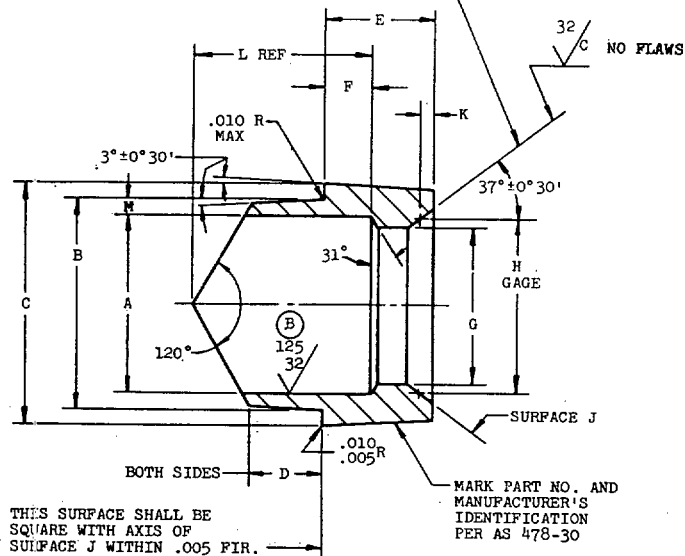
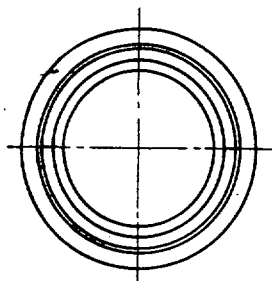


**MS9225**FED. SUP CLASS.  
4730DIA B AND DIA C  
SHALL BE CONCENTRIC WITH  
THIS SURFACE WITHIN .005 FIR.THIS SURFACE SHALL BE  
SQUARE WITH AXIS OF  
SURFACE J WITHIN .005 FIR.

B INACTIVE FOR DESIGN AFTER 15 MAY 1968.

SEE MS9483

| PART NO.  | NOM<br>TUBE<br>OD | A DIA<br>+.002<br>-.000 | B DIA<br>+.000<br>-.003 | C DIA<br>+.000<br>-.003 | D    | E    | F    | G DIA | H DIA<br>GAGE | K    | L     | M<br>MIN | APPROX<br>WEIGHT<br>LB/100 |
|-----------|-------------------|-------------------------|-------------------------|-------------------------|------|------|------|-------|---------------|------|-------|----------|----------------------------|
| MS9225-02 | .125              | .115                    | .172                    | .207                    | .170 | .235 | .100 | .090  | .124          | .041 | .313  | .023     | .352                       |
| MS9225-03 | .188              | .178                    | .234                    | .319                    | .170 | .235 | .100 | .150  | .185          | .040 | .331  | .023     | .496                       |
| MS9225-04 | .250              | .240                    | .297                    | .383                    | .170 | .235 | .100 | .200  | .242          | .036 | .349  | .023     | .603                       |
| MS9225-05 | .312              | .302                    | .366                    | .445                    | .170 | .235 | .100 | .260  | .302          | .035 | .368  | .027     | .753                       |
| MS9225-06 | .375              | .365                    | .432                    | .502                    | .155 | .228 | .100 | .320  | .358          | .031 | .375  | .028     | .866                       |
| MS9225-07 | .438              | .428                    | .494                    | .564                    | .145 | .255 | .120 | .385  | .430          | .036 | .403  | .028     | 1.033                      |
| MS9225-08 | .500              | .489                    | .562                    | .682                    | .155 | .285 | .120 | .438  | .504          | .044 | .432  | .031     | 1.779                      |
| MS9225-09 | .562              | .551                    | .626                    | .743                    | .124 | .295 | .150 | .500  | .555          | .036 | .451  | .032     | 2.018                      |
| MS9225-10 | .625              | .614                    | .690                    | .797                    | .134 | .302 | .150 | .562  | .621          | .039 | .479  | .033     | 2.232                      |
| MS9225-11 | .688              | .677                    | .762                    | .908                    | .196 | .305 | .120 | .625  | .698          | .048 | .530  | .037     | 3.188                      |
| MS9225-12 | .750              | .739                    | .826                    | .972                    | .196 | .306 | .120 | .688  | .769          | .054 | .548  | .038     | 3.470                      |
| MS9225-14 | .875              | .864                    | .953                    | 1.097                   | .185 | .325 | .130 | .812  | .894          | .054 | .585  | .039     | 4.237                      |
| MS9225-16 | 1.000             | .989                    | 1.081                   | 1.222                   | .186 | .342 | .140 | .938  | 1.021         | .055 | .632  | .041     | 5.070                      |
| MS9225-18 | 1.125             | 1.114                   | 1.209                   | 1.409                   | .200 | .370 | .140 | 1.062 | 1.174         | .074 | .684  | .042     | 7.246                      |
| MS9225-20 | 1.250             | 1.239                   | 1.339                   | 1.534                   | .194 | .397 | .160 | 1.188 | 1.299         | .074 | .732  | .045     | 8.580                      |
| MS9225-24 | 1.500             | 1.484                   | 1.609                   | 1.764                   | .251 | .405 | .180 | 1.438 | 1.532         | .062 | .889  | .057     | 12.000                     |
| MS9225-28 | 1.750             | 1.734                   | 1.882                   | 2.159                   | .334 | .405 | .100 | 1.688 | 1.839         | .100 | .968  | .069     | 19.314                     |
| MS9225-32 | 2.000             | 1.984                   | 2.159                   | 2.469                   | .334 | .405 | .100 | 1.938 | 2.099         | .107 | 1.048 | .082     | 23.779                     |
| MS9225-40 | 2.500             | 2.484                   | 2.659                   | 2.911                   | .335 | .405 | .100 | 2.438 | 2.594         | .117 | 1.193 | .082     | 31.062                     |
| MS9225-48 | 3.000             | 2.984                   | 3.172                   | 3.411                   | .335 | .405 | .100 | 2.938 | 3.099         | .107 | 1.341 | .089     | 39.959                     |

1. MATERIAL: CORROSION AND HEAT RESISTANT STEEL AMS 5646
2. SURFACE ROUGHNESS: AS 291, UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES.
3. BREAK SHARP EDGES .003-.015, UNLESS OTHERWISE SPECIFIED.
4. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS  $\pm .010$ , ANGULAR DIMENSIONS  $\pm 5^\circ$ .
5. DO NOT USE UNASSIGNED PART NUMBERS.

REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

AS &amp; AMS ARE SOCIETY OF AUTOMOTIVE ENGINEERS, INC. PUBLICATIONS.

THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE ENGINE AND PROPELLER UTILITY PARTS COMMITTEE OF THE SAE.

P.A.  
USAF - 11  
Other Cust  
Navy - AS**MILITARY STANDARD**

FERRULE, BRAZING, TUBE FITTING - CRES, AMS 5646

**MS9225(ASG)**PROCUREMENT SPECIFICATION  
2025

SUPERSEDES: SEE MS9483

SHEET 1 OF 1

FORM 478-1 (Limited coordination)  
1 OCT 52

This standard has been approved by the Department of the Air Force (11) and the Department of the Navy and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

Reviewer activities:

USAF - E2, E5

APPROVED 18 Dec 1961 REVISED (A) 28 Sep 64 (B) 15 May 68