

W-R-550A
AMENDMENT-1
August 18, 1977

FEDERAL SPECIFICATION

ROD, GROUND (WITH ATTACHMENTS)

This amendment, which forms a part of Federal Specification W-R-550A, dated June 12, 1975, was approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies.

PAGE 2

2.1, under Federal Specification, delete:

"QQ-S-634 - Bar, Carbon, Cold Finished, Standard Quality."

2.1, under Military Standards, delete:

"MIL-STD-130 - Identification Marking of US Military Property."

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2.2, under American Society for Testing and Materials, add:

"A108 - Steel Bars, Carbon, Cold Finished, Standard Quality."

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After 3.3.1, add:

"3.3.1.1 Threads for the Type III, Class B rods and couplings. The Type III rods shall have 5/8-II-UNC-2A or 3/4-IO-UNC-2A threads as specified. The coupling shall be in accordance with Figure 5."

3.3.3, line 2, after "to", delete "QQ-S-634, Grade 1025" and substitute "ASTM A108, Grade 1020, 1022, or 1025."

3.3.4, line 2, after "to", delete "QQ-S-634, Grade 1018" and substitute "ASTM A108, Grade 1016, 1018, or 1020."; second sentence, after "B", delete "92" and substitute "90".

3.10.2, line 3, delete "SQUARE" and substitute "HEX".

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3.16, delete in its entirety.

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4.4.1, after "MIL-STD-105", change comma to period; delete "Inspection Level III" and add the following sentence:

"The inspection level for examination shall be Level II, and the inspection level for tests shall be Level S-3."

4.4.2.1, delete second sentence and substitute:

"AQL for examination shall be 4.0 percent defective and AQL for tests shall be 1.5 percent defective."

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TABLE I. TEST SCHEDULE, add under column headings:

<u>PREPRODUCTION</u>	<u>QUALITY CONFORMANCE</u>		<u>TEST</u>	<u>TEST PARAGRAPH</u>	<u>REQUIREMENT PARAGRAPH</u>
	<u>INDIVIDUAL</u>	<u>SAMPLE</u>			
" X	1	X	Copper	4.6.5	3.3.4 "

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Add 4.6.5:

"4.6.5 Thickness of copper cladding. The thickness of the copper cladding on Class B rods shall be measured with an elecometer thickness gage, Type B, thickness not in accordance with 3.3.4 shall constitute failure of test and shall be cause for rejection."

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Delete "GL" as preparing activity and substitute "ME".

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Figure 2, delete "SQUARE-HEAD" and substitute "HEX-HEAD"; show set screw as hex-head.

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Figure 3, show set screw as hex-head; add: "2-5' sections for 10' rod"; add: "2-couplings for 10' rod".

Add Figure 5.

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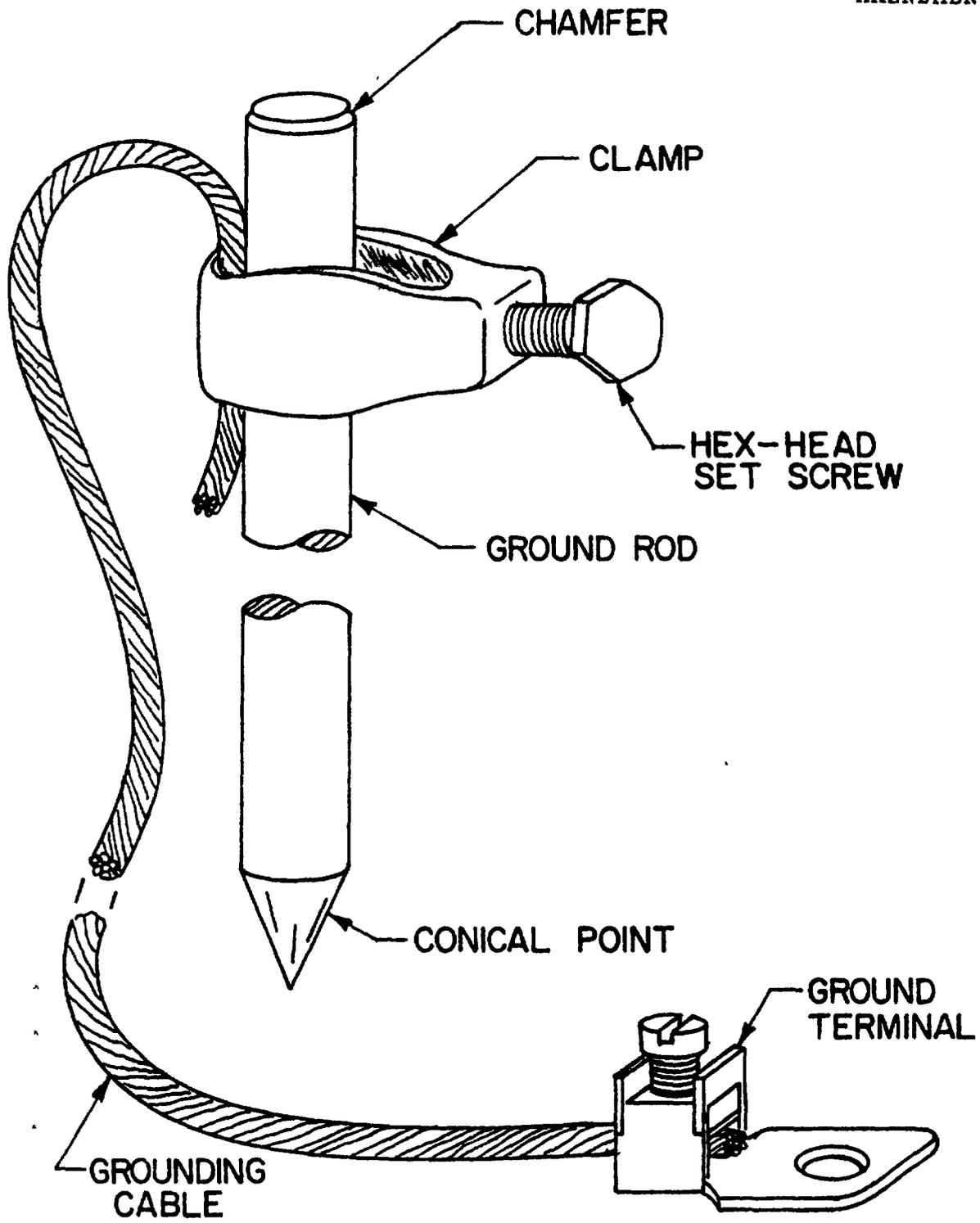


FIGURE 2. Type II, Class A or B, driven rod.

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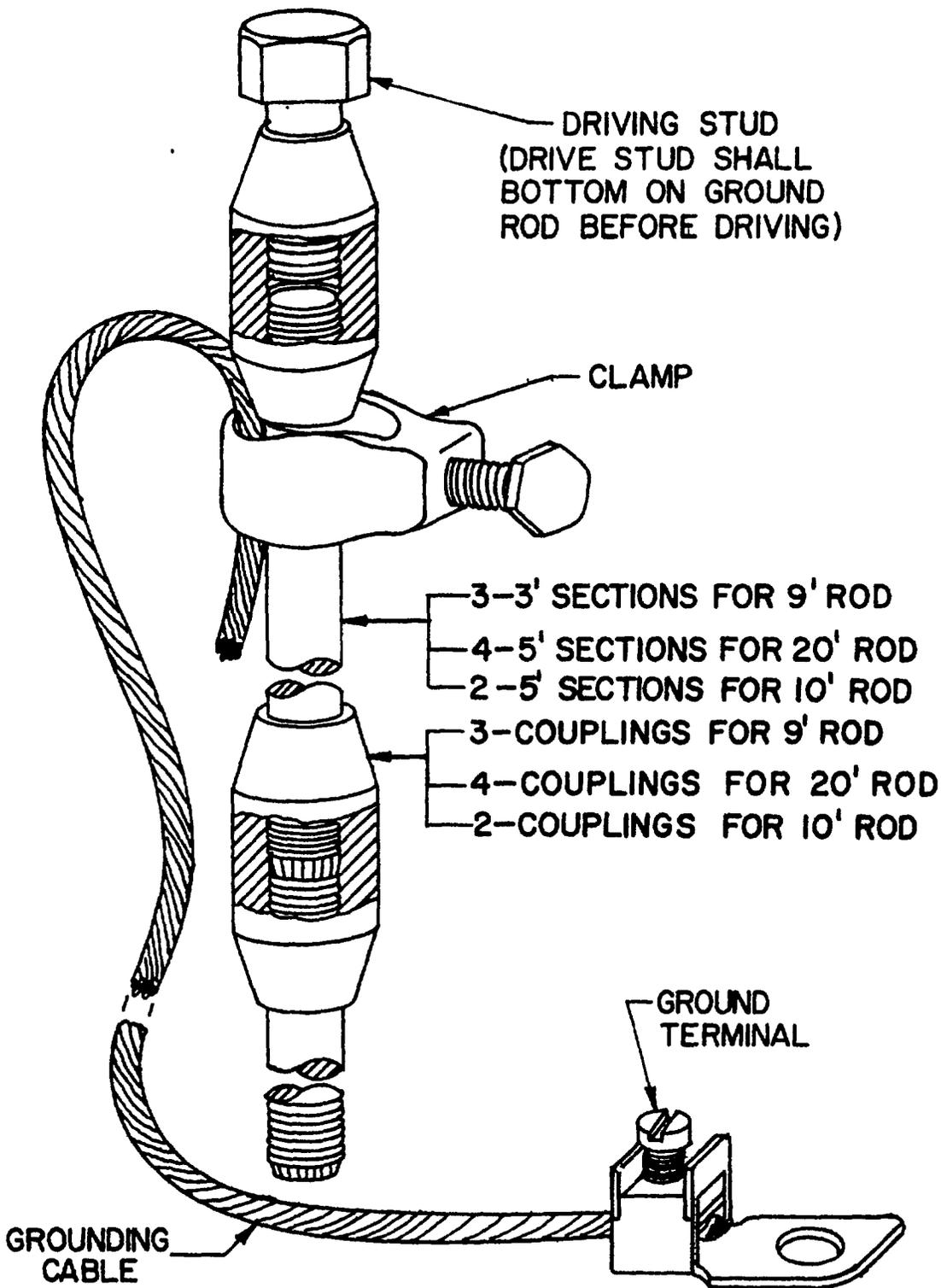
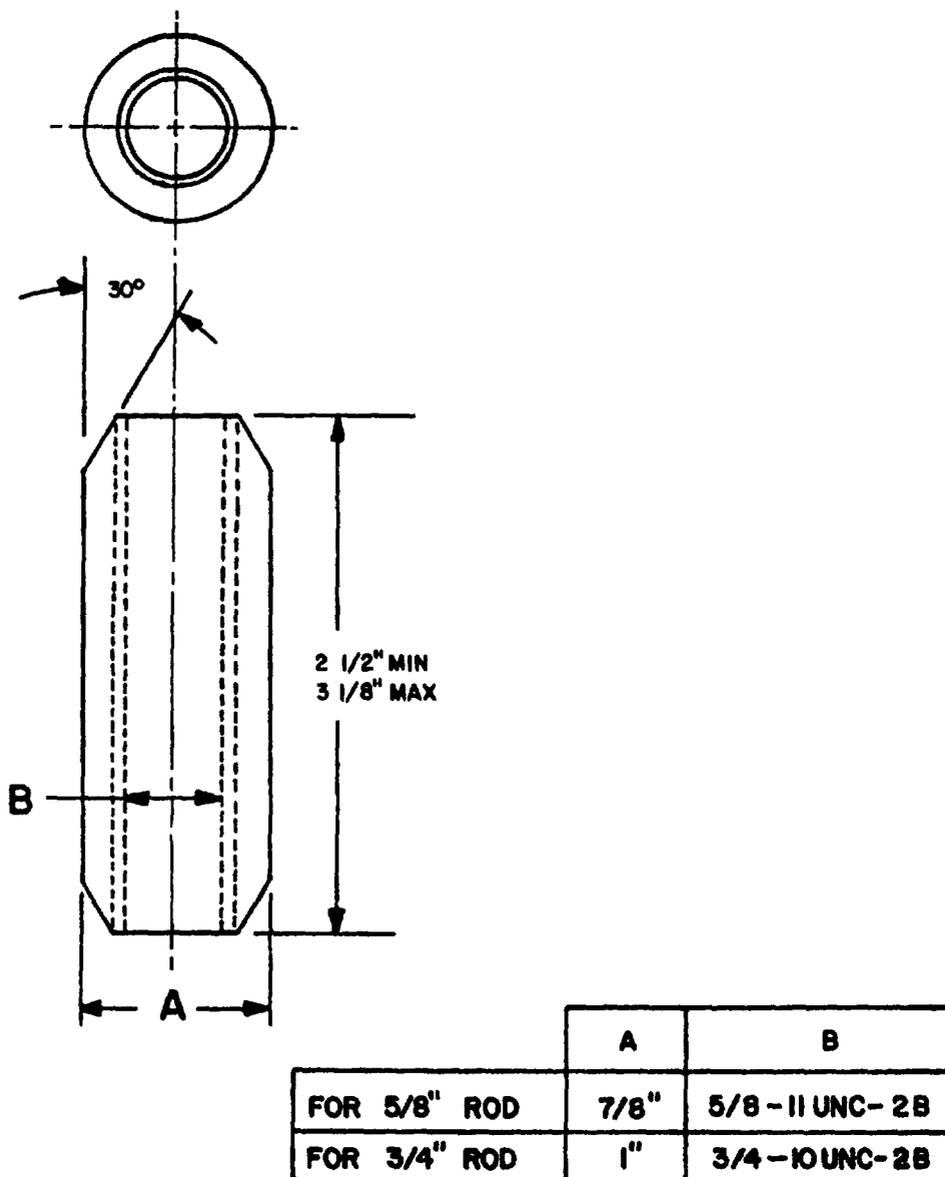


FIGURE 3. Type III, Class B, sectional rod.

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MATERIAL: COPPER ALLOY NO. 655, HIGH SILICON
BRONZE; 1/4 HARD TEMPER CONDITION, ROCKWELL
B80 HARDNESS.

FIGURE 5. Coupling for Type III, Class B, sectional rod.

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MILITARY INTERESTS:

Custodians:

Army - ME
Navy - YD
Air Force - 85

Review activities:

Army - EL
Air Force - 99, 11
DLA - GS

User activity:

Army - WC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

Preparing activity:

Army - ME

Project 5975-0534