Specification Details: **Date: 10/22/2026**

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:

Office of Primary Involvement: Custom Devices Branch, DLA Land and Maritime - VQC
Primary Qualifying Activity Contact: 614-693-0184, e-mail: vqc.mpg@dla.mil
Secondary Qualifying Activity Contact: 614-693-0176, e-mail: vqc.ksy@dla.mil

Notes:

MIL-DTL-27272 ASSEMBLIES AND SUBASSEMBLIES
Listing on this QPL for any manufacturer of any specific size, of any MS listed in column 1 (ADAPTER ASSEMBLIES) of this table, will also qualify that same manufacturer for the same size of any of the other MS listed on the same line of this table.

ADAPTER ASSEMBLY	SUBASSEMBLY	FLANGE	ELBOW/ NIPPLE	WIRE	UNION NIPPLE	SLEEVE	SOCKET
MS27053	MS27061		MS27075			MS27070	MS27069
MS27054	MS27062	MS27077	MS27076	MS27072	MS27071	MS27070	MS27069
MS27055	MS27063		MS27087	MS27072	NS27071	MS27070	MS27069
MS27056	MS27064	MS27077	MS27084	MS27072	MS27071	MS27070	MS27069
MS27057	MS27065		MS27086	MS27072	MS27071	MS27070	MS27069
MS27058	MS27066	MS27077	MS27082	MS27072	MS27071	MS27070	MS27069
MS27059	MS27067		MS27087	MS27072	MS27071	MS27070	MS27069
MS27060	MS27068		MS27086	MS27072	MS27071	MS27070	MS27069
MS27381	MS27386		MS27391			MS27070	MS27069
MS27382	MS27387		MS27395	MS27072	MS27071	MS27070	MS27069
MS27383	MS27388		MS27394	MS27072	MS27071	MS27070	MS27069
MS27384	MS27389		MS27395	MS27072	MS27071	MS27070	MS27069
MS27385	MS27390		MS27394	MS27072	MS27071	MS27070	MS27069

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:

Example I: Part Num MS27053-16C (Flareless Straight Assembly Adapter with Swivel Nut)

MS Number	Size Code	Material Code
MS27053	-16	C

Example II: Part Num MS27384-8C (Flareless 45Deg Forged Elbow Assembly Adapter with Swivel Nut)

MS Number	Size Code	Material Code
MS27384	-8	C

Example III: Part Num MS27382-10C (Flareless 45Deg Elbow Assembly Adapter with Swivel Nut)

MS Number	Size Code	Material Code
MS27382	-10	C

PART LISTINGS

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
MS27053-3/-4C thru -12C	F66000-3/-4 thru -12	SEG ltr., 14 Sep 66	Eaton Aeroquip Corp.
MS27053-8 thru -12	F66826-8 thru -12	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27053-16C thru -24C	F66057-16 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27053-16 thru -24	F66821-16 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27054-8C thru -12C	F62008-8 thru -12	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27054-8 thru -12	F62010-8 thru -12	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)

PART LISTINGS			
GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
MS27054-16C thru -24C	F62007-16 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27054-16 thru -24	F62009-16 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27055-10C thru -12C	F6634-10 thru -12	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27055-10 thru -12	F66532-10 thru -12	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27055-16C thru -24C	F6679-16 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27055-16 thru -24	F66533-16 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27056-8C thru -12C	F66121-8 thru -12	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27056-8 thru -12	F66722-8 thru -12	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27056-16C thru -24C	F66244-16 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27056-16 thru -24	F66513-16 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27057-10C	F6606-10	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27057-10 thru -12	F6653-10 thru -12	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27057-16C thru -24C	F6677-16 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27057-16 thru -24	F66535-16 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27058-8C thru -12C	F6606-8 thru -12	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27058-8 thru -12	F66723-8 thru -12	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27058-16C thru -24C	F66245-16 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27058-16 thru -24	F66512-16 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27059-3/-4C thru -8C	F6633-3/-4 thru -8	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27059-8	F66555-8	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27060-3/-4C thru -8C	F6605-3/-4 thru -8	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27060-8	F6699-8	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27061-3/-4C thru -24C	F6608-3/-4 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27068-3/-4C	F6605-3/-4	SEG ltr.,14 Sept 66	Eaton Corporation (Jackson)
MS27381-3/-4C thru -12C	F66018-3/-4 thru -12	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27381-8 thru -12	F66840-8 thru -12	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27381-16C thru -24C	F68023-16 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27381-16 thru -24	F66024-16 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27382-10C thru -12C	F66101-10 thru -12	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27382-10 thru -12	F62148-10 thru -12	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27382-16C thru -24C	F66421-16 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27382-16 thru -24	F62151-16 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27383-10C thru -12C	F66103-10 thru -12	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27383-10 thru -12	F66393-10 thru -12	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27383-16C thru -24C	F66422-16 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27383-16 thru -24	F66746-16 thru -24	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27384-3/-4C thru -8C	F66113-3/-4 thru -8	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27384-8	F62124-8	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27385-3/-4C thru -8C	F66104-3/-4 thru -8	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27385-8	F66631-8	SEG ltr., 14 Sep 66	Eaton Corporation (Jackson)
MS27053-3/-4CL thru -20CL	148-05200-3/-4L thru -20L	EN ltr., 17 Jun 71; EN ltr., 20 Apr 77; EN ltr., 8 Aug 83	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., 20 Apr 77; EN ltr., 8 Aug 83	Hydrasearch Company, Inc.
MS27055-10C thru -16C	148-05204-10 thru -16	EN ltr., 17 Jun 71; EN ltr., 20 Apr 77; EN ltr., 8 Aug 83	Hydrasearch Company, Inc.
MS27055-10 thru -16	148-05204-10A thru -16A	EN ltr., 20 Apr 77	Hydrasearch Company, Inc.
MS27056-8C thru -16C	148-05206-8 thru -16	EN ltr., 17 Jun 71; EN ltr., 20 Apr 77; EN ltr., 8 Aug 83	Hydrasearch Company, Inc.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
MS27057-10C thru -16C	148-05208-10 thru -16	EN ltr., 17 Jun 71; EN ltr., 20 Apr 77; EN ltr., 8 Aug 83	Hydrasearch Company, Inc.
MS27057-10 thru -16	148-05208-10A thru -16A	EN ltr., 20 Apr 77	Hydrasearch Company, Inc.
MS27058-8C thru -16C	148-05210-8 thru -16	EN ltr., 17Jun 71; EN ltr., 20 Apr 77; EN ltr., 8 Aug 83	Hydrasearch Company, Inc.
MS27059-3/-4C thru -8C	148-05212-3/-4 thru -8	EN ltr., 17 Jun 71; EN ltr., 20 Apr 77; EN ltr., 8 Aug 83	Hydrasearch Company, Inc.
MS27059-8	148-05212-8A	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., 20 Apr 77; EN ltr., 8 Aug 83	Hydrasearch Company, Inc.
MS27060-8	148-05214-8A	EN ltr., 20 Apr 77	Hydrasearch Company, Inc.
MS27061-3/-4C	148-33291-3/-4	EN ltr., 20 Apr 77	Hydrasearch Company, Inc.
MS27061-4CL	148-54757-4L	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.
MS27061-8CL	148-54760-8L	EN ltr., 20 Apr 77	Hydrasearch Company, Inc.
MS27061-10C	148-54761-10	EN ltr., 20 Apr 77	Hydrasearch Company, Inc.
MS27061-12C	148-54762-12L	EN ltr., 20 Apr 77	Hydrasearch Company, Inc.
MS27061-16CL	148-33300-16L	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.
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.
MS27063-12CL	148-32776-12L	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.
MS27065-12CL	148-32656-12L	EN ltr., 20 Apr 77	Hydrasearch Company, Inc.
MS27065-16CL	148-33348-16L	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.
MS27067-4CL	148-31969-4L	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.
MS27067-8CL	148-31992-8L	EN ltr., 20 Apr 77	Hydrasearch Company, Inc.
MS27068-3/-4C	148-33282-3/-4	EN ltr., 20 Apr 77	Hydrasearch Company, Inc.
MS27068-4CL	148-31981-4L	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.
MS27068-8CL	148-31993-8L	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.

PART LISTINGS			
GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
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.
MS27069-20C	148-07039-20		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.
MS27381-3/-4C thru -16C	148-05216-3/-4 thru -16	EN ltr., 17 Jun 71; 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.
MS27382-10C thru -16C	148-05219-10 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.
MS27383-10C thru -16C	148-05220-10 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.
MS27384-3/-4C thru -8C	148-05217-3/-4 thru -8	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.
MS27385-3/-4C thru -8C	148-05218-3/-4 thru -8	EN ltr., 17 Jun 71; EN ltr., 20 Apr 77	Hydrasearch Company, Inc.
MS27385-8	148-05218-8A	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.

Manufacturer and Supplier Location Information

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

Plants:
1. Plant: Same Address as Manufacturer

Manufacturer: Hydrasearch Company, LLC. (CAGE Code: 32142)
Location: 203A Log Canoe Circle, Stevensville, MD 21666-2128, US

Plants:
1. Plant: Same Address as Manufacturer