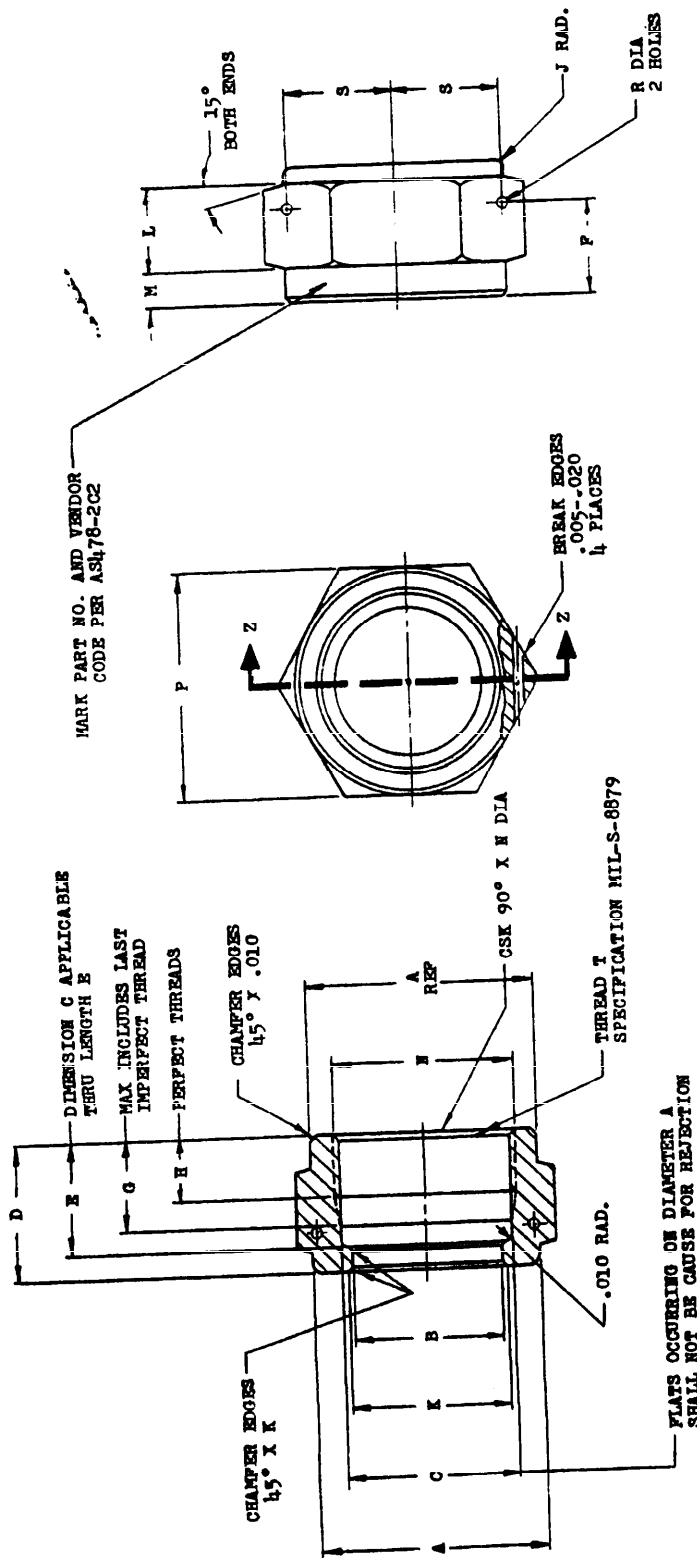


FED. SUP CLASS
4730MARK PART NO. AND VENDOR
CODE PER ASH78-2C2DIMENSION C APPLICABLE
TO LENGTH EMAX INCLUDES LAST
IMPERFECT THREAD

PERFECT THREADS

CHAMFER EDGES
45° X .010CHAMFER EDGES
45° X .010CHAMFER EDGES
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45° X .010CHAMFER EDGES
45° X .010CHAMFER EDGES
45° X .010

SECTION Z-Z

FLATS OCCURRING ON DIAMETER A
SHALL NOT BE CAUSE FOR REJECTION

NOTES:

1. ALL DIAMETERS MUST BE CONCENTRIC WITH EACH OTHER WITHIN .005 TIR.

2. BREAK SHARP EDGES .005-.015 AND REMOVE ALL BURRS.

3. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS $\pm .010$, ANGLES $\pm 5^\circ$.

4. SURFACE ROUGHNESS: PER MIL-STD-10 NOT TO EXCEED 63/ UNLESS OTHERWISE SPECIFIED.

5. MATERIAL: CORROSION RESISTANT STEEL AMS 5639.

6. PASSIVATION: A.) DECREASE.

B.) IMMERSE FOR NOT LESS THAN 20 MINUTES IN A SOLUTION OF 1 VOLUME OF NITRIC ACID (SP OR 1.42)

AND 9 VOLUMES OF WATER AT ROOM TEMPERATURE.

This standard has been approved by the BUREAU OF NAVAL WEAPONS
Department of the NAVY and is mandatory for use by
that activity. All other military activities are required
to employ this standard where suitable.

P.A.

Other Cust

TITLE

NUT, WIRE RETAINED, SWIVEL
SAFETY WIRE HOLES, HOSE FITTING
AMS 5639 CRES STEEL

PROCUREMENT SPECIFICATION

SUPERSEDES:

MILITARY STANDARD

MS18079 (WP)

SHEET 1 OF 2

APPROVED 26 April 1965 REVISED

FED. SUP CLASS
4730

| PART NO. | A | B | C | D | E | F | G | H | J | K | L |
|------------|----------------|----------------|------------------|-------|-------|------|------|------|------|------|------|
| MS18079-03 | .437 .427 | .245 .242 | .3413 .3340 | .594 | .506 | .437 | .407 | .282 | .031 | .005 | .375 |
| MS18079-04 | .562 .552 | .308 .305 | .3972 .3890 | .609 | .532 | .454 | .450 | .500 | .031 | .005 | .406 |
| MS18079-05 | .625 .615 | .377 .374 | .4589 .4510 | .672 | .579 | .493 | .481 | .331 | .031 | .005 | .484 |
| MS18079-06 | .687 .677 | .443 .440 | .5162 .5080 | .719 | .603 | .500 | .500 | .333 | .047 | .010 | .500 |
| MS18079-08 | .875 .865 | .573 .570 | .6974 .6890 | .844 | .723 | .594 | .563 | .375 | .047 | .010 | .578 |
| MS18079-10 | 1.000 .990 | .701 .698 | .8111 .8050 | .969 | .817 | .693 | .675 | .461 | .047 | .010 | .688 |
| MS18079-12 | 1.250 1.240 | .837 .834 | .9885 .9810 | 1.016 | .868 | .750 | .719 | .469 | .062 | .010 | .750 |
| MS18079-16 | 1.500 1.490 | 1.092 1.089 | 1.2385 1.2310 | 1.125 | .962 | .825 | .813 | .563 | .078 | .010 | .766 |
| MS18079-20 | 2.000 1.990 | 1.350 1.347 | 1.5515 1.5440 | 1.219 | 1.017 | .853 | .813 | .563 | .094 | .010 | .766 |
| MS18079-24 | 2.250 2.240 | 1.620 1.617 | 1.8015 1.7940 | 1.406 | 1.170 | .978 | .911 | .661 | .094 | .010 | .875 |

| PART NO. | M | N | P | R | S | THREAD T MIL-S-8879 | WEIGHT MAX LBS |
|------------|------|-------|-------|------|-------|------------------------|----------------------|
| MS18079-03 | .141 | .375 | .500 | .045 | .227 | .3750-24 UNP-3B MOD | .013 |
| MS18079-04 | .125 | .438 | .563 | .060 | .260 | .4375-20 UNP-3B MOD | .025 |
| MS18079-05 | .125 | .500 | .625 | .070 | .281 | .5000-20 UNP-3B MOD | .032 |
| MS18079-06 | .156 | .562 | .688 | .070 | .313 | .5625-18 UNP-3B MOD | .040 |
| MS18079-08 | .156 | .750 | .875 | .070 | .406 | .7500-16 UNP-3B MOD | .063 |
| MS18079-10 | .172 | .875 | 1.000 | .070 | .473 | .8750-14 UNP-3B MOD | .091 |
| MS18079-12 | .125 | 1.062 | 1.250 | .070 | .594 | 1.0625-12 UNP-3B MOD | .158 |
| MS18079-16 | .219 | 1.312 | 1.500 | .070 | .741 | 1.3125-12 UNP-3B MOD | .220 |
| MS18079-20 | .312 | 1.625 | 2.000 | .070 | .963 | 1.6250-12 UNP-3B MOD | .505 |
| MS18079-24 | .359 | 1.875 | 2.250 | .070 | 1.098 | 1.8750-12 UNP-3B MOD | .670 |

This standard has been approved by the BUREAU OF NAVAL WEAPONS
Department of the NAVY and is mandatory for use by
all military activities are required
to employ this standard where suitable.

| | | |
|---------------------------|--|-----------------------------------|
| P.A. Other Cust | TITLE NUT, WIRE RETAINED, SWIVEL SAFETY WIRE HOLES, HOSE FITTING AMS 5639 ORS STEEL | MILITARY STANDARD MS18079 (WP) |
| PROCUREMENT SPECIFICATION | SUPERSEDES: | SHEET 2 OF 2 |

APPROVED 26 April 1965 REVISED