

REV.  
B

AS21914

RATIONALE

THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.

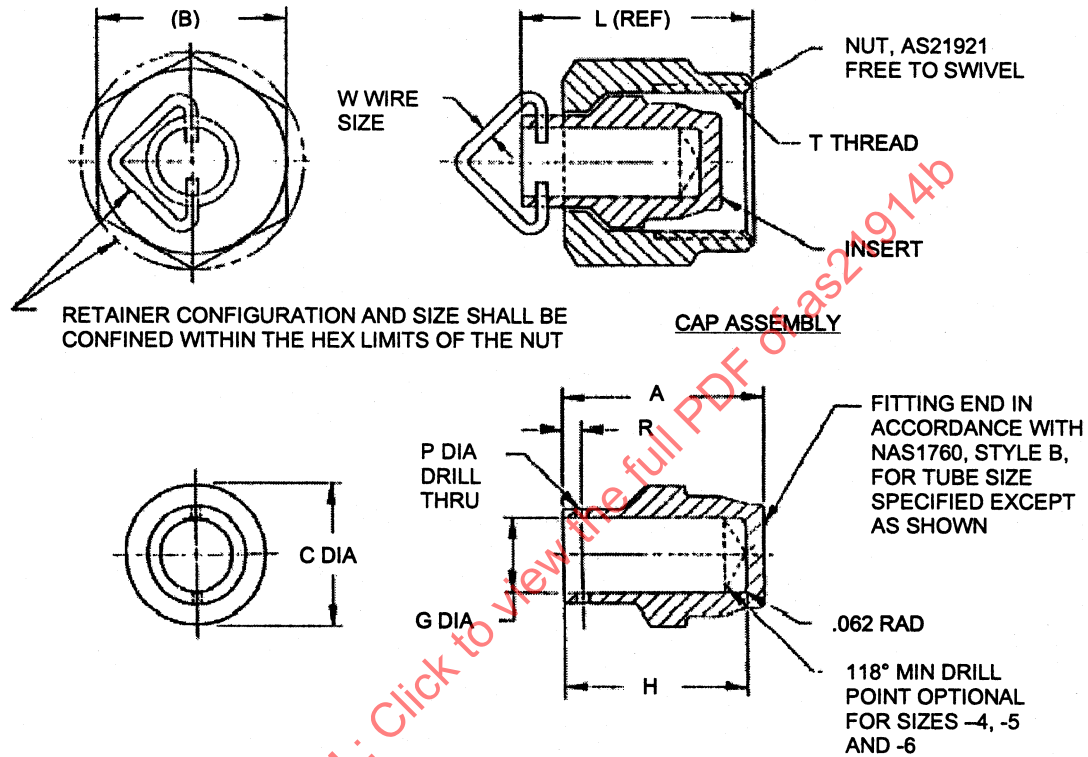


FIGURE 1- CAP, PRESSURE SEAL, FLARELESS TUBE FITTING

CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280

**SAE Aerospace**  
An SAE International Group

**AEROSPACE STANDARD**  
(R) CAP, PRESSURE SEAL, FLARELESS TUBE FITTING

**AS21914**  
SHEET 1 OF 4

**REV.  
B**

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ISSUED 1998-03 REVISED 2003-06 REAFFIRMED 2007-07

REV.  
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TABLE 1A - DIMENSIONS A-C

| DASH NO. | NOMINAL TUBE SIZE | T THREAD AS8879  | A<br>±.010 | B     | C DIA<br>±.005 |
|----------|-------------------|------------------|------------|-------|----------------|
| -2       | .125              | .3125-24 UNJF-3B | .600       | .375  | .256           |
| -3       | .188              | .3750-24 UNJF-3B | .672       | .438  | .318           |
| -4       | .250              | .4375-20 UNJF-3B | .745       | .562  | .371           |
| -5       | .313              | .5000-20 UNJF-3B | .845       | .625  | .434           |
| -6       | .375              | .5625-18 UNJF-3B | .885       | .688  | .490           |
| -8       | .500              | .7500-16 UNJF-3B | .935       | .875  | .670           |
| -10      | .625              | .8750-14 UNJF-3B | 1.062      | 1.000 | .786           |
| -12      | .750              | 1.0625-12 UNJ-3B | 1.082      | 1.250 | .960           |
| -16      | 1.000             | 1.3125-12 UNJ-3B | 1.218      | 1.500 | 1.210          |
| -20      | 1.250             | 1.6250-12 UNJ-3B | 1.193      | 2.000 | 1.470          |
| -24      | 1.500             | 1.8750-12 UNJ-3B | 1.271      | 2.250 | 1.719          |

TABLE 1B - DIMENSIONS G-W

| DASH NO. | G DIA<br>±.010 | H<br>±.010 | L (REF) | P DIA | R    | W DIA<br>MIN |
|----------|----------------|------------|---------|-------|------|--------------|
| -2       | -              | -          | .720    | .047  | .065 | .033         |
| -3       | -              | -          | .767    | .047  | .065 | .033         |
| -4       | .187           | .600       | .893    | .047  | .087 | .033         |
| -5       | .234           | .700       | .977    | .078  | .101 | .055         |
| -6       | .297           | .740       | .965    | .078  | .101 | .055         |
| -8       | .405           | .790       | 1.077   | .078  | .101 | .055         |
| -10      | .500           | .917       | 1.210   | .078  | .101 | .055         |
| -12      | .656           | .937       | 1.208   | .078  | .101 | .055         |
| -16      | .906           | 1.073      | 1.189   | .093  | .101 | .066         |
| -20      | 1.093          | 1.048      | 1.288   | .093  | .101 | .066         |
| -24      | 1.343          | 1.125      | 1.305   | .093  | .101 | .066         |

## NOTES:

- MATERIAL: SEE PROCUREMENT SPECIFICATION.  
NUT AND INSERT: ALLOY STEEL  
ALUMINUM ALLOY  
CORROSION RESISTANT STEEL  
TITANIUM ALLOY  
RETAINER: STEEL WIRE, CLASS 302 ANNEALED PER ASTM A 493 OR CLASS 305 PER AMS 5685
- FINISH: NUT, INSERT AND RETAINER - SEE PROCUREMENT SPECIFICATION.
- BREAK EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.
- SURFACE TEXTURE IN ACCORDANCE WITH ANSI B46.1.
- DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.005, ANGLES ±0°30'.

| REV.<br>B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | AS21914              | 6. PART NUMBERS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |                                                                           |                                 |                 |                        |                                   |                                |         |                     |     |         |                      |         |                     |     |         |                                                                           |         |                      |     |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |     |         |                      |         |                      |      |         |                      |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      | DASH “-” IN PART NUMBER FOR 4130 ALLOY STEEL IS CANCELLED AND REPLACED, SEE 7 /A/<br>ADD “V(SIZE)P” IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (15-5PH), CADMIUM PLATED<br>ADD “V” IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (15-5PH), NOT CADMIUM PLATED<br>ADD “D” IN PLACE OF DASH FOR ALUMINUM ALLOY (2024): CANCELLED AND REPLACED, SEE 7 /C/<br>ADD “W” IN PLACE OF DASH FOR ALUMINUM ALLOY (7075)<br>ADD “J” IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (TYPE 304)<br>ADD “K” IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (TYPE 316)<br>ADD “R” AFTER DASH NUMBER FOR CORROSION RESISTANT STEEL (TYPE 321)<br>ADD “S” AFTER DASH NUMBER FOR CORROSION RESISTANT STEEL (TYPE 347): CANCELLED, SEE 7 /D/<br>ADD “T” AFTER DASH NUMBER FOR TITANIUM ALLOY (6AL-4V)<br><br>EXAMPLES OF PART NUMBERS:<br><br>MS21914-4 CAP, .250 TUBING, 4130 ALLOY STEEL IS CANCELLED AND REPLACED, SEE 7 /A/<br>MS21914V4P CAP, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), CADMIUM PLATED<br>MS21914V4 CAP, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), NOT CADMIUM PLATED<br>MS21914D4 CAP, .250 TUBING, ALUMINUM ALLOY (2024) IS CANCELLED AND REPLACED, SEE 7 /C/<br>MS21914-4W CAP, .250 TUBING, ALUMINUM ALLOY (7075)<br>MS21914-4J CAP, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 304)<br>MS21914-4K CAP, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 316)<br>MS21914-4R CAP, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 321)<br>MS21914-4S CAP, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 347) IS CANCELLED, SEE 7 /D/<br>MS21914-4T CAP, .250 TUBING, TITANIUM ALLOY (6AL-4V)<br><br>7. TITANIUM NOT RECOMMENDED FOR USE IN OXYGEN SYSTEMS.<br><br>8. SEE TABLE 2 FOR CANCELLED AND SUPERSEDED DOCUMENT AND PART NUMBERS. |                                   |                                                                           |                                 |                 |                        |                                   |                                |         |                     |     |         |                      |         |                     |     |         |                                                                           |         |                      |     |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |     |         |                      |         |                      |      |         |                      |
| TABLE 2 - CANCELLED AND SUPERSEDED DOCUMENT AND PART NUMBERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |                                                                           |                                 |                 |                        |                                   |                                |         |                     |     |         |                      |         |                     |     |         |                                                                           |         |                      |     |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |     |         |                      |         |                      |      |         |                      |
| <table><tr><th>CANCELLED<br/>DOCUMENT<br/>NUMBER</th><th>PART<br/>NUMBERS</th><th>SUPERSESSSION<br/>NOTES</th><th>SUPERSEDING<br/>DOCUMENT<br/>NUMBER</th><th>SUPERSEDING<br/>PART<br/>NUMBERS</th></tr><tr><td>MS21914</td><td>MS21914-(2 THRU 24)</td><td>/A/</td><td>AS21914</td><td>MS21914V(2 THRU 24)P</td></tr><tr><td>MS21914</td><td>MS21914C(2 THRU 24)</td><td>/B/</td><td>AS21914</td><td>MS21914-(2 THRU 24)J,<br/>MS21914-(2 THRU 24)K,<br/>OR MS21914-(2 THRU 24)R</td></tr><tr><td>MS21914</td><td>MS21914-(2 THRU 24)D</td><td>/C/</td><td>AS21914</td><td>MS21914-(2 THRU 24)W</td></tr><tr><td>MS21914</td><td>MS21914-(2 THRU 24)W</td><td>NONE</td><td>AS21914</td><td>MS21914-(2 THRU 24)W</td></tr><tr><td>MS21914</td><td>MS21914-(2 THRU 24)J</td><td>NONE</td><td>AS21914</td><td>MS21914-(2 THRU 24)J</td></tr><tr><td>MS21914</td><td>MS21914-(2 THRU 24)K</td><td>NONE</td><td>AS21914</td><td>MS21914-(2 THRU 24)K</td></tr><tr><td>MS21914</td><td>MS21914-(2 THRU 24)R</td><td>NONE</td><td>AS21914</td><td>MS21914-(2 THRU 24)R</td></tr><tr><td>MS21914</td><td>MS21914-(2 THRU 24)S</td><td>/D/</td><td>AS21914</td><td>MS21914-(2 THRU 24)R</td></tr><tr><td>MS21914</td><td>MS21914-(2 THRU 24)T</td><td>NONE</td><td>AS21914</td><td>MS21914-(2 THRU 24)T</td></tr></table> |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |                                                                           | CANCELLED<br>DOCUMENT<br>NUMBER | PART<br>NUMBERS | SUPERSESSSION<br>NOTES | SUPERSEDING<br>DOCUMENT<br>NUMBER | SUPERSEDING<br>PART<br>NUMBERS | MS21914 | MS21914-(2 THRU 24) | /A/ | AS21914 | MS21914V(2 THRU 24)P | MS21914 | MS21914C(2 THRU 24) | /B/ | AS21914 | MS21914-(2 THRU 24)J,<br>MS21914-(2 THRU 24)K,<br>OR MS21914-(2 THRU 24)R | MS21914 | MS21914-(2 THRU 24)D | /C/ | AS21914 | MS21914-(2 THRU 24)W | MS21914 | MS21914-(2 THRU 24)W | NONE | AS21914 | MS21914-(2 THRU 24)W | MS21914 | MS21914-(2 THRU 24)J | NONE | AS21914 | MS21914-(2 THRU 24)J | MS21914 | MS21914-(2 THRU 24)K | NONE | AS21914 | MS21914-(2 THRU 24)K | MS21914 | MS21914-(2 THRU 24)R | NONE | AS21914 | MS21914-(2 THRU 24)R | MS21914 | MS21914-(2 THRU 24)S | /D/ | AS21914 | MS21914-(2 THRU 24)R | MS21914 | MS21914-(2 THRU 24)T | NONE | AS21914 | MS21914-(2 THRU 24)T |
| CANCELLED<br>DOCUMENT<br>NUMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PART<br>NUMBERS      | SUPERSESSSION<br>NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SUPERSEDING<br>DOCUMENT<br>NUMBER | SUPERSEDING<br>PART<br>NUMBERS                                            |                                 |                 |                        |                                   |                                |         |                     |     |         |                      |         |                     |     |         |                                                                           |         |                      |     |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |     |         |                      |         |                      |      |         |                      |
| MS21914                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MS21914-(2 THRU 24)  | /A/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | AS21914                           | MS21914V(2 THRU 24)P                                                      |                                 |                 |                        |                                   |                                |         |                     |     |         |                      |         |                     |     |         |                                                                           |         |                      |     |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |     |         |                      |         |                      |      |         |                      |
| MS21914                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MS21914C(2 THRU 24)  | /B/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | AS21914                           | MS21914-(2 THRU 24)J,<br>MS21914-(2 THRU 24)K,<br>OR MS21914-(2 THRU 24)R |                                 |                 |                        |                                   |                                |         |                     |     |         |                      |         |                     |     |         |                                                                           |         |                      |     |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |     |         |                      |         |                      |      |         |                      |
| MS21914                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MS21914-(2 THRU 24)D | /C/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | AS21914                           | MS21914-(2 THRU 24)W                                                      |                                 |                 |                        |                                   |                                |         |                     |     |         |                      |         |                     |     |         |                                                                           |         |                      |     |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |     |         |                      |         |                      |      |         |                      |
| MS21914                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MS21914-(2 THRU 24)W | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | AS21914                           | MS21914-(2 THRU 24)W                                                      |                                 |                 |                        |                                   |                                |         |                     |     |         |                      |         |                     |     |         |                                                                           |         |                      |     |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |     |         |                      |         |                      |      |         |                      |
| MS21914                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MS21914-(2 THRU 24)J | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | AS21914                           | MS21914-(2 THRU 24)J                                                      |                                 |                 |                        |                                   |                                |         |                     |     |         |                      |         |                     |     |         |                                                                           |         |                      |     |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |     |         |                      |         |                      |      |         |                      |
| MS21914                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MS21914-(2 THRU 24)K | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | AS21914                           | MS21914-(2 THRU 24)K                                                      |                                 |                 |                        |                                   |                                |         |                     |     |         |                      |         |                     |     |         |                                                                           |         |                      |     |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |     |         |                      |         |                      |      |         |                      |
| MS21914                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MS21914-(2 THRU 24)R | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | AS21914                           | MS21914-(2 THRU 24)R                                                      |                                 |                 |                        |                                   |                                |         |                     |     |         |                      |         |                     |     |         |                                                                           |         |                      |     |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |     |         |                      |         |                      |      |         |                      |
| MS21914                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MS21914-(2 THRU 24)S | /D/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | AS21914                           | MS21914-(2 THRU 24)R                                                      |                                 |                 |                        |                                   |                                |         |                     |     |         |                      |         |                     |     |         |                                                                           |         |                      |     |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |     |         |                      |         |                      |      |         |                      |
| MS21914                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MS21914-(2 THRU 24)T | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | AS21914                           | MS21914-(2 THRU 24)T                                                      |                                 |                 |                        |                                   |                                |         |                     |     |         |                      |         |                     |     |         |                                                                           |         |                      |     |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |     |         |                      |         |                      |      |         |                      |
| <p>/A/ PARTS CODED “-” FOR 4130 ALLOY STEEL ARE NOT TO BE MANUFACTURED. PARTS CODED “V(SIZE)P” FOR CORROSION RESISTANT STEEL (15-5PH) WITH CADMIUM PLATE SHALL BE FURNISHED IN LIEU OF “-” CODED (4130) PARTS. PARTS CODED “-” FOR 4130 ALLOY STEEL MAY BE PROCURED UNTIL 12-31-06.</p> <p>/B/ PARTS CODED “C” FOR CORROSION RESISTANT STEEL (TYPE 303) ARE NOT TO BE MANUFACTURED. PARTS CODED “J”, “K” OR “R” FOR CORROSION RESISTANT STEEL (TYPES 304, 316, OR 321, RESPECTIVELY) SHALL BE FURNISHED IN LIEU OF “C” CODED PARTS AT SUPPLIERS OPTION.</p> <p>/C/ PARTS CODED “D” FOR ALUMINUM ALLOY 2024 ARE NOT TO BE MANUFACTURED. PARTS CODED “W” FOR ALUMINUM ALLOY 7075 SHALL BE FURNISHED IN LIEU OF 2024 (D CODE) PARTS. PARTS CODED “D” FOR ALUMINUM ALLOY 2024 MAY BE PROCURED UNTIL 12-31-06.</p> <p>/D/ PARTS CODED “S” FOR CORROSION RESISTANT STEEL (TYPE 347) ARE NOT TO BE MANUFACTURED. PARTS CODED “S” MAY BE USED UNTIL EXISTING STOCK IS DEPLETED. PARTS CODED “R” FOR CORROSION RESISTANT STEEL (TYPE 321) SHALL BE FURNISHED IN LIEU OF “S” CODED PARTS.</p>                                                                                                                                                                                                                               |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |                                                                           |                                 |                 |                        |                                   |                                |         |                     |     |         |                      |         |                     |     |         |                                                                           |         |                      |     |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |     |         |                      |         |                      |      |         |                      |
| <br>An SAE International Group                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      | AEROSPACE STANDARD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   | AS21914<br>SHEET 3 OF 4                                                   |                                 |                 |                        |                                   |                                |         |                     |     |         |                      |         |                     |     |         |                                                                           |         |                      |     |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |     |         |                      |         |                      |      |         |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      | (R) CAP, PRESSURE SEAL, FLARELESS TUBE FITTING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |                                                                           |                                 |                 |                        |                                   |                                |         |                     |     |         |                      |         |                     |     |         |                                                                           |         |                      |     |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |      |         |                      |         |                      |     |         |                      |         |                      |      |         |                      |
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