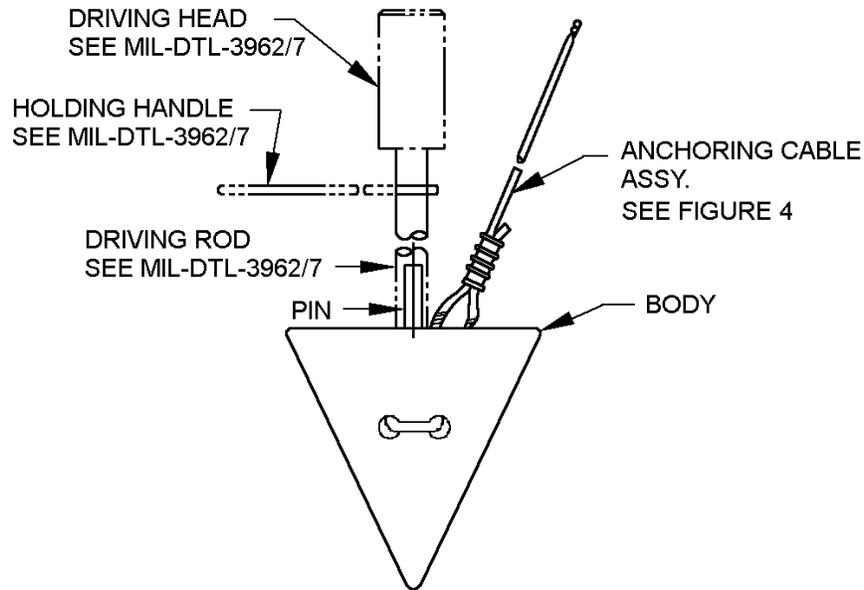


DETAIL SPECIFICATION SHEET

ANCHORS, GROUND, ARROWHEAD, MALLEABLE IRON, 8 INCH

This specification is approved for use by all Departments and Agencies of the Department of Defense.

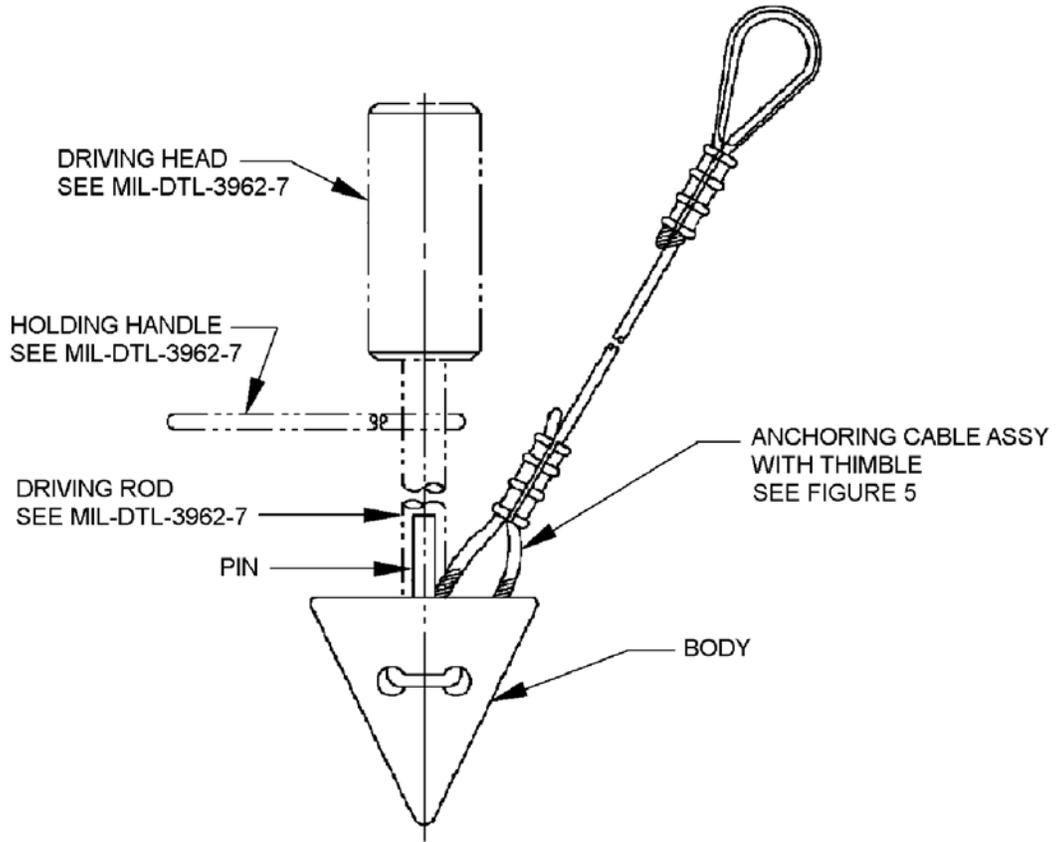
The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-3962.



NOTE: Body and pin dimensions see figure 3.

FIGURE 1. 8 inch ground anchor assembly grade B, style 3.

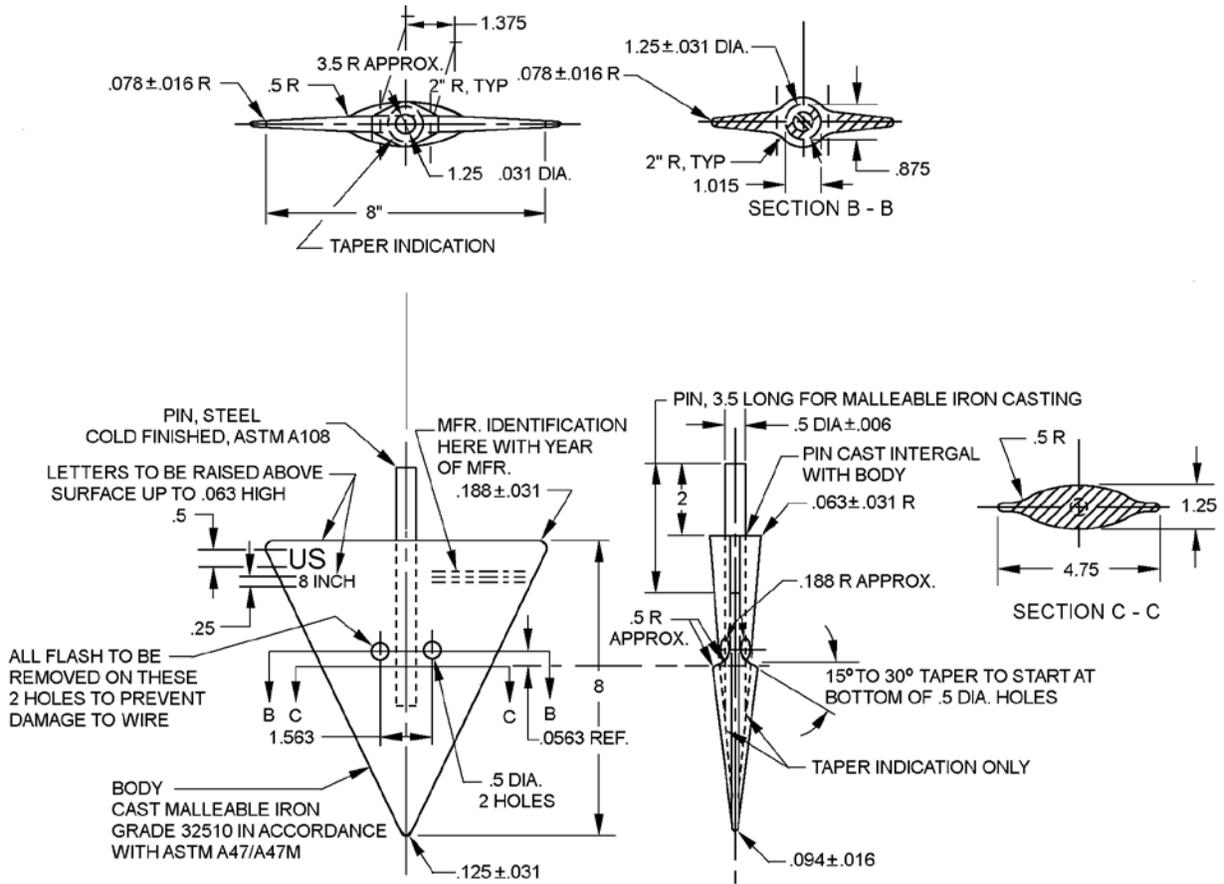




NOTE: Body and pin dimensions see figure 3.

FIGURE 2. 8 inch ground anchor assembly, grade B, style 4.

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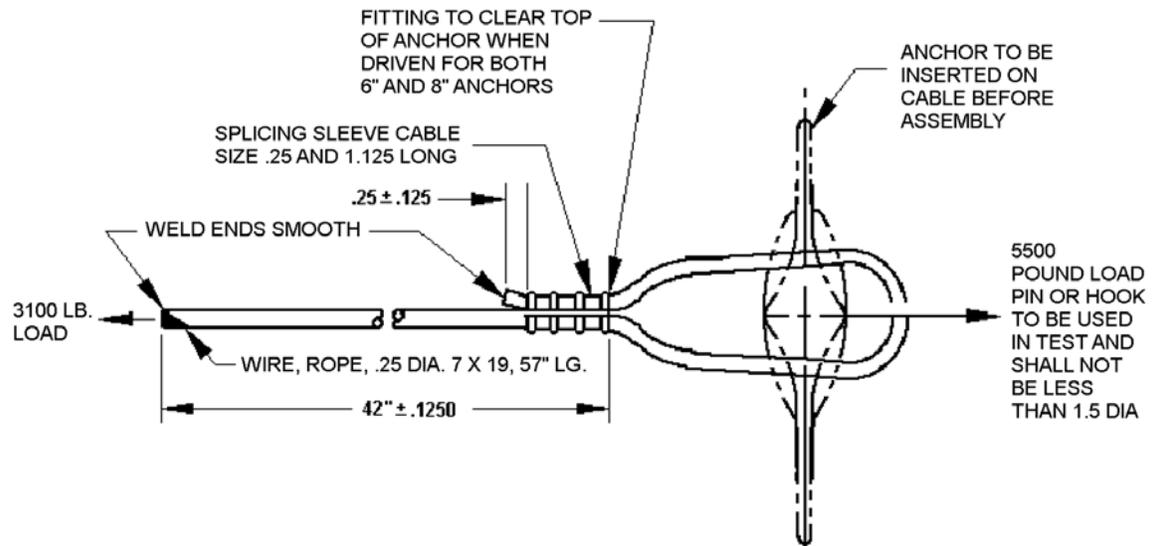
| Inch | mm | Inch | mm |
|-------|------|-------|-------|
| .006 | 0.15 | .5 | 12.7 |
| .016 | 0.41 | .875 | 22.23 |
| .031 | 0.79 | 1.015 | 25.78 |
| .0563 | 1.43 | 1.25 | 31.75 |
| .063 | 1.60 | 1.375 | 34.93 |
| .078 | 1.98 | 1.563 | 39.70 |
| .094 | 2.39 | 2 | 50.80 |
| .125 | 3.18 | 3.5 | 88.90 |
| .188 | 4.78 | 4.75 | 127.7 |
| .25 | 6.35 | 8 | 203 |

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified tolerances are $\pm .063$ inch (1.60 mm) and angles $\pm 3^\circ$, wire and metal gages excluded.
4. Casting to be free of fins and flash.
5. Break all sharp edges.

FIGURE 3. Body and pin.

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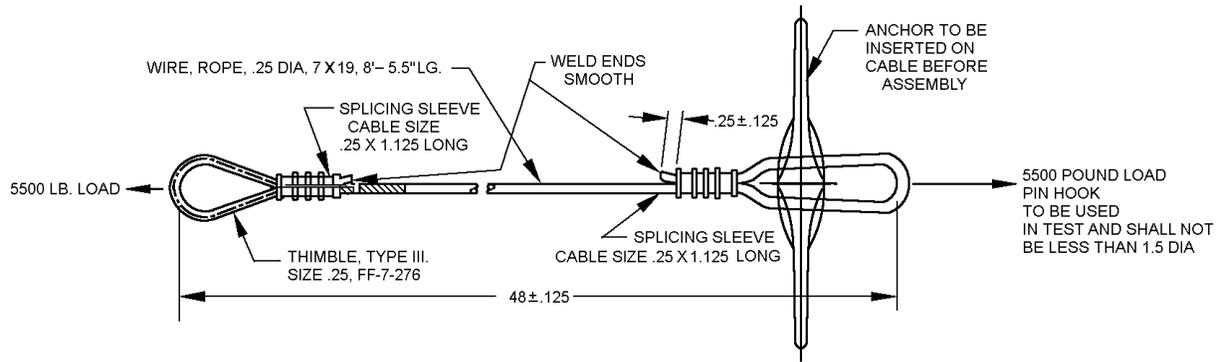
| Inch | mm |
|------|------|
| .125 | 3.18 |
| .25 | 6.4 |
| .50 | 12.7 |
| 1.5 | 38 |
| 42 | 1067 |
| 57 | 1448 |

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified tolerances are $\pm .063$ inch (1.60 mm).
4. Wire rope shall be steel, type I, composition A, in accordance with MIL-DTL- 83420/1.
5. Proof load equal to breaking strength as specified in MIL-DTL-3962.

FIGURE 4 Anchoring cable assembly 5500 lb load for type I, grade B, style 3.

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| Inch | mm |
|-------|-------|
| .125 | 3.18 |
| .25 | 6.35 |
| 1.125 | 28.58 |
| 48 | 1219 |
| 101.5 | 2578 |

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified tolerances are $\pm .063$ inch (1.60 mm).
4. Wire rope shall be steel, type I, composition A, in accordance with MIL-DTL- 83420/1.
5. Proof load equal to breaking strength as specified in MIL-DTL-3962.

FIGURE 5 Anchoring cable assembly with thimble 5500 LB load grade B, style 4.

REQUIREMENTS

Material:

Body Grade B cast malleable iron grade 32510 in accordance with ASTM A47/A47M.

Pin steel in accordance with ASTM A108, cold finished.

Style see table I.

TABLE I. Style and style designator.

| Style designator | Description |
|------------------|--|
| A | Anchor (see figure 3) without cable |
| 3 | Anchor (see figure 1) - cable without thimble, 5500-pound load, style 3, see figure 4 |
| 3C | Anchor (see figure 1) - cable without thimble, 5500-pound load, style 3, see figure 4, with driving head, holding handle, and driving rod |
| 4 | Anchor (see figure 2) - 48 inch cable with thimble, 5500-pound load, style 4, see figure 5 |
| 4C | Anchor (see figure 2) - 48 inch cable with thimble, 5500-pound load, style 4, see figure 5, with driving head, holding handle, and driving rod |
| 4-60 <u>1/</u> | Anchor (see figure 2) - 60 inch cable with thimble, 5500-pound load, style 4, see figure 5 |
| 4-60C <u>1/</u> | Anchor (see figure 2) - 60 inch cable with thimble, 5500-pound load, style 4, see figure 5, with driving head, holding handle, and driving rod |
| 4-120 <u>1/</u> | Anchor (see figure 2) - 120 inch cable with thimble, 5500-pound load, style 4, see figure 5 |
| 4-120C <u>1/</u> | Anchor (see figure 2) - 120 inch cable with thimble, 5500-pound load, style 4, see figures 2 and 5, with driving head, holding handle, and driving rod |

1/ Same as figures 5 except 48 \pm .25 inch dimension is replaced with 60 or 120 \pm .25 inch cable.

See MIL-DTL-3962/7 for driving head and drill head. Eight inch anchors require the use of a 4 foot drill rod 1.00 inch diameter.

Drive 3.5 feet minimum depth.

Finish (not applicable to zinc coated parts):

Body and pin shall be coated with aluminum pigmented enamel or enamel, alkyd, conforming to MIL-DTL-53039, color designator, see table II.

Holes in driving rods and driving heads shall be free of excess paint to ensure proper fit.

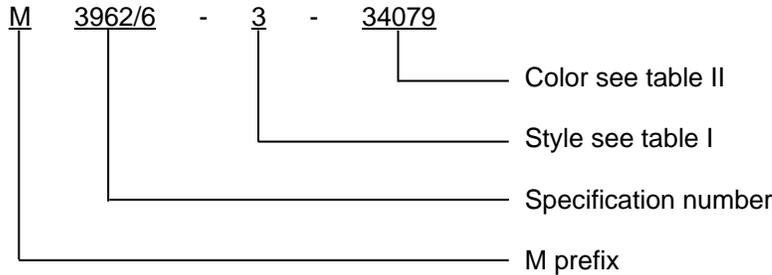
TABLE II. Color codes from FED-STD-595. 1/

| Color designator | Color |
|------------------|---|
| Blank | Zinc in accordance with ASTM A153/A153M |
| 34079 | Forest Green in accordance with FED-STD-595 |
| 33303 | Sand in accordance with FED-STD-595 |
| 33531 | Tan in accordance with FED-STD-595 |
| 38905 | Weapons safety red |

1/ See MIL-DTL-53039 for other coating colors.

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PIN: The PIN consists of the prefix letter "M" the specification sheet number, a dash number for style, a dash, and color designator.



PIN examples:

M3962/6-3-34079 indicates an 8inch anchor with a cable without thimble, forest green.

M3962/6-4-60C-33303 indicates an 8 inch anchor with a 60 inch cable or wire with thimble, with driving head, holding handle, and driving rod, sand.

Marking shall be as specified on figure 3.

Order of precedence. Unless otherwise noted herein or in the contract, in the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

Referenced documents shall be of the issue in effect on date of invitations for bid.

Table III is a cross reference listing from existing PIN's with national stock numbers (NSN) assigned to new PIN's.

TABLE III. Cross reference to new PIN's.

| Description | New PIN | Superseded PIN | NSN |
|---|-----------------|------------------------------|------------------|
| Anchor - 48 inch cable with thimble, 5500-pound load, style 4 | M3962/6-4-34079 | MIL-A-3962, GR B, SZ 8, ST 4 | 4030-00-580-8307 |

Referenced documents. In addition to MIL-DTL-3962, this document references the following:

- | | |
|-------------------|------------------|
| FF-T-276 | MIL-DTL-3962/7 |
| FED-STD-595 | MIL-DTL- 83420/1 |
| FED-STD-595/33303 | MIL-DTL-53039 |
| FED-STD-595/33531 | ASTM A108 |
| FED-STD-595/34079 | ASTM A47/A47M |
| FED-STD-595/38905 | ASTM A153/A153M |

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CONCLUDING MATERIAL

Custodians:

Army - GL
Navy - YD
Air Force - 99
DLA - CC

Preparing Activity:
DLA - CC

(Project 4030-2015-016)

Review Activities:

Army - EA, MD
Navy - SA
Air Force- 71

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.