

Submitted for recognition as an American National Standard

FEDERAL SUPPLY CLASS

REV. C

AS136

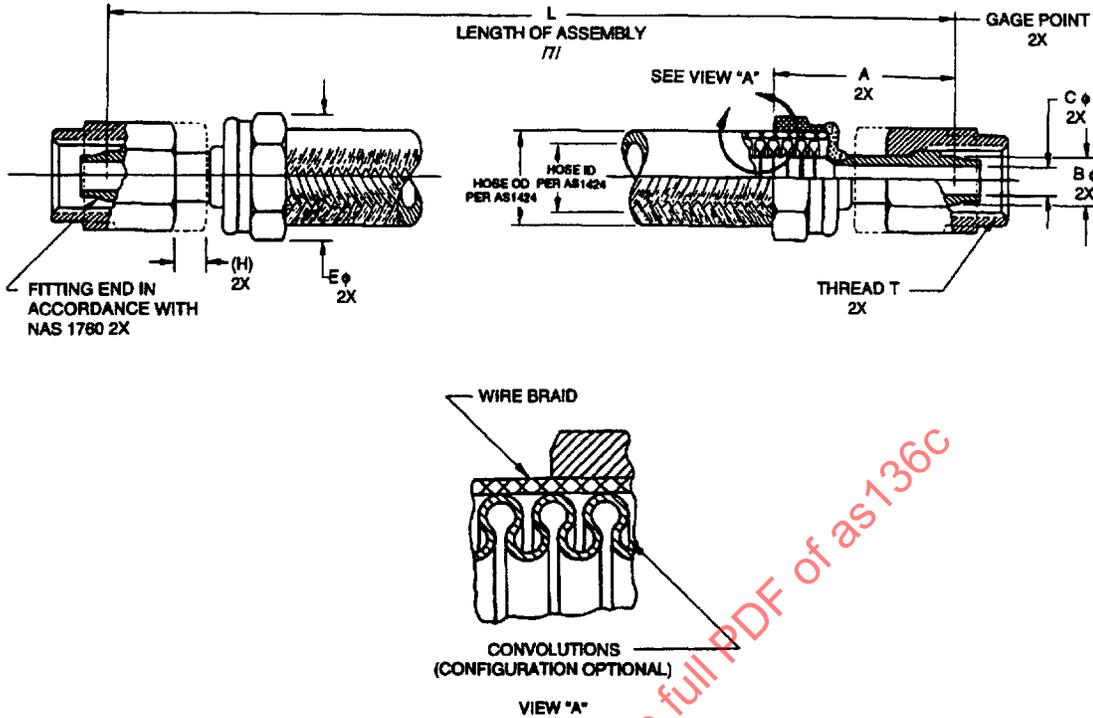


FIGURE 1 - HOSE ASSEMBLY

TABLE 1 - ASSEMBLY DIMENSIONS

| HOSE ASSEMBLY SIZE CODE | HOSE SIZE (REF) | A MAX | B GAGE BASIC | C MIN THRU /B/ | E MAX | (H) NOM | THREAD T PER AS8879 (ISO 3161) (REF) |
|-------------------------|-----------------|-------|--------------|----------------|-------|---------|--------------------------------------|
| 04                      | .250            | 1.25  | .2930        | .141           | .900  | .40     | .4375-20UNJF-3B                      |
| 05                      | .312            | 1.38  | .3500        | .197           | 1.100 | .40     | .5000-20UNJF-3B                      |
| 06                      | .375            | 1.38  | .4120        | .250           | 1.200 | .40     | .5625-18UNJF-3B                      |
| 08                      | .500            | 1.56  | .5600        | .360           | 1.300 | .47     | .7500-16UNJF-3B                      |
| 10                      | .625            | 1.75  | .6730        | .455           | 1.500 | .53     | .8750-14UNJF-3B                      |
| 12                      | .750            | 1.94  | .8100        | .568           | 1.740 | .53     | 1.0625-12UNJ-3B                      |
| 16                      | 1.000           | 2.12  | 1.0620       | .760           | 2.300 | .53     | 1.3125-12UNJ-3B                      |
| 20                      | 1.250           | 2.38  | 1.3160       | .920           | 2.850 | .54     | 1.6250-12UNJ-3B                      |

TABLE 2 - ASSEMBLY LENGTH TOLERANCE

| HOSE ASSEMBLY LENGTH   | LENGTH TOLERANCE |
|------------------------|------------------|
| UNDER 10 in            | ±.062 in         |
| 10 TO 36 in, EXCLUSIVE | ±.125 in         |
| 36 TO 50 in, EXCLUSIVE | ±.250 in         |
| 50 in AND OVER         | ±1%              |

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CUSTODIAN: SAE G-3/G-3D

PROCUREMENT SPECIFICATION: /2/ AS1424



AEROSPACE STANDARD

HOSE ASSEMBLY, METAL - MEDIUM PRESSURE, FLARELESS, WELDED, STRAIGHT TO STRAIGHT

AS136 SHEET 1 OF 3

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ISSUED 1977-02 REVISED 1998-06

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TABLE 3 - HOSE ASSEMBLY PHYSICAL CHARACTERISTIC

| HOSE SIZE CODE | 70 °F /5/                  | 70 °F /5/              | 70 °F /5/              |
|----------------|----------------------------|------------------------|------------------------|
|                | OPERATING PRESSURE PSI MAX | PROOF PRESSURE PSI MIN | BURST PRESSURE PSI MIN |
| 04             | 2000                       | 3000                   | 8000                   |
| 05             | 1800                       | 2700                   | 7200                   |
| 06             | 1600                       | 2400                   | 6400                   |
| 08             | 1400                       | 2100                   | 5600                   |
| 10             | 1200                       | 1800                   | 4800                   |
| 12             | 1050                       | 1575                   | 4200                   |
| 16             | 800                        | 1200                   | 3200                   |
| 20             | 550                        | 825                    | 2200                   |

TABLE 4 - SPHERICAL BALL SIZE FOR DETERMINING MINIMUM HOSE ASSEMBLY ID /8/

| HOSE SIZE | STRAIGHT FITTING |
|-----------|------------------|
| 04        | .127             |
| 05        | .177             |
| 06        | .225             |
| 08        | .324             |
| 10        | .410             |
| 12        | .511             |
| 16        | .684             |
| 20        | .828             |

TABLE 5 - WEIGHTS (NOM)

| HOSE SIZE | HOSE LB/N | STANDARD FITTING (LB) |
|-----------|-----------|-----------------------|
|           |           | STRAIGHT              |
| -04       | .016      | .05                   |
| -05       | .018      | .07                   |
| -06       | .020      | .08                   |
| -08       | .028      | .13                   |
| -10       | .038      | .20                   |
| -12       | .042      | .39                   |
| -16       | .058      | .52                   |
| -20       | .072      | .79                   |

NOTES:

/1/ MATERIALS:

- a. CLASS "N": INNERTUBE - NICKEL ALLOY TYPE 625  
ALL OTHER COMPONENTS - 321 CORROSION RESISTANT STEEL
- b. CLASS "S": ALL COMPONENTS - 321 CORROSION RESISTANT STEEL

/2/ THIS HOSE ASSEMBLY STANDARD SHALL BE QUALIFIED IN ACCORDANCE WITH PROCUREMENT SPECIFICATION AS1424; EXCEPT FLEXURE PRESSURE CYCLING ENDURANCE REQUIREMENT IS NOT APPLICABLE FOR SIZE -04 CLASS "S". SEE NOTE /13/. USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVAL(S) BY STANDARD PAGE SUPPLEMENT SHEET OR SIMILAR MEANS.



**AEROSPACE STANDARD**

HOSE ASSEMBLY, METAL - MEDIUM PRESSURE, FLARELESS, WELDED, STRAIGHT TO STRAIGHT

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