

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: MIL-N-25027

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

Form Approved  
OMB No. 0704-0188

1. APPLICATION AND DESIGN SELECTION: THESE A.R.E. (ATTACHED RETENTION ELEMENT) NUT ELEMENTS SHALL BE SELECTED AND USED IN ACCORDANCE WITH MS33588.
2. MILITARY INSTALLATION AND TOOLS: NONE
3. GENERAL REQUIREMENTS:
  - 3.1 ASSEMBLED NUT ELEMENTS SHALL MEET THE TEST REQUIREMENTS OF MIL-N-25027.
  - 3.2 MATERIAL:
    - (A) 3.2.1 NUT ELEMENT: STEEL AISI 1050 (UNS G10500) PER AMS 5085 OR AISI 4130 (UNS G41300) PER AMS 6351.
  - 3.3 HEAT TREAT:
    - (A) 3.3.1 NUT ELEMENT: HRC 49 MAX.
  - 3.4 COATING:
    - 3.4.1 NUT ELEMENT SHALL BE CADMIUM PLATED PER QQ-P-416, TYPE AND CLASS OPTIONAL PROVIDED THE ELEMENT MEETS THE SALT SPRAY REQUIREMENTS OF MIL-N-25027.
  - 3.5 LUBRICANT:
    - (A) 3.5.1 NUT ELEMENT SHALL BE DRY FILM LUBRICATED PER MIL-L-46010, TYPE I.
  - 3.6 SURFACE TEXTURE:
    - (A) 3.6.1 SURFACE TEXTURE IN ACCORDANCE WITH ANSI/ASME B46.1. UNLESS OTHERWISE SPECIFIED, THE SURFACE ROUGHNESS SHALL NOT EXCEED 125 MICRO INCHES.
  - 3.7 NUT REPLACEABILITY:
    - 3.7.1 THE NUT ELEMENT SHALL BE CAPABLE OF BEING SNAPPED INTO AND REMOVED FROM A.R.E. MS14200 AND MS14201 NUT ASSEMBLIES USING THE PROPER PROCEDURES AND TOOLING.
  - 3.8 WORKMANSHIP:
    - 3.8.1 BREAK ALL SHARP EDGES AND REMOVE ALL BURRS AND SLIVERS.
    - 3.8.2 DIMENSIONS ARE IN INCHES.
    - 3.8.3 TOLERANCES: DECIMALS  $\pm .010$ , ANGLES  $\pm .5^\circ$  UNLESS OTHERWISE SPECIFIED.

(A) DENOTES CHANGE(S)

INCH-POUND

PREPARING ACTIVITY: DLA-IS CUSTODIANS: ARMY- AR NAVY- AS AIR FORCE- 11 DLA- REVIEW: MI, AV, SH, 82, 99 USER: PROJECT NUMBER: 5310-2009	MILITARY SPECIFICATION SHEET TITLE NUT ELEMENT, ATTACHED RETENTION ELEMENT (A.R.E.), 450°F, STEEL (AISI 1050 OR 4130), 125 KSI Flu	SPECIFICATION SHEET NUMBER <b>MS14214</b> 30 SEPT 94 REV A SUPERSEDING MS14214 21 DEC 83 AMSC- N/A FSC 5310
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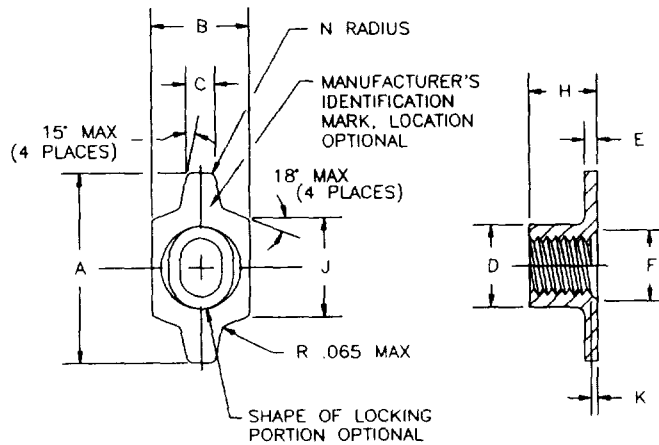
DD Form 672, MAY 88

PREVIOUS EDITIONS ARE OBSOLETE

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5. TABLE 1

SIZE DASH NO. (a)	SIZE MIL-S-8879	A $\pm .010$	B MAX	C $\pm .010$	D MAX	E $+ .010$ $- .000$	F MIN.	H MAX.	J $\pm .010$	K REF.	N MAX.	AXIAL STRENGTH LBS. MIN.
04	.1120-40 UNJC-3B	.420	.245	.070	.165	.025	.116	.151	.224	.015	.018	750
06	.1380-32 UNJC-3B	.420	.245	.070	.195	.025	.142	.151	.224	.015	.018	1130
08	.1640-32 UNJC-3B	.525	.350	.110	.225	.032	.168	.182	.295	.018	.040	1720
3	.1900-32 UNJF-3B	.525	.350	.110	.250	.032	.194	.182	.295	.018	.040	2460
4	.2500-28 UNJF-3B	.620	.435	.125	.325	.040	.254	.240	.367	.020	.040	4580

(a) NUT ELEMENT DASH NO. IS THE SAME AS ASSEMBLY DASH NO.

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# 6. PART NUMBER EXAMPLE:

MS14214 - 08

SIZE DASH NUMBER  
(.1640-32 UNJC-38)

MILITARY SPECIFICATION SHEET NUMBER

# 7. ADMINISTRATIVE AND CONTRACTUAL PROVISIONS:

- (A) 7.1 IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS DOCUMENT AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS DOCUMENT SHALL TAKE PRECEDENCE.
- (A) 7.2 UNLESS OTHERWISE SPECIFIED, ISSUES OF REFERENCED DOCUMENTS ARE THOSE IN EFFECT AT THE TIME OF SOLICITATION.
- 7.3 NUT ELEMENTS WITHOUT MANUFACTURER'S IDENTIFICATION MAY BE FURNISHED FROM MANUFACTURER'S STOCK UNTIL DECEMBER 31, 1985.

PREPARING ACTMITY: DLA-IS CUSTODIANS: ARMY- AR      NAVY- AS AIR FORCE- 11      DLA- REVIEW: MI, AV, SH, 82, 99 USER: PROJECT NUMBER: 5310-2009	MILITARY SPECIFICATION SHEET TITLE NUT ELEMENT, ATTACHED RETENTION ELEMENT (A.R.E.), 450F, STEEL (AISI 1050 OR 4130), 125 KSI Flu	SPECIFICATION SHEET NUMBER <b>MS14214</b> 30 SEPT 94 REV A SUPERSEDING MS14214 21 DEC 83 AMSC- N/A      FSC 5310
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