see [table I](#).

TABLE I.

Superseding PIN	Superseded military part number
FHN47W	M19207/31-001
FHN47WB	M19207/31-002

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](#)
- [A-A-59588](#)

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 5920-2012-070)

Review Activities:  
Army - AT, CR4, MI  
Navy - AS, MC  
Air Force - 70, 71

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.