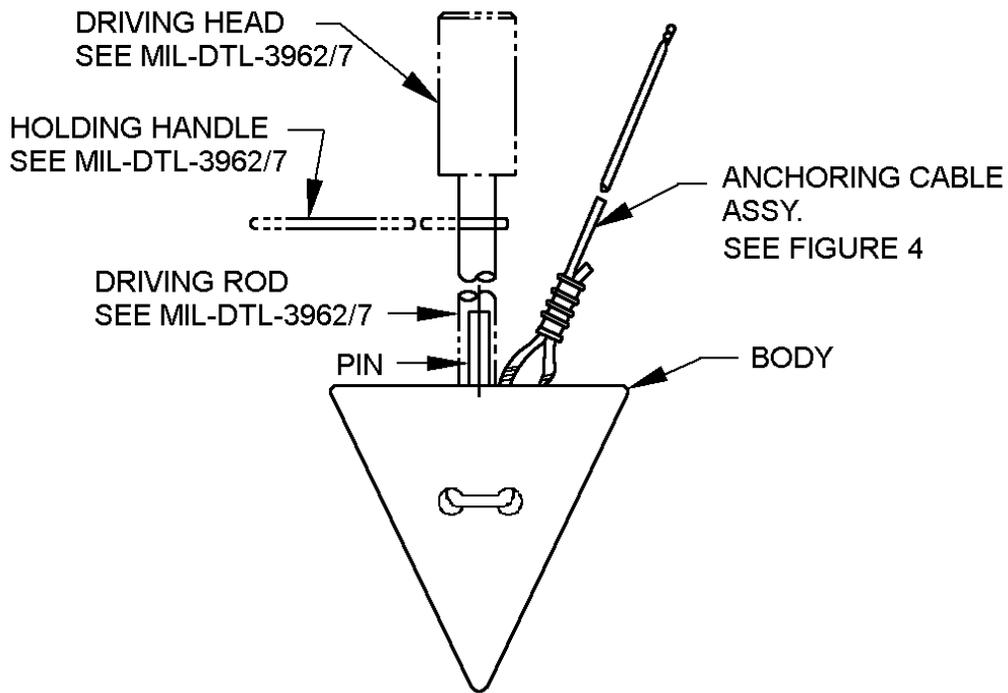


DETAIL SPECIFICATION SHEET

ANCHORS, GROUND, ARROWHEAD, MALLEABLE IRON, 6 INCH

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

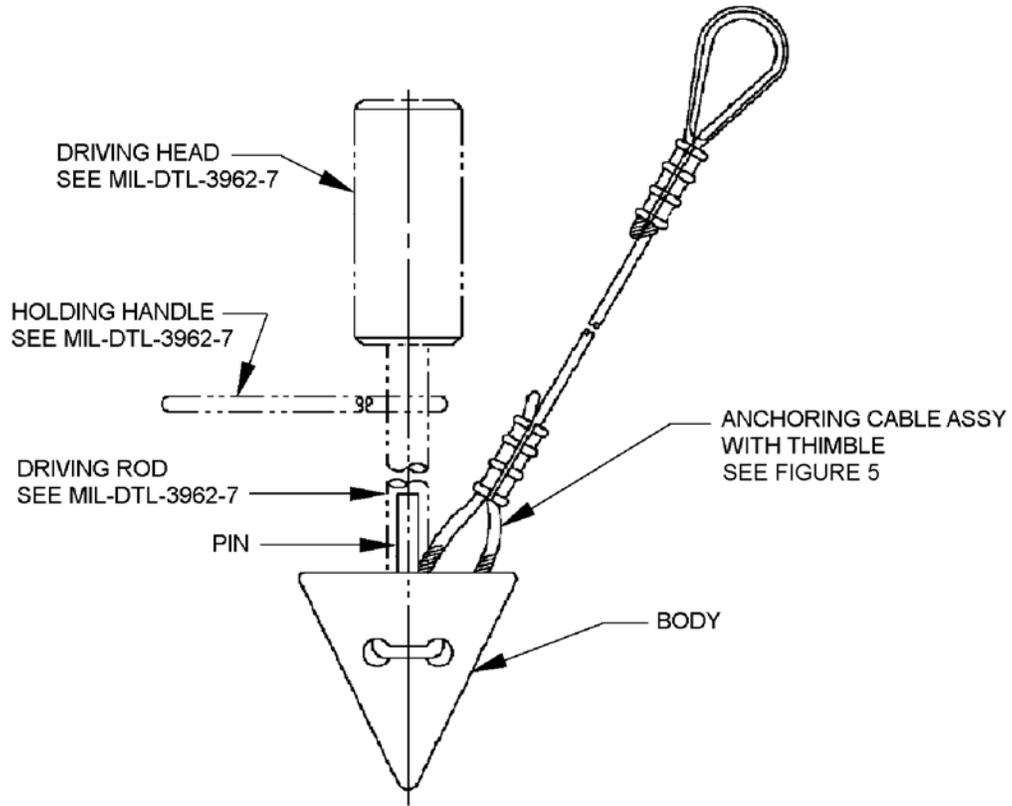
The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-3962.



NOTE: Body and pin dimensions see figure 3.

FIGURE 1. 6 inch ground anchor assembly grade B, style 3.

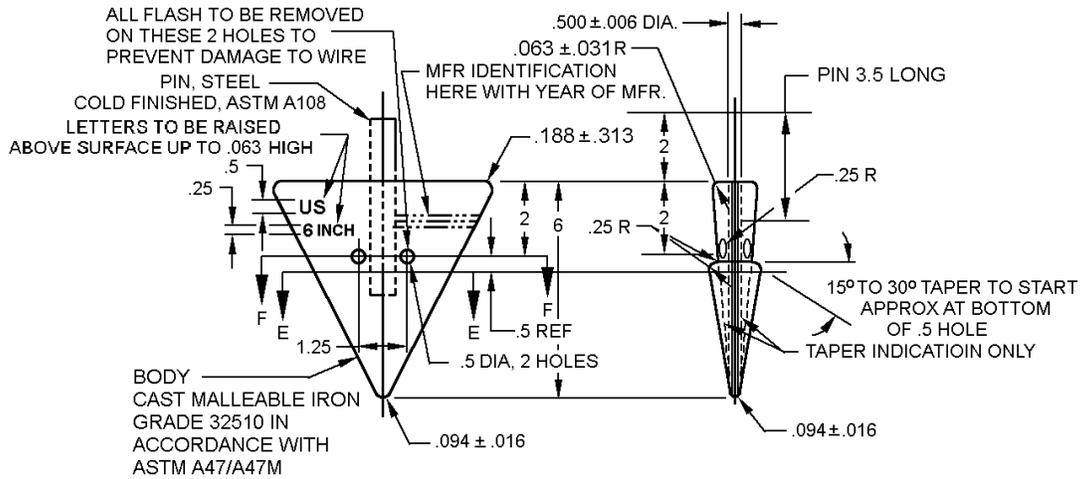
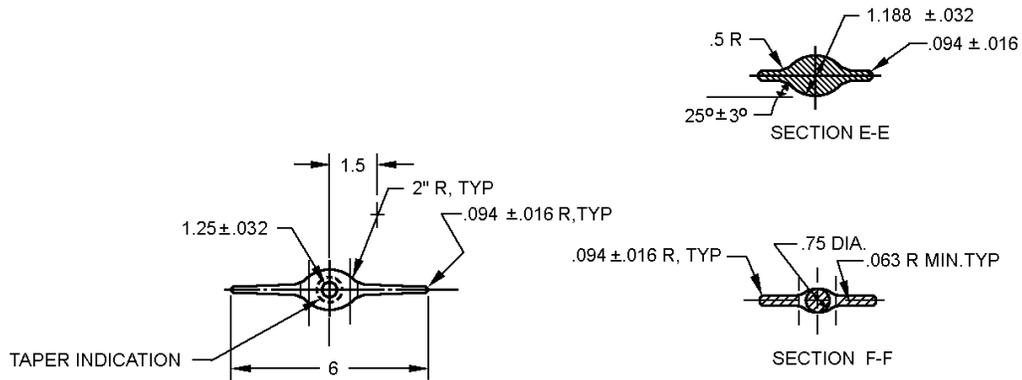




NOTE: Body and pin dimensions see figure 3.

FIGURE 2. 6 inch ground anchor assembly, grade B, style 4.

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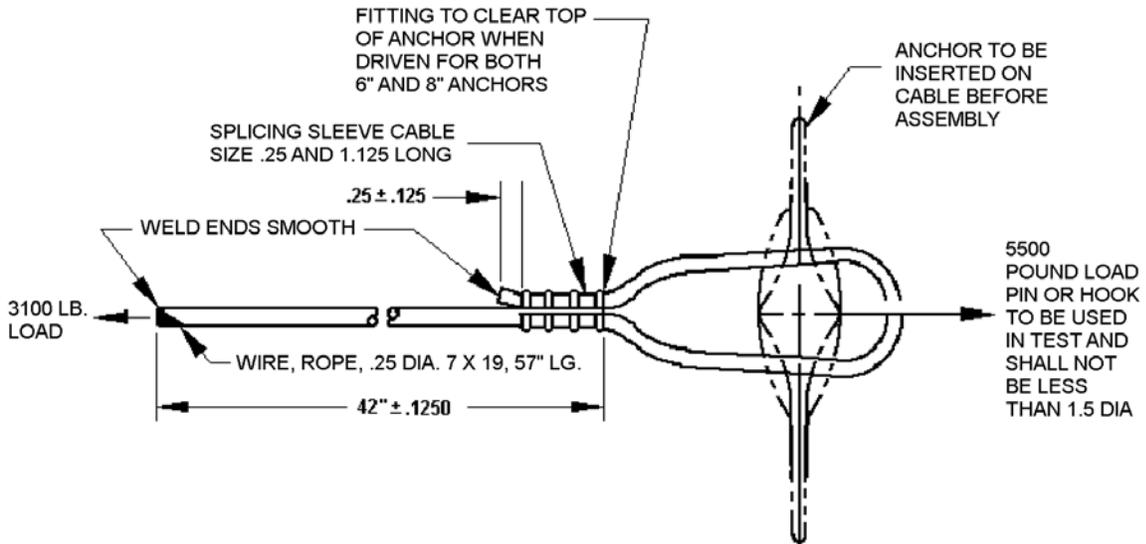
Inch	mm	Inch	mm
.006	0.15	.45	11.4
.016	0.41	.500	12.70
.031	0.79	1.188	30.18
.032	0.81	1.25	28.58
.063	1.60	1.5	38
.094	2.39	2	51
.188	4.78	3.5	89
.25	6.4	6	152
.313	7.95		

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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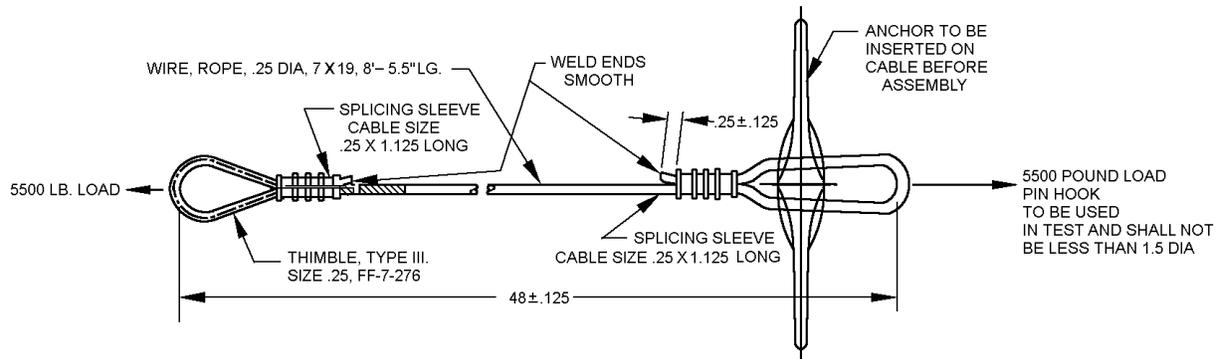
Inch	mm
.1250	31.75
.25	6.4
1.5	38
42	1067
57	1448

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	1219.2
101.5	2578.1

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 ±.25 inch dimension is replaced with 60 or 120 ±.25 inch cable.

See MIL-DTL-3962/7 for driving head, holding handle, driving and driving rod. Six inch anchors require the use of a 4 foot driving 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.



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TABLE III. Supersession data.

Description	New PIN	Superseded PIN	NSN
Anchor - cable without thimble, 5500-pound load, style 3	MS3962/4-3-34079	MIL-A-3962 SZ6 GRB ST3	4030-01-415-0620
Anchor - 48 inch cable with thimble, 5500-pound load, style 4,	MS3962/4-4-34079	4-1-198	5410-00-545-0424

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-53039
FED-STD-595/33303	MIL-DTL- 83420/1
FED-STD-595/33531	ASTM A108
FED-STD-595/34079	ASTM A47/A47M
FED-STD-595/38905	ASTM A153/A153M

CONCLUDING MATERIAL

Custodians:

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

Preparing Activity:

DLA - CC  
  
(Project 4030-2015-014)

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>.