

**DLA Weapons Support (Columbus) - VQ**  
**Supplemental Information Sheet for Electronic QPL-5070**

Date: 10/22/2026

**Specification Details:**

Specification: MIL-DTL-5070  
 Title: Adapter, Hose to Tube, Pipe and Flange, Reusable: Hydraulic, Fuel and Oil Lines  
 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:**

Manufacturers listed as qualified under MS24587 in a particular size are also qualified to supply MIL-DTL-5070 adapters of other configurations (elbow and flange fittings) and components, if so procured, in that same size.

**Part Configuration:**

Example I: Part Num MS24587-3CZ (Adapter, Straight, Tube To Hose - Reusable, Hydraulic, Fuel and Oil Lines)

| MS Prefix | Basic Spec Number | Size Dash Number | Material Finish Code |
|-----------|-------------------|------------------|----------------------|
| MS        | 24587             | -3               | CZ                   |

Example II: Part Num MS24589-16AA (NIPPLE, ADAPTER, HOSE TO TUBE, REUSABLE, HYDRAULIC, FUEL AND OIL LINES, 1 THROUGH 2 INCHES TUBING SIZES)

| MS Prefix | Basic Spec Number | Size Dash Number | Material Finish Code |
|-----------|-------------------|------------------|----------------------|
| MS        | 24589             | -16              | AA                   |

Example III: Part Num MS27224-4CZ (SWIVEL NUT ASSEMBLY 90°, ADAPTER, HOSE TO TUBE, REUSABLE, HYDRAULIC, FUEL AND OIL LINES 1/4 INCH THROUGH 2 1/2 INCH TUBE SIZES)

| MS Prefix | Basic Spec Number | Size Dash Number | Material Finish Code |
|-----------|-------------------|------------------|----------------------|
| MS        | 27224             | -4               | CZ                   |

**PART LISTINGS**

| GOVERNMENT DESIGNATION | MANUFACTURER'S DESIGNATION OR TYPE NUMBER | TEST OR QUALIFICATION REFERENCE | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|------------------------|-------------------------------------------|---------------------------------|----------------------------------------|
| <b>MS24587</b>         |                                           |                                 |                                        |
| MS24587-3              | 491-3                                     | MONEM                           | Eaton Corporation (Jackson)            |
| MS24587-3              | 148-32003                                 | Durkee Testing                  | Hydrasearch Company, Inc.              |
| MS24587-3              | 300-3                                     | MONEM                           | Parker Hannifin Corporation            |
| MS24587-4              | 491-4                                     | MONEM                           | Eaton Corporation (Jackson)            |
| MS24587-4              | 148-32004                                 | Durkee Testing                  | Hydrasearch Company, Inc.              |
| MS24587-4              | 300-4                                     | MONEM                           | Parker Hannifin Corporation            |
| MS24587-5              | 491-5                                     | MONEM                           | Eaton Aeroquip LLC                     |
| MS24587-5              | 491-5                                     | MONEM                           | Eaton Corporation (Jackson)            |
| MS24587-5              | 148-32005                                 | Durkee Testing                  | Hydrasearch Company, Inc.              |
| MS24587-5              | 300-5                                     | MONEM                           | Parker Hannifin Corporation            |
| MS24587-6              | 491-6                                     | MONEM                           | Eaton Corporation (Jackson)            |
| MS24587-6              | 148-32006                                 | Durkee Testing                  | Hydrasearch Company, Inc.              |
| MS24587-6              | 300-6                                     | MONEM                           | Parker Hannifin Corporation            |

| PART LISTINGS             |                                                 |                                       |                                           |
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| <b>MS24587</b>            |                                                 |                                       |                                           |
| MS24587-8                 | 491-8                                           | MONEM                                 | Eaton Corporation (Jackson)               |
| MS24587-8                 | 148-32008                                       | Durkee Testing                        | Hydrasearch Company, Inc.                 |
| MS24587-8                 | 300-8                                           | MONEM                                 | Parker Hannifin Corporation               |
| MS24587-10                | 491-10                                          | MONEM                                 | Eaton Corporation (Jackson)               |
| MS24587-10                | 148-32010                                       | Durkee Testing                        | Hydrasearch Company, Inc.                 |
| MS24587-10                | 300-10                                          | MONEM                                 | Parker Hannifin Corporation               |
| MS24587-12                | 491-12                                          | MONEM                                 | Eaton Corporation (Jackson)               |
| MS24587-12                | 148-32012                                       | Durkee Testing                        | Hydrasearch Company, Inc.                 |
| MS24587-12                | 300-12                                          | MONEM                                 | Parker Hannifin Corporation               |
| MS24587-16                | 491-16                                          | MONEM                                 | Eaton Corporation (Jackson)               |
| MS24587-16                | 148-32016                                       | Durkee Testing                        | Hydrasearch Company, Inc.                 |
| MS24587-16                | 300-16                                          | MONEM                                 | Parker Hannifin Corporation               |
| MS24587-20                | 491-20                                          | MONEM                                 | Eaton Corporation (Jackson)               |
| MS24587-20                | 148-32020                                       | Durkee Testing                        | Hydrasearch Company, Inc.                 |
| MS24587-20                | 300-20                                          | MONEM                                 | Parker Hannifin Corporation               |
| MS24587-24                | 491-24                                          | MONEM                                 | Eaton Corporation (Jackson)               |
| MS24587-24                | 148-32024                                       | Durkee Testing                        | Hydrasearch Company, Inc.                 |
| MS24587-24                | 300-24                                          | MONEM                                 | Parker Hannifin Corporation               |
| MS24587-32                | 491-32                                          | MONEM                                 | Eaton Corporation (Jackson)               |
| MS24587-32                | 148-32032                                       | Durkee Testing                        | Hydrasearch Company, Inc.                 |
| MS24587-32                | 300-32                                          | MONEM                                 | Parker Hannifin Corporation               |
| <b>MS24588</b>            |                                                 |                                       |                                           |
| MS24588-3                 | 148-32203                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS24588-4                 | 148-32204                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS24588-5                 | 148-32205                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS24588-6                 | 148-32206                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS24588-8                 | 148-32208                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS24588-10                | 148-32210                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS24588-12                | 148-32212                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| <b>MS24589</b>            |                                                 |                                       |                                           |
| MS24589-16                | 148-32216                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS24589-20                | 148-32220                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS24589-24                | 148-32224                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS24589-32                | 148-32232                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| <b>MS24590</b>            |                                                 |                                       |                                           |

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| <b>MS24590</b>            |                                                 |                                       |                                           |
| MS24590-3                 | 148-32103                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS24590-4                 | 148-32104                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS24590-5                 | 148-32105                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS24590-6                 | 148-32106                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS24590-8                 | 148-32108                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS24590-10                | 148-32110                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS24590-12                | 148-32112                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| <b>MS24591</b>            |                                                 |                                       |                                           |
| MS24591-16                | 148-32116                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS24591-20                | 148-32120                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS24591-24                | 148-32124                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS24591-32                | 148-32132                                       | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| <b>MS27223</b>            |                                                 |                                       |                                           |
| MS27223-8                 | 148-1190-08D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27223-10                | 148-1190-10D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27223-12                | 148-1190-12D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27223-16                | 148-1190-16D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27223-20                | 148-1190-20D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27223-24                | 148-1190-24D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27223-32                | 148-1190-32D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| <b>MS27224</b>            |                                                 |                                       |                                           |
| MS27224-8                 | 148-1090-8D                                     | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27224-10                | 148-1090-10D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27224-12                | 148-1090-12D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27224-16                | 148-1090-16D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27224-16                | 148-1090-16                                     | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27224-20                | 148-1090-20D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27224-24                | 148-1090-24D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27224-32                | 148-1090-32D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| <b>MS27225</b>            |                                                 |                                       |                                           |
| MS27225-8                 | 148-1145-08D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27225-10                | 148-1145-10D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27225-12                | 148-1145-12D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27225-16                | 148-1145-16D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |

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| <b>MS27225</b>            |                                                 |                                       |                                           |
| MS27225-20                | 148-1145-20D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27225-24                | 148-1145-24D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27225-32                | 148-1145-32D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| <b>MS27226</b>            |                                                 |                                       |                                           |
| MS27226-8                 | 148-1045-08D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27226-10                | 148-1045-10D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27226-12                | 148-1045-12D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27226-16                | 148-1045-16D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27226-20                | 148-1045-20D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27226-24                | 148-1045-24D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27226-32                | 148-1045-32D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| <b>MS27227</b>            |                                                 |                                       |                                           |
| MS27227-12                | 148-3190-12D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27227-16                | 148-3190-16D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27227-20                | 148-3190-20D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27227-24                | 148-3190-24D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27227-32                | 148-3190-32D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27227-40                | 300-40                                          | MONEM                                 | Parker Hannifin Corporation               |
| MS27227-48                | 300-48                                          | MONEM                                 | Parker Hannifin Corporation               |
| <b>MS27228</b>            |                                                 |                                       |                                           |
| MS27228-12                | 148-3090-12D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27228-16                | 148-3090-16D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27228-20                | 148-3090-20D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27228-24                | 148-3090-24D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27228-32                | 148-3090-32D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27228-40                | 300-40                                          | MONEM                                 | Parker Hannifin Corporation               |
| MS27228-48                | 300-48                                          | MONEM                                 | Parker Hannifin Corporation               |
| <b>MS27229</b>            |                                                 |                                       |                                           |
| MS27229-12                | 148-3145-12D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27229-16                | 148-3145-16D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27229-20                | 148-3145-20D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27229-24                | 148-3145-24D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27229-32                | 148-3145-32D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |

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| <b>MS27229</b>            |                                                 |                                       |                                           |
| MS27229-40                | 300-40                                          | MONEM                                 | Parker Hannifin Corporation               |
| MS27229-48                | 300-48                                          | MONEM                                 | Parker Hannifin Corporation               |
| <b>MS27230</b>            |                                                 |                                       |                                           |
| MS27230-12                | 148-3045-12D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27230-16                | 148-3045-16D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27230-20                | 148-3045-20D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27230-24                | 148-3045-24D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27230-32                | 148-3045-32D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27230-40                | 300-40                                          | MONEM                                 | Parker Hannifin Corporation               |
| MS27230-48                | 300-48                                          | MONEM                                 | Parker Hannifin Corporation               |
| <b>MS27231</b>            |                                                 |                                       |                                           |
| MS27231-12                | 148-3100-12D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27231-16                | 148-3100-16D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27231-20                | 148-3100-20D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27231-24                | 148-3100-24D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27231-32                | 148-3100-32D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27231-40                | 300-40                                          | MONEM                                 | Parker Hannifin Corporation               |
| MS27231-48                | 300-48                                          | MONEM                                 | Parker Hannifin Corporation               |
| <b>MS27232</b>            |                                                 |                                       |                                           |
| MS27232-12                | 148-3000-12D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27232-16                | 148-3000-16D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27232-20                | 148-3000-20D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27232-24                | 148-3000-24D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27232-32                | 148-3000-32D                                    | Durkee Testing                        | Hydrasearch Company, LLC.                 |
| MS27232-40                | 300-40                                          | MONEM                                 | Parker Hannifin Corporation               |
| MS27232-48                | 300-48                                          | MONEM                                 | Parker Hannifin Corporation               |
| <b>MS27234</b>            |                                                 |                                       |                                           |
| MS27234-40                | 300-40                                          | MONEM                                 | Parker Hannifin Corporation               |
| MS27234-48                | 300-48                                          | MONEM                                 | Parker Hannifin Corporation               |
| <b>MS27235</b>            |                                                 |                                       |                                           |
| MS27235-40                | 300-40                                          | MONEM                                 | Parker Hannifin Corporation               |
| MS27235-48                | 300-48                                          | MONEM                                 | Parker Hannifin Corporation               |
| <b>MS27237</b>            |                                                 |                                       |                                           |
| MS27237-40                | 300-40                                          | MONEM                                 | Parker Hannifin Corporation               |

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| <b>MS27237</b>            |                                                 |                                       |                                           |
| MS27237-48                | 300-48                                          | MONEM                                 | Parker Hannifin Corporation               |
| <b>MS27239</b>            |                                                 |                                       |                                           |
| MS27239-40                | 300-40                                          | MONEM                                 | Parker Hannifin Corporation               |
| MS27239-48                | 300-48                                          | MONEM                                 | Parker Hannifin Corporation               |

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**Manufacturer and Supplier Location Information**

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**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

**Manufacturer: Parker Hannifin Corporation (CAGE Code: 98441)**

Location: Stratoflex Products Division, P.O. Box 10398, 220 Roberts Cut-Off Road, Fort Worth, TX 76114-0398, US

Plants:

1. Plant: Same Address as Manufacturer