

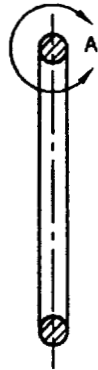
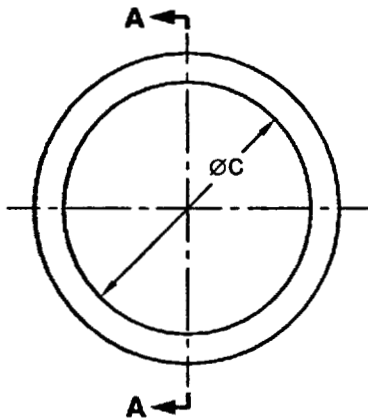


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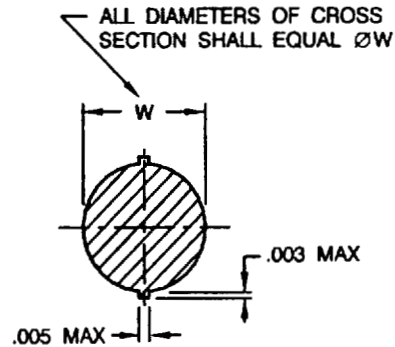
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FED. SUP. CLASS  
**5330**



**SECTION A - A**



**VIEW A**

**MATERIAL:** ETHYLENE PROPYLENE RUBBER.

**DUROMETER HARDNESS:** TYPE A 75-85 POINTS.

**TEMPERATURE RATING:** -70° F TO +250/400° F (SEE NOTE 4).

**PACKAGING:** SEE PROCUREMENT SPECIFICATION.

**MARKING:** SEE PROCUREMENT SPECIFICATION.

**DIMENSIONS IN INCHES.**

**EXAMPLE OF PART NUMBER:** NAS1601-125

DASH NUMBER OF VARIATION  
(-125: ØC, 1.287/1.311 x Ø W .100/.106)

DOCUMENT NUMBER

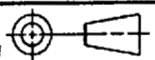
**LIST OF CURRENT SHEETS**

| SHEET NO. | REV NO. |
|-----------|---------|
| 1         | 1       |
| 2         | 1       |
| 3         | 1       |
| 4         | 1       |
| 5         | 1       |
| 6         | 1       |
| 7         | NEW     |

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**CUSTODIAN** NATIONAL AEROSPACE STANDARDS COMMITTEE

**THIRD  
ANGLE  
PROJECTION**



**PROCUREMENT  
SPECIFICATION**

**TITLE  
PACKING, PREFORMED,  
O-RING STANDARD SIZE**

**CLASSIFICATION  
STANDARD PART**

**NAS 1613**

**NAS 1601**

**SHEET 1 OF 7**

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## NATIONAL AEROSPACE STANDARD

### NOTES:

1. O-RING SIZES -013 THRU -109, -117 THRU -209, -223 THRU -324, -350 THRU -395, AND -461 THRU -475 ARE NOT SUITABLE FOR DYNAMIC APPLICATIONS OR FOR STATIC APPLICATIONS WHERE PRESSURES EXCEED 1000 PSI.
2. MATERIAL SHALL BE RESISTANT TO PHOSPHATE ESTER HYDRAULIC FLUID.
3. O-RINGS MAY BE OFF REGISTER DUE TO MOLD MISALIGNMENT WITHIN TOLERANCES OF DIMENSION ØW.
4. TEMPERATURE RATINGS UP TO +250° F ARE FOR CONTINUOUS OPERATING SERVICE, AND RATINGS ABOVE +250° F AND UP TO +400° F ARE FOR SHORT TERM OR INTERMITTENT SERVICE.

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WASHINGTON, D.C. 20005

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SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS  
FROM THE LAST DATE OF APPROVAL SHOWN HEREON.

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**NAS1601**

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# NATIONAL AEROSPACE STANDARD

TABLE I. DASH NUMBER AND DIMENSIONS

| DASH<br>NUMBER | C     |       | W    |      | DASH<br>NUMBER | C                           |       | W    |      |
|----------------|-------|-------|------|------|----------------|-----------------------------|-------|------|------|
|                | MIN   | MAX   | MIN  | MAX  |                | MIN                         | MAX   | MIN  | MAX  |
| -001           | 0.025 | 0.033 | .037 | .043 | -046           | 4.209                       | 4.269 | .067 | .073 |
| -002           | 0.038 | 0.046 | .047 | .053 | -047           | 4.459                       | 4.519 | .067 | .073 |
| -003           | 0.052 | 0.060 | .057 | .063 | -048           | 4.709                       | 4.769 | .067 | .073 |
| -004           | 0.065 | 0.075 | .067 | .073 | -049           | 4.952                       | 5.026 | .067 | .073 |
| -005           | 0.096 | 0.106 | .067 | .073 | -050           | 5.202                       | 5.276 | .067 | .073 |
| -006           | 0.109 | 0.119 | .067 | .073 | *051           | * O-RING SIZES NOT ASSIGNED |       |      |      |
| -007           | 0.140 | 0.150 | .067 | .073 | THRU           |                             |       |      |      |
| -008           | 0.171 | 0.181 | .067 | .073 | *101           |                             |       |      |      |
| -009           | 0.203 | 0.213 | .067 | .073 | -102           | 0.044                       | 0.054 | .100 | .106 |
| -010           | 0.234 | 0.244 | .067 | .073 | -103           | 0.076                       | 0.086 | .100 | .106 |
| -011           | 0.296 | 0.306 | .067 | .073 | -104           | 0.107                       | 0.117 | .100 | .106 |
| -012           | 0.359 | 0.369 | .067 | .073 | -105           | 0.138                       | 0.148 | .100 | .106 |
| -013           | 0.421 | 0.431 | .067 | .073 | -106           | 0.169                       | 0.179 | .100 | .106 |
| -014           | 0.484 | 0.494 | .067 | .073 | -107           | 0.201                       | 0.211 | .100 | .106 |
| -015           | 0.544 | 0.558 | .067 | .073 | -108           | 0.232                       | 0.242 | .100 | .106 |
| -016           | 0.605 | 0.623 | .067 | .073 | -109           | 0.294                       | 0.304 | .100 | .106 |
| -017           | 0.667 | 0.685 | .067 | .073 | -110           | 0.357                       | 0.367 | .100 | .106 |
| -018           | 0.730 | 0.748 | .067 | .073 | -111           | 0.419                       | 0.429 | .100 | .106 |
| -019           | 0.792 | 0.810 | .067 | .073 | -112           | 0.482                       | 0.492 | .100 | .106 |
| -020           | 0.855 | 0.873 | .067 | .073 | -113           | 0.542                       | 0.556 | .100 | .106 |
| -021           | 0.917 | 0.935 | .067 | .073 | -114           | 0.603                       | 0.621 | .100 | .106 |
| -022           | 0.979 | 0.999 | .067 | .073 | -115           | 0.665                       | 0.683 | .100 | .106 |
| -023           | 1.041 | 1.061 | .067 | .073 | -116           | 0.728                       | 0.746 | .100 | .106 |
| -024           | 1.104 | 1.124 | .067 | .073 | -117           | 0.789                       | 0.809 | .100 | .106 |
| -025           | 1.165 | 1.187 | .067 | .073 | -118           | 0.852                       | 0.872 | .100 | .106 |
| -026           | 1.228 | 1.250 | .067 | .073 | -119           | 0.914                       | 0.934 | .100 | .106 |
| -027           | 1.290 | 1.312 | .067 | .073 | -120           | 0.977                       | 0.997 | .100 | .106 |
| -028           | 1.351 | 1.377 | .067 | .073 | -121           | 1.039                       | 1.059 | .100 | .106 |
| -029           | 1.476 | 1.502 | .067 | .073 | -122           | 1.102                       | 1.122 | .100 | .106 |
| -030           | 1.601 | 1.627 | .067 | .073 | -123           | 1.162                       | 1.186 | .100 | .106 |
| -031           | 1.724 | 1.754 | .067 | .073 | -124           | 1.225                       | 1.249 | .100 | .106 |
| -032           | 1.849 | 1.879 | .067 | .073 | -125           | 1.287                       | 1.311 | .100 | .106 |
| -033           | 1.971 | 2.007 | .067 | .073 | -126           | 1.350                       | 1.374 | .100 | .106 |
| -034           | 2.096 | 2.132 | .067 | .073 | -127           | 1.412                       | 1.436 | .100 | .106 |
| -035           | 2.221 | 2.257 | .067 | .073 | -128           | 1.475                       | 1.499 | .100 | .106 |
| -036           | 2.346 | 2.382 | .067 | .073 | -129           | 1.534                       | 1.564 | .100 | .106 |
| -037           | 2.471 | 2.507 | .067 | .073 | -130           | 1.597                       | 1.627 | .100 | .106 |
| -038           | 2.594 | 2.634 | .067 | .073 | -131           | 1.659                       | 1.689 | .100 | .106 |
| -039           | 2.719 | 2.759 | .067 | .073 | -132           | 1.722                       | 1.752 | .100 | .106 |
| -040           | 2.844 | 2.884 | .067 | .073 | -133           | 1.784                       | 1.814 | .100 | .106 |
| -041           | 2.965 | 3.013 | .067 | .073 | -134           | 1.847                       | 1.877 | .100 | .106 |
| -042           | 3.215 | 3.263 | .067 | .073 | -135           | 1.908                       | 1.942 | .100 | .106 |
| -043           | 3.465 | 3.513 | .067 | .073 | -136           | 1.970                       | 2.004 | .100 | .106 |
| -044           | 3.712 | 3.766 | .067 | .073 | -137           | 2.033                       | 2.067 | .100 | .106 |
| -045           | 3.962 | 4.016 | .067 | .073 | -138           | 2.095                       | 2.129 | .100 | .106 |
|                |       |       |      |      | -139           | 2.158                       | 2.192 | .100 | .106 |
|                |       |       |      |      | -140           | 2.220                       | 2.254 | .100 | .106 |

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**NAS1601**

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① 30 NOVEMBER 1994

REVISION

May 1961

APPROVAL DATE