

NOTICE OF  
CANCELLATION

INCH-POUND

MS24402D  
NOTICE 2  
1 December 2010  
SUPERSEDING  
NOTICE 1  
22 April 1999

MILITARY STANDARD  
TEE, TUBE, PRECISION TYPE

MS24402D, dated 16 April 1982, is hereby cancelled. Future acquisitions for this item should refer to SAE-AS1035, "Fitting, Tee, Standard and Reducer, Flared".

(Copies of these documents are available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), [www.sae.org](http://www.sae.org).)

Reason for NOTICE 2: SAE inactivated Part or Identifying Number (PIN) with material code letter D for replacement parts and for new design to use code letter W. This is because code letter W is stronger in tensile strength than code letter D. This is based on the previous PA's revision, as a result of lessons learned. Plus to add back material code letter S for replacement parts and for new design to use code letter R. The code letter R is better for applications requiring higher temperature.

Table I provides a detailed cross-reference of cancelled MS24402D PINs and replacement SAE-AS1035 PINs.

CAUTION: The supersession information is valid as of the date of this notice and may be superseded by subsequent revisions of the superseding document.

CONCLUDING MATERIAL

Custodians:  
Army - AV  
Navy - AS  
Air Force - 99  
DLA - CC

Preparing activity:  
DLA - CC

(Project 4730-2010-057)

Review activities:  
Army - AR, CR4  
Navy - MC, SA  
Air Force - 11, 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.daps.dla.mil>.

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TABLE I. MS24402D to SAE-AS1035, cross-reference data.

| Cancelled<br>MS PIN | Tube<br>Size | Replacement<br>AS PIN | New<br>Design     | Cancelled<br>MS PIN | Tube<br>Size | Replacement<br>AS PIN | New<br>Design     |
|---------------------|--------------|-----------------------|-------------------|---------------------|--------------|-----------------------|-------------------|
| MS24402-2           | .125         | AS1035-<br>020202     |                   | MS24402-10          | .625         | AS1035-<br>101010     |                   |
| MS24402D2           | .125         | AS1035<br>D020202     | AS1035<br>W020202 | MS24402D10          | .625         | AS1035<br>D101010     | AS1035<br>W101010 |
| MS24402J2           | .125         | AS1035<br>J020202     |                   | MS24402J10          | .625         | AS1035<br>J101010     |                   |
| MS24402K2           | .125         | AS1035<br>K020202     |                   | MS24402K10          | .625         | AS1035<br>K101010     |                   |
| MS24402S2           | .125         | AS1035<br>S020202     | AS1035<br>R020202 | MS24402S10          | .625         | AS1035<br>S101010     | AS1035<br>R101010 |
| MS24402T2           | .125         | AS1035<br>T020202     |                   | MS24402T10          | .625         | AS1035<br>T101010     |                   |
| MS24402W2           | .125         | AS1035<br>W020202     |                   | MS24402W10          | .625         | AS1035<br>W101010     |                   |
| MS24402-3           | .188         | AS1035-<br>030303     |                   | MS24402-12          | .750         | AS1035-<br>121212     |                   |
| MS24402D3           | .188         | AS1035<br>D030303     | AS1035<br>W030303 | MS24402D12          | .750         | AS1035<br>D121212     | AS1035<br>W121212 |
| MS24402J3           | .188         | AS1035<br>J030303     |                   | MS24402J12          | .750         | AS1035<br>J121212     |                   |
| MS24402K3           | .188         | AS1035<br>K030303     |                   | MS24402K12          | .750         | AS1035<br>K121212     |                   |
| MS24402S3           | .188         | AS1035<br>S030303     | AS1035<br>R030303 | MS24402S12          | .750         | AS1035<br>S121212     | AS1035<br>R121212 |
| MS24402T3           | .188         | AS1035<br>T030303     |                   | MS24402T12          | .750         | AS1035<br>T121212     |                   |
| MS24402W3           | .188         | AS1035<br>W030303     |                   | MS24402W12          | .750         | AS1035<br>W121212     |                   |
| MS24402-4           | .250         | AS1035-<br>040404     |                   | MS24402-16          | 1.000        | AS1035-<br>161616     |                   |
| MS24402D4           | .250         | AS1035<br>D040404     | AS1035<br>W040404 | MS24402D16          | 1.000        | AS1035<br>D161616     | AS1035<br>W161616 |
| MS24402J4           | .250         | AS1035<br>J040404     |                   | MS24402J16          | 1.000        | AS1035<br>J161616     |                   |
| MS24402K4           | .250         | AS1035<br>K040404     |                   | MS24402K16          | 1.000        | AS1035<br>K161616     |                   |
| MS24402S4           | .250         | AS1035<br>S040404     | AS1035<br>R040404 | MS24402S16          | 1.000        | AS1035<br>S161616     | AS1035<br>R161616 |
| MS24402T4           | .250         | AS1035<br>T040404     |                   | MS24402T16          | 1.000        | AS1035<br>T161616     |                   |
| MS24402W4           | .250         | AS1035<br>W040404     |                   | MS24402W16          | 1.000        | AS1035<br>W161616     |                   |

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TABLE I. MS24402D to SAE-AS1035, cross-reference data – Continued.

| Cancelled<br>MS PIN | Tube<br>Size | Replacement<br>AS PIN | New<br>Design     | Cancelled<br>MS PIN | Tube<br>Size | Replacement<br>AS PIN | New<br>Design     |
|---------------------|--------------|-----------------------|-------------------|---------------------|--------------|-----------------------|-------------------|
| MS24402-5           | .312         | AS1035-<br>050505     |                   | MS24402-20          | 1.250        | AS1035-<br>202020     |                   |
| MS24402D5           | .312         | AS1035<br>D050505     | AS1035<br>W050505 | MS24402D20          | 1.250        | AS1035<br>D202020     | AS1035<br>W202020 |
| MS24402J5           | .312         | AS1035<br>J050505     |                   | MS24402J20          | 1.250        | AS1035<br>J202020     |                   |
| MS24402K5           | .312         | AS1035<br>K050505     |                   | MS24402K20          | 1.250        | AS1035<br>K202020     |                   |
| MS24402S5           | .312         | AS1035<br>S050505     | AS1035<br>R050505 | MS24402S20          | 1.250        | AS1035<br>S202020     | AS1035<br>R202020 |
| MS24402T5           | .312         | AS1035<br>T050505     |                   | MS24402T20          | 1.250        | AS1035<br>T202020     |                   |
| MS24402W5           | .312         | AS1035<br>W050505     |                   | MS24402W20          | 1.250        | AS1035<br>W202020     |                   |
| MS24402-6           | .375         | AS1035-<br>060606     |                   | MS24402-24          | 1.500        | AS1035-<br>242424     |                   |
| MS24402D6           | .375         | AS1035<br>D060606     | AS1035<br>W060606 | MS24402D24          | 1.500        | AS1035<br>D242424     | AS1035<br>W242424 |
| MS24402J6           | .375         | AS1035<br>J060606     |                   | MS24402J24          | 1.500        | AS1035<br>J242424     |                   |
| MS24402K6           | .375         | AS1035<br>K060606     |                   | MS24402K24          | 1.500        | AS1035<br>K242424     |                   |
| MS24402S6           | .375         | AS1035<br>S060606     | AS1035<br>R060606 | MS24402S24          | 1.500        | AS1035<br>S242424     | AS1035<br>R242424 |
| MS24402T6           | .375         | AS1035<br>T060606     |                   | MS24402T24          | 1.500        | AS1035<br>T242424     |                   |
| MS24402W6           | .375         | AS1035<br>W060606     |                   | MS24402W24          | 1.500        | AS1035<br>W242424     |                   |
| MS24402-8           | .500         | AS1035-<br>080808     |                   | MS24402-28          | 1.750        | AS1035-<br>282828     |                   |
| MS24402D8           | .500         | AS1035<br>D080808     | AS1035<br>W080808 | MS24402D28          | 1.750        | AS1035<br>D282828     | AS1035<br>W282828 |
| MS24402J8           | .500         | AS1035<br>J080808     |                   | MS24402J28          | 1.750        | AS1035<br>J282828     |                   |
| MS24402K8           | .500         | AS1035<br>K080808     |                   | MS24402K28          | 1.750        | AS1035<br>K282828     |                   |
| MS24402S8           | .500         | AS1035<br>S080808     | AS1035<br>R080808 | MS24402S28          | 1.750        | AS1035<br>S282828     | AS1035<br>R282828 |
| MS24402T8           | .500         | AS1035<br>T080808     |                   | MS24402T28          | 1.750        | AS1035<br>T282828     |                   |
| MS24402W8           | .500         | AS1035<br>W080808     |                   | MS24402W28          | 1.750        | AS1035<br>W282828     |                   |

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TABLE I. MS24402D to SAE-AS1035, cross-reference data – Continued.

| Cancelled<br>MS PIN | Tube<br>Size | Replacement<br>AS PIN | New<br>Design     |
|---------------------|--------------|-----------------------|-------------------|
| MS24402-32          | 2.000        | AS1035-<br>323232     |                   |
| MS24402D32          | 2.000        | AS1035<br>D323232     | AS1035<br>W323232 |
| MS24402J32          | 2.000        | AS1035<br>J323232     |                   |
| MS24402K32          | 2.000        | AS1035<br>K323232     |                   |
| MS24402S32          | 2.000        | AS1035<br>S323232     | AS1035<br>R323232 |
| MS24402T32          | 2.000        | AS1035<br>T323232     |                   |
| MS24402W32          | 2.000        | AS1035<br>W323232     |                   |