

INCH-POUND

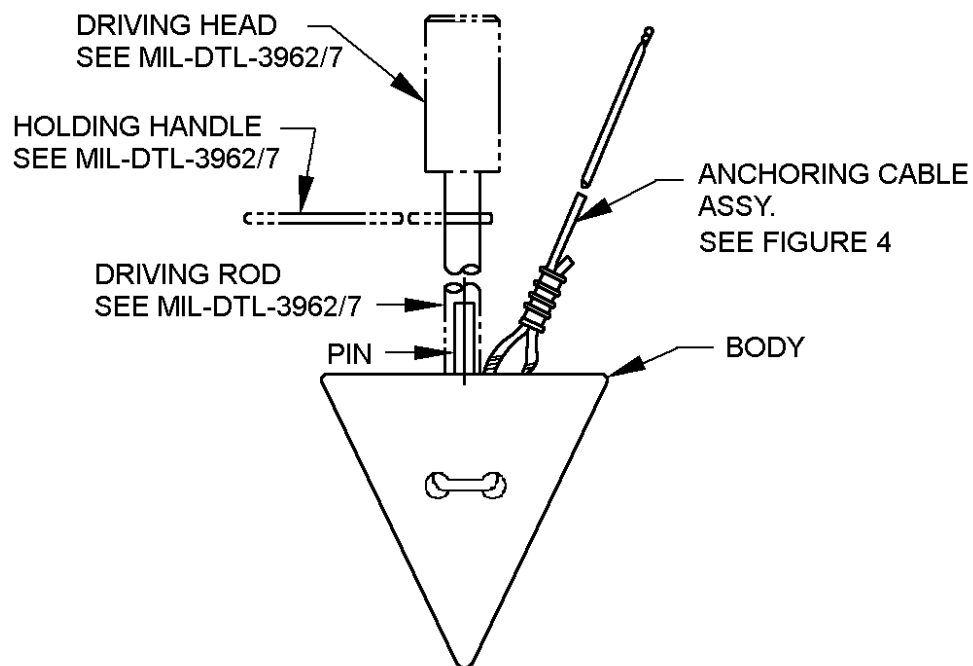
MIL-DTL-3962/5
w/ AMENDMENT 1
13 March 2020
MIL-DTL-3962/5
20 August 2015

DETAIL SPECIFICATION SHEET

ANCHORS, GROUND, ARROWHEAD, ALUMINUM, 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.



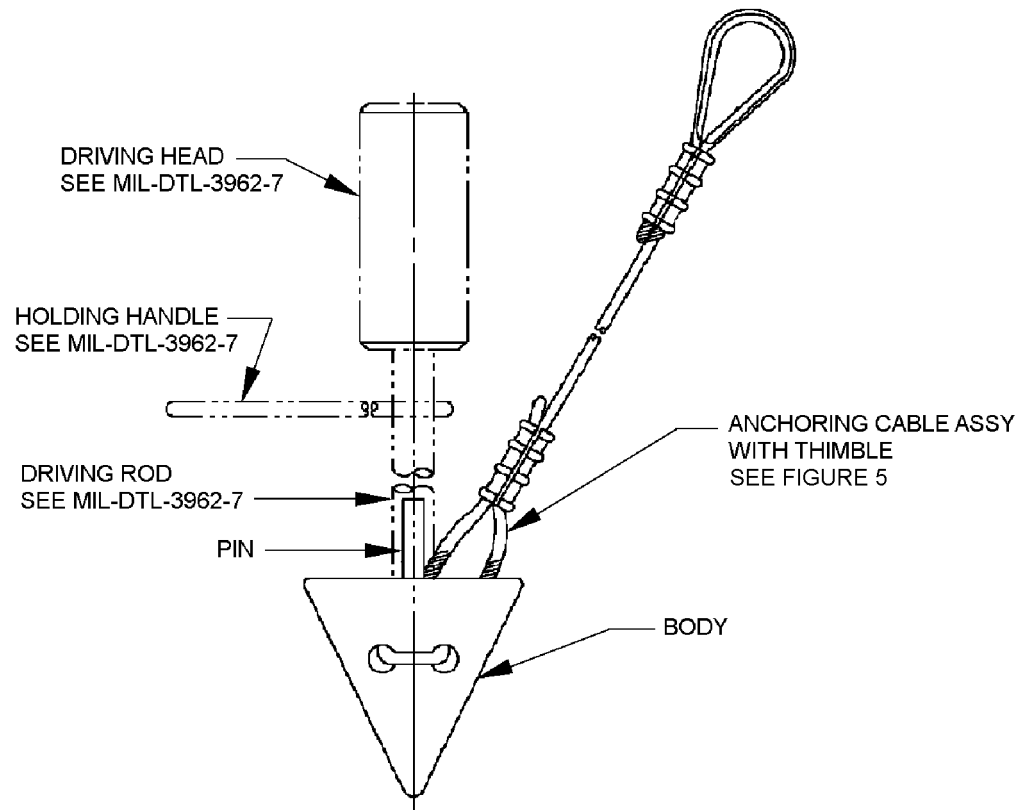
NOTE: Body and pin dimensions see figure 3.

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

AMSC N/A

FSC 4030

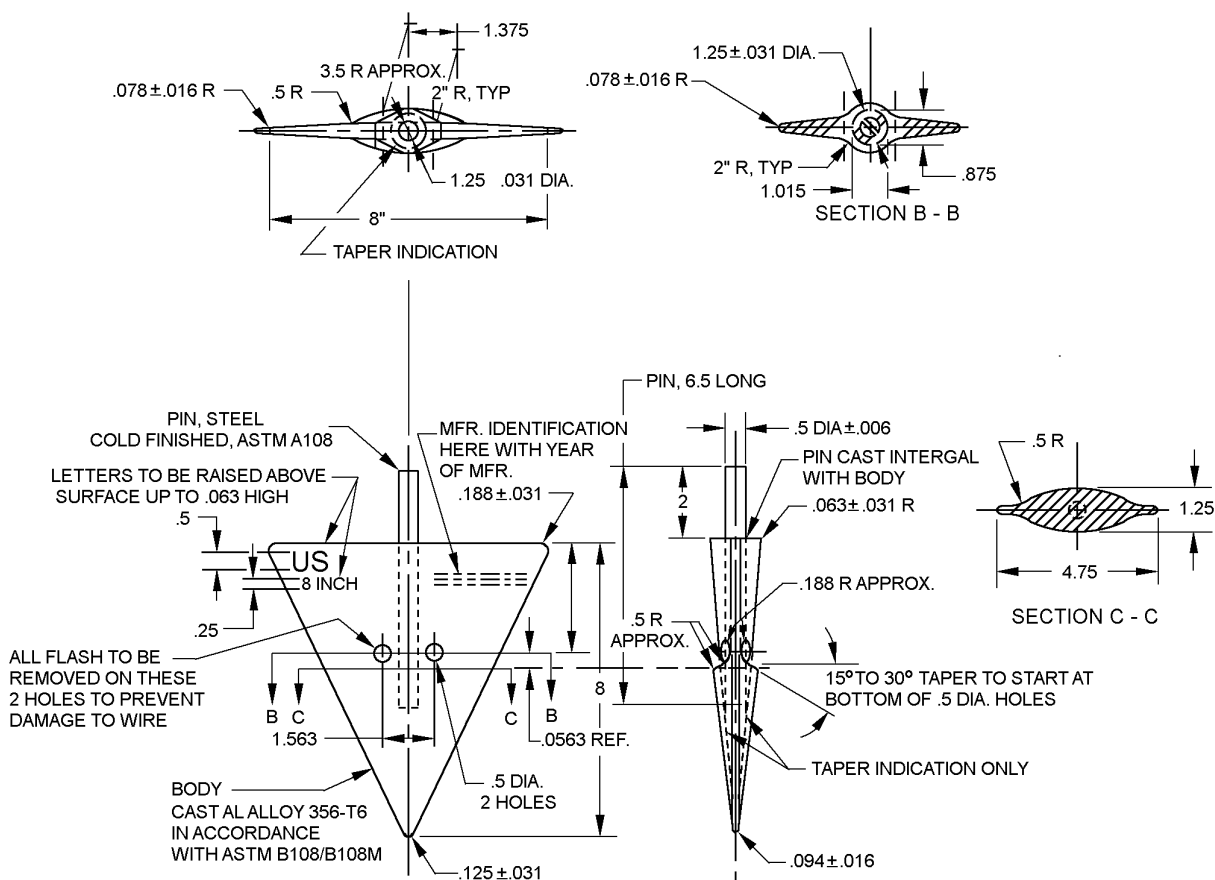




NOTE: Body and pin dimensions see figure 3.

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

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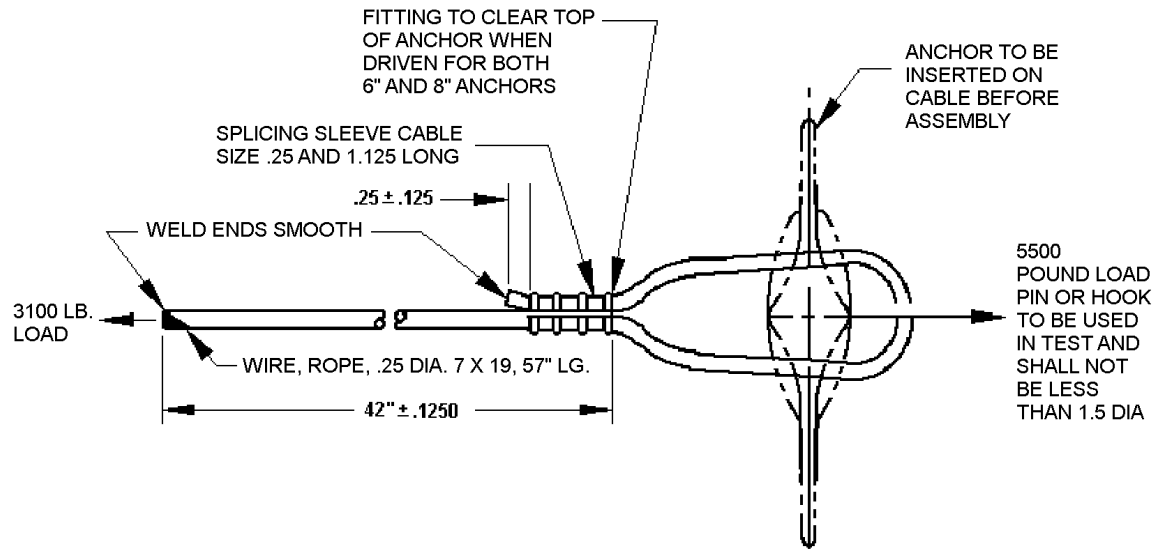
Inch	mm	Inch	mm
.006	0.15	.5	12.7
.016	0.41	.875	22.23
.031	0.79	1.015	25.78
.0563	1.43	1.25	31.75
.063	1.60	1.375	34.93
.078	1.98	1.563	39.70
.094	2.39	2	50.80
.125	3.18	4.75	127.7
.188	4.78	6.5	165
.25	6.35	8	203

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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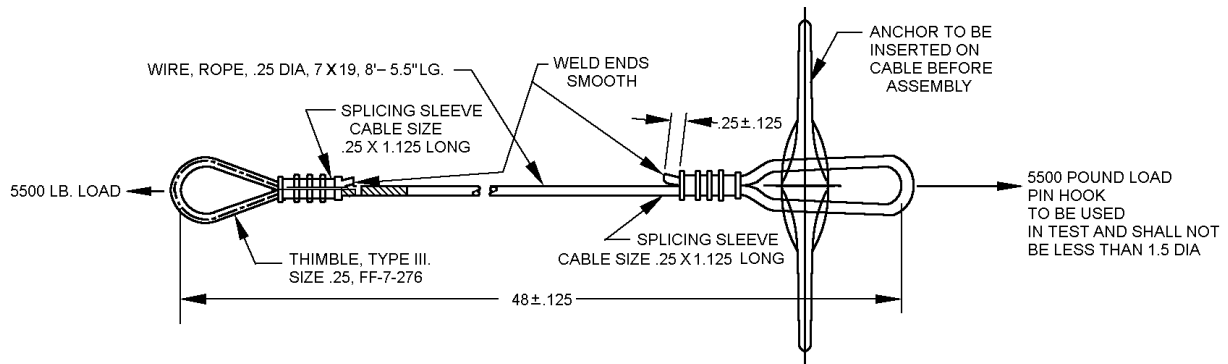
Inch	mm
.125	3.18
.25	6.4
.50	12.7
4.5	38
42	1067
57	1448

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 A, 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 A, style 4.

REQUIREMENTS

Material:

Body: Aluminum alloy in accordance with ASTM B108/B108M alloy 356.0-T6 (UNS A03560 T6.)

Pin: Steel in accordance with ASTM A108, cold finished.

Style and designator see table I.

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TABLE I. Anchor 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 figure 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, and driving rod. Eight inch anchors require the use of a 4 foot driving rod 1.00 inch diameter.

Drive 3.5 feet minimum depth.

Finish:

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

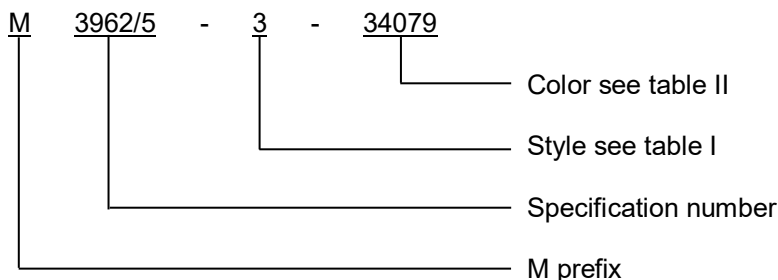
Holes in driving rods and driving heads shall be free of excess paint to ensure proper fit.

TABLE II. Color codes from SAE-AMS-STD-595. 1/

Color designator	Color
Blank	None
34079	Forest green in accordance with SAE-AMS-STD-595
33303	Sand in accordance with SAE-AMS-STD-595
33531	Tan in accordance with SAE-AMS-STD-595
38905	Weapons safety red

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

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



M3962/5-3-34079 indicates an 8 inch anchor with a cable without thimble, forest green.
M3962/5-4-60C-33303 indicates an 8 inch anchor with a 60 inch cable or wire with thimble, with driving head, holding handle, and driving rod, sand.

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.

Legacy. This slash sheet is a replacement for drawing 4-1-198, referenced in MIL-A-3962, dated 19 May 1986. Color designator 34079 is the original color of the accessories, see table III for supersession listing.

Description	New PIN	Superseded PIN
Anchor - cable without thimble, 5500-pound load, style 3,	M3962/5-3-34079	MIL-A-3962TY1S6GRBSTY3
Anchor - 48 inch cable with thimble, 5500-pound load, style 4	M3962/5-4-34079	MIL-A-3962,SZ6,GRA,STY4
		MIL-A-3962 SZ4,6, OR 8IN
		MIL-A-3962 SZ 8 GR A ST 4

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

SAE-AMS-STD-595	MIL-DTL-83420/1
SAE-AMS-STD-595/33303	MIL-DTL-53039
SAE-AMS-STD-595/33531	FF-T-276
SAE-AMS-STD-595/34079	ASTM B108/B108M
SAE-AMS-STD-595/38905	ASTM A108
MIL-DTL-3962/7	

CONCLUDING MATERIAL

Custodians:

Army - GL
Navy - YD
Air Force - 71
DLA - CC

Preparing Activity:

DLA - CC

(Project 4030-2020-005)

Review Activities:

Army - EA, MD
Navy - SA

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>.