**Specification Details:** **Date: 4/15/2008**

Specification: MIL-DTL-27272
Title: Fittings, Tetrafluoroethylene Hose, High Temperature, Medium Pressure
Federal Supply Class (FSC): 4730
Conventional: Yes
Specification contains quality assurance program: No
MIL-STD-790 Established Reliability & High Reliability: No
MIL-STD-690 Failure Rate Sampling Plans & Procedures: No
Weibull Graded: No
Specification contains space level reliability requirements: No
Specification allows test optimization: No

**Contact Information:**

DSCC Office of Primary Involvement: Passive Devices Team, DSCC-VQP
Primary DSCC-VQ Contact: 614-692-0665, e-mail: vqp.go@dla.mil
Secondary DSCC-VQ Contact: 614-692-0666, e-mail: vqp.mp@dla.mil

**Notes:**

Listing of a manufacturer's product herein as an MS number indicates approval for each subassembly part, as well as the complete assembly.

Where lockwire holes are required in the coupling nut, a suffix letter "L" shall be added to the MS and manufacturer's part numbers.

**Part Configuration:**

**MS27053-16C**

| MS Number | Dash Number |
|---|---|
| MS27053 | -16C |

**Part Listings:**

| GOVERNMENT DESIGNATION | MANUFACTURER'S DESIGNATION OR TYPE NUMBER | TEST OR QUALIFICATION REFERENCE | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|---|---|---|---|
| MS27053-8 thru -12 | F66826-8 thru -12 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27053-3/4C thru -12C | F66000-3/4 thru -12 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27053-16 thru -24 | F66821-16 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27053-16C thru -24C | F66057-16 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27054-8 thru -12 | F62010-8 thru -12 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27054-8C thru -12C | F62008-8 thru -12 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27054-16 thru -24 | F62009-16 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27054-16C thru -24C | F62007-16 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27055-10 thru -12 | F66532-10 thru -12 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27055-10C thru -12C | F6634-10 thru -12 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27055-16 thru -24 | F66533-16 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27055-16C thru -24C | F6679-16 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27056-8 thru -12 | F66722-8 thru -12 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27056-8C thru -12C | F66121-8 thru -12 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27056-16 thru -24 | F66513-16 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27056-16C thru -24C | F66244-16 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27057-10C | F6606-10 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27057-10 thru -12 | F6653-10 thru -12 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27057-16 thru -24 | F66535-16 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27057-16C thru -24C | F6677-16 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27058-8 thru -12 | F66723-8 thru -12 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27058-8C thru -12C | F6606-8 thru -12 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27058-16 thru -24 | F66512-16 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27058-16C thru -24C | F66245-16 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |

| GOVERNMENT DESIGNATION | MANUFACTURER'S DESIGNATION OR TYPE NUMBER | TEST OR QUALIFICATION REFERENCE | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|---|---|---|---|
| MS27059-8 | F66555-8 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27059-3/4C thru -8C | F6633-3/4 thru -8 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27060-3/4C thru -8C | F6605-3/4 thru -8 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27060-8 | F6699-8 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27061-3/4C thru -24C | F6608-3/4 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27381-8 thru -12 | F66840-8 thru -12 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27381-3/4C thru -12C | F66018-3/4 thru -12 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27381-16 thru -24 | F66024-16 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27381-16C thru -24C | F68023-16 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27382-10 thru -12 | F62148-10 thru -12 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27382-10C thru -12C | F66101-10 thru -12 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27382-16 thru -24 | F62151-16 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27382-16C thru -24C | F66421-16 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27383-10 thru -12 | F66393-10 thru -12 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27383-10C thru -12C | F66103-10 thru -12 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27383-16 thru -24 | F66746-16 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27383-16C thru -24C | F66422-16 thru -24 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27384-8 | F62124-8 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27384-3/4C thru -8C | F66113-3/4 thru -8 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27385-8 | F66631-8 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27385-3/4C thru -8C | F66104-3/4 thru -8 | SEG ltr., 14 Sep 66 | Eaton Aeroquip Corp. |
| MS27053-3/4C thru -16C | 148-05200-3/4 thru -16 | EN ltr., 17 Jun 71; EN ltr., 8 Aug 83; EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27053-8 thru -16 | 148-05200-8A thru -16A | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27054-8C thru -16C | 148-05202-8 thru -16 | EN ltr., 17 Jun 71; EN ltr., 8 Aug 83; EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27055-10 thru -16 | 148-05204-10A thru -16A | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27055-10C thru -16C | 148-05204-10 thru -16 | EN ltr., 17 Jun 71; EN ltr., 8 Aug 83; EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27056-8C thru -16C | 148-05206-8 thru -16 | EN ltr., 17 Jun 71; EN ltr., 8 Aug 83; EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27057-10 thru -16 | 148-05208-10A thru -16A | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27057-10C thru -16C | 148-05208-10 thru -16 | EN ltr., 17 Jun 71; EN ltr., 8 Aug 83; EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27058-8C thru -16C | 148-05210-8 thru -16 | EN ltr., 17Jun 71; EN ltr., 8 Aug 83; EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27059-8 | 148-05212-8A | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27059-3/4C thru -8C | 148-05212-3/4 thru -8 | EN ltr., 17 Jun 71; EN ltr., 8 Aug 83; EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27060-8 | 148-05214-8A | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27060-3/4C thru -8C | 148-05214-3/4 thru -8 | EN ltr., 17 Jun 71; EN ltr., 8 Aug 83; EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27061-3/4C | 148-33291-3/4 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27061-4C | 148-54757-4 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27061-5C | 148-54758-5 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27061-6C | 148-54759-6 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27061-8C | 148-54760-8 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27061-10C | 148-54761-10 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27061-12C | 148-54762-12 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27061-16C | 148-33300-16 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27062-8C | 148-07045-8 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27062-10C | 148-07046-10 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27062-12C | 148-07047-12 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |

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|---|---|---|---|
| MS27062-16C | 148-07048-16 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27063-10C | 148-32775-10 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27063-12C | 148-32776-12 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27063-16C | 148-33368-16 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27064-8C | 148-33960-8 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27064-10C | 148-33961-10 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27064-12C | 148-33916-12 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27064-16C | 148-33917-16 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27065-10C | 148-32655-10 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27065-12C | 148-32656-12 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27065-16C | 148-33348-16 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27066-8C | 148-33964-8 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27066-10C | 148-33965-10 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27066-12C | 148-33924-12 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27066-16C | 148-33925-16 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27067-3/4C | 148-33274-3/4 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27067-4C | 148-31969-4 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27067-5C | 148-31970-5 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27067-6C | 148-31971-6 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27067-8C | 148-31992-8 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27068-3/4C | 148-33282-3/4 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27068-4C | 148-31981-4 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27068-5C | 148-31982-5 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27068-6C | 148-31983-6 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27068-8C | 148-31993-8 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27069-4C | 148-07032-4 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27069-5C | 148-07033-5 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27069-6C | 148-07034-6 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27069-8C | 148-07035-8 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27069-10C | 148-07036-10 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27069-12C | 148-07037-12 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27069-16C | 148-07038-16 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27070-4C | 148-32911-4 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27070-5C | 148-32912-5 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27070-6C | 148-32913-6 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27070-8C | 148-32914-8 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27070-10C | 148-32915-10 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27070-12C | 148-32916-12 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27070-16C | 148-32917-16 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27381-8 thru -16 | 148-05216-8A thru -16A | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27381-3/4C thru -16C | 148-05216-3/4 thru -16 | EN ltr., 17 Jun 71; EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27382-10 thru -16 | 148-05219-10A thru -16A | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27382-10C thru -16C | 148-05219-10 thru -16 | EN ltr., 17 Jun 71; EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27383-10 thru -16 | 148-05220-10A thru -16A | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27383-10C thru -16C | 148-05220-10 thru -16 | EN ltr., 17 Jun 71; EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27384-8 | 148-05217-8A | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27384-3/4C thru -8C | 148-05217-3/4 thru -8 | EN ltr., 17 Jun 71; EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |

| GOVERNMENT DESIGNATION | MANUFACTURER'S DESIGNATION OR TYPE NUMBER | TEST OR QUALIFICATION REFERENCE | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|---|---|---|---|
| MS27385-8 | 148-05218-8A | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27385-3/4C thru -8C | 148-05218-3/4 thru -8 | EN ltr., 17 Jun 71; EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27386-3/4C | 148-33279-3/4 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27386-4C | 148-30341-4 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27386-5C | 148-30342-5 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27386-6C | 148-30343-6 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27386-8C | 148-30344-8 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27386-10C | 148-30345-10 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27386-12C | 148-30346-12 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27386-16C | 148-30347-16 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27387-10C | 148-30415-10 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27387-12C | 148-30416-12 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27387-16C | 148-30417-16 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27388-10C | 148-30475-10 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27388-12C | 148-30476-12 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27388-16C | 148-30477-16 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27389-3/4C | 148-33174-3/4 | EN ltr., 20 Aor 77 | Hydrasearch Company, Inc. |
| MS27389-4C | 148-07078-4 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27389-5C | 148-07079-5 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27389-6C | 148-07080-6 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27389-8C | 148-07081-8 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27390-3/4C | 148-33175-3/4 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27390-4C | 148-07082-4 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27390-5C | 148-07083-5 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27390-6C | 148-07084-6 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27390-8C | 148-07085-8 | EN ltr., 20 Apr 77 | Hydrasearch Company, Inc. |
| MS27053-8 thru -24 | 851-8D thru -24D | SAALC ltr., 5 Mar 85 | Parker Hannifin Corp. |
| MS27053-3/4C thru -24C | 851-3/4CR thru -24CR | SAALC ltr., 5 Mar 85 | Parker Hannifin Corp. |
| MS27057-10 thru -24 | 855-10D thru -24D | SAALC ltr., 5 Mar 85 | Parker Hannifin Corp. |
| MS27057-10C thru -24C | 855-10CR thru -24CR | SAALC ltr., 5 Mar 85 | Parker Hannifin Corp. |
| MS27058-8 thru -24 | 860-8D thru -24D | SAALC ltr., 5 Mar 85 | Parker Hannifin Corp. |
| MS27058-8C thru -24C | 860-8CR thru -24CR | SAALC ltr., 5 Mar 85 | Parker Hannifin Corp. |
| MS27381-8 thru -24 | 861-8D thru -24D | SAALC ltr., 5 Mar 85 | Parker Hannifin Corp. |
| MS27381-3/4C thru -24C | 861-3/4CR thru -24CR | SAALC ltr., 5 Mar 85 | Parker Hannifin Corp. |

**Manufacturer and Supplier Location Information**

**Manufacturer: Eaton Aeroquip Corp. (CAGE Code: 00624)**
Location: 300 S. East Avenue, Jackson, MI 49203-1972, US

Plant Location: Same Address as Manufacturer

**Manufacturer: Hydrasearch Company, Inc. (CAGE Code: 32142)**
Location: 100 Log Canoe Circle, Stevensville, MD 21666, US

Plant Location: Same Address as Manufacturer

**Manufacturer: Parker Hannifin Corp. (CAGE Code: 98441)**
Location: Stratoflex Products Division, P.O. Box 10398, 220 Roberts Cut-Off Road, Fort Worth, TX 76114-0398, US

Plant Location: Same Address as Manufacturer