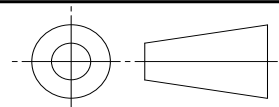


|                                                                                                                              |                                                                                                                                                                                                                                            |                                                                                                                 |                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>REV.</b><br>A                                                                                                             | RATIONALE<br><br>ALL CLASSES ON THIS STANDARD HAVE BEEN CANCELLED FOR USE, THERE ARE NO QPL SOURCES AND THERE HAS BEEN NO PROCUREMENT ACTIVITY FOR THIS PRODUCT, THEREFORE THE AE-8C1 COMMITTEE RECOMMENDATION IS TO CANCEL THIS STANDARD. |                                                                                                                 | FEDERAL SUPPLY CLASS<br>5935                                                                                                                                                                             |
|                                                                                                                              | <b>SAE AS31071</b>                                                                                                                                                                                                                         |                                                                                                                 | CANCELLATION NOTICE<br><br>THIS DOCUMENT HAS BEEN DECLARED "CANCELLED" AS OF SEPTEMBER 2011. BY THIS ACTION, THIS DOCUMENT WILL REMAIN LISTED IN THE NUMERICAL SECTION OF THE AEROSPACE STANDARDS INDEX. |
| <div style="text-align: center;">  </div> |                                                                                                                                                                                                                                            |                                                                                                                 |                                                                                                                                                                                                          |
| CUSTODIAN: AE-8/AE-8C1                                                                                                       |                                                                                                                                                                                                                                            | PROCUREMENT SPECIFICATION: MIL-C-5015                                                                           |                                                                                                                                                                                                          |
|                                           |                                                                                                                                                                                                                                            | <b>AEROSPACE STANDARD</b><br>CONNECTOR PLUG, ELECTRIC,<br>QUICK DISCONNECT                                      | <b>SAE AS31071</b><br>SHEET 1 OF 4                                                                                                                                                                       |
|                                                                                                                              |                                                                                                                                                                                                                                            | THIRD ANGLE PROJECTION<br> | <b>REV.</b><br>A                                                                                                                                                                                         |

NOTICE

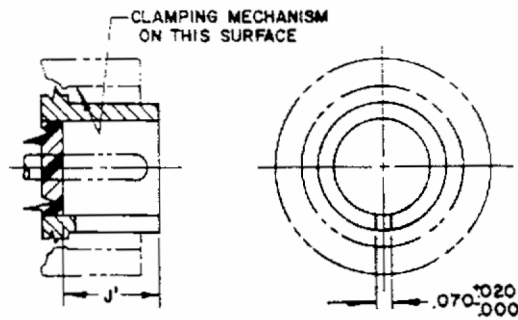
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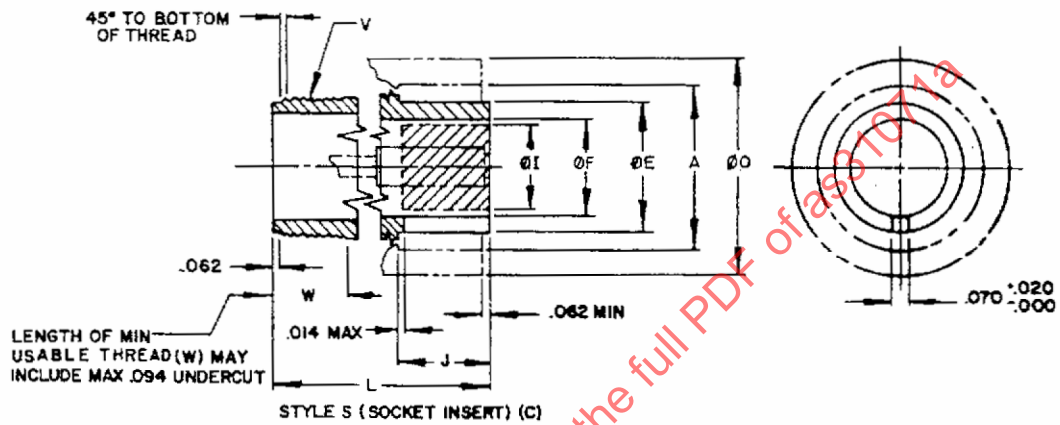
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|                                                                                                                   |                                               |                                    |                         |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------|-------------------------|
| <br>An SAE International Group | <b>AEROSPACE STANDARD</b>                     | <b>SAE AS31071</b><br>SHEET 2 OF 4 | <b>REV.</b><br><b>A</b> |
|                                                                                                                   | CONNECTOR PLUG, ELECTRIC,<br>QUICK DISCONNECT |                                    |                         |



STYLE P (PIN INSERT)



STYLE S (SOCKET INSERT) (C)

SOLID SHELL (A) PLUG

| DASH NO. | A CLAMP SIZE | C .000<br>+.015<br>Ø OUTSIDE | F .015<br>+.030<br>Ø INSIDE | G .015<br>+.030<br>Ø INSIDE | H .015<br>+.030<br>Ø INSIDE | I .015<br>+.030<br>Ø INSIDE | J .015<br>+.030<br>Ø INSIDE | K .015<br>+.030<br>Ø INSIDE | L MIN OVERALL LENGTH | M Ø INSIDE<br>Ø OUTSIDE | N 1/2<br>THREAD | O MIN<br>USABLE<br>THREAD | FOR INSERT<br>ARRANGEMENT<br>SEE DRAWING |
|----------|--------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------|-------------------------|-----------------|---------------------------|------------------------------------------|
| 85       | .500         | .365                         | .250                        | .250                        | .250                        | .250                        | .250                        | .250                        | 1.449                | 1.250                   | 1/2-18          |                           |                                          |
| 105      | .625         | .440                         | .325                        | .325                        | .325                        | .325                        | .325                        | .325                        | 1.531                | 1.375                   |                 |                           |                                          |
| 105A     | .625         | .440                         | .325                        | .325                        | .325                        | .325                        | .325                        | .325                        |                      |                         | 5/8-24          |                           |                                          |
| 125      | .750         | .555                         | .450                        | .450                        | .450                        | .450                        | .450                        | .450                        | 1.608                | 1.500                   |                 |                           |                                          |
| 145      | .875         | .675                         | .525                        | .525                        | .525                        | .525                        | .525                        | .525                        |                      | 1.625                   | 3/4-20          |                           |                                          |
| 165      | 1.000        | .805                         | .651                        | .651                        | .651                        | .651                        | .651                        | .651                        |                      | 1.750                   | 7/8-20          |                           |                                          |
| 12       | .750         | .555                         | .450                        | .450                        | .450                        | .450                        | .450                        | .450                        |                      | 1.500                   | 5/8-24          |                           |                                          |
| 14       | .875         | .675                         | .525                        | .525                        | .525                        | .525                        | .525                        | .525                        | 2.062                | 1.625                   | 3/4-20          |                           |                                          |
| 16       | 1.000        | .805                         | .651                        | .651                        | .651                        | .651                        | .651                        | .651                        |                      | 1.750                   | 7/8-20          |                           |                                          |
| 18       | 1.125        | .930                         | .776                        | .776                        | .776                        | .776                        | .776                        | .776                        |                      | 1.875                   | 1 - 20          |                           |                                          |
| 20       | 1.250        | 1.050                        | .922                        | .922                        | .922                        | .922                        | .922                        | .922                        | 2.188                | 2.000                   | 1-3/16-18       |                           |                                          |
| 22       | 1.375        | 1.175                        | 1.028                       | 1.028                       | 1.028                       | 1.028                       | 1.028                       | 1.028                       |                      | 2.125                   |                 |                           |                                          |
| 24       | 1.500        | 1.300                        | 1.151                       | 1.151                       | 1.151                       | 1.151                       | 1.151                       | 1.151                       | 2.312                | <250                    | 1-7/16-18       |                           |                                          |
| 26       | 1.625        | 1.425                        | 1.276                       | 1.276                       | 1.276                       | 1.276                       | 1.276                       | 1.276                       |                      | 2.500                   |                 |                           |                                          |