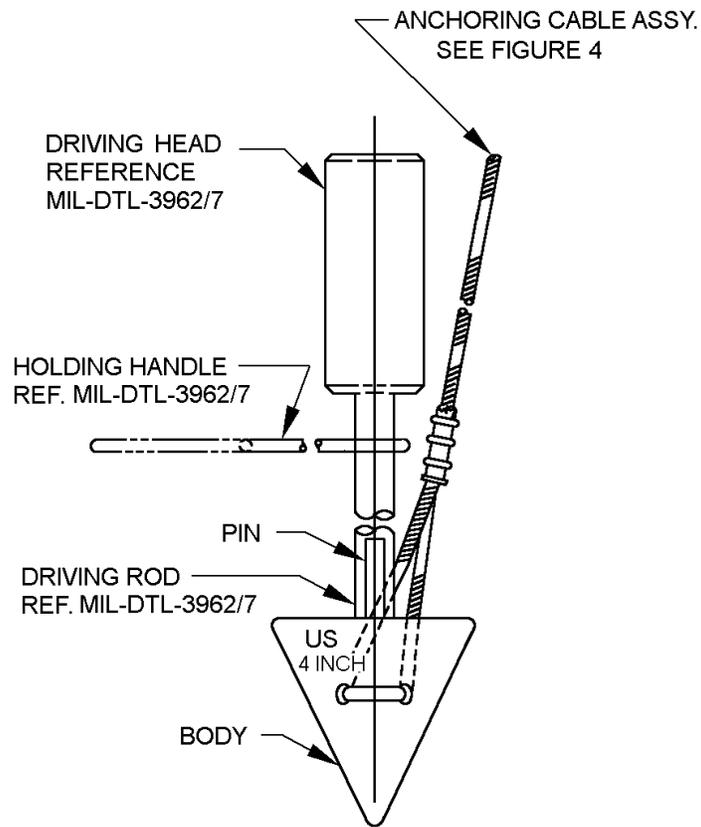


DETAIL SPECIFICATION SHEET

ANCHORS, GROUND, ARROWHEAD, ALUMINUM, 4 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.

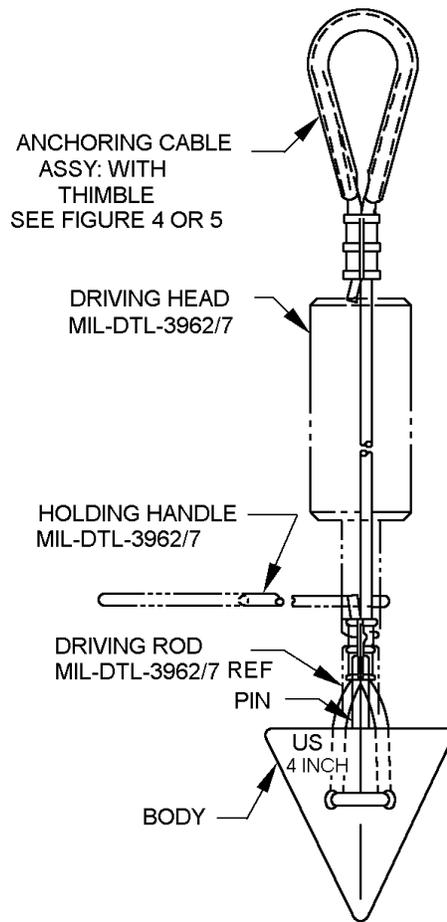


NOTE: Body and pin dimensions see figure 3.

FIGURE 1. 4 inch ground anchor assembly grade A, style 1.

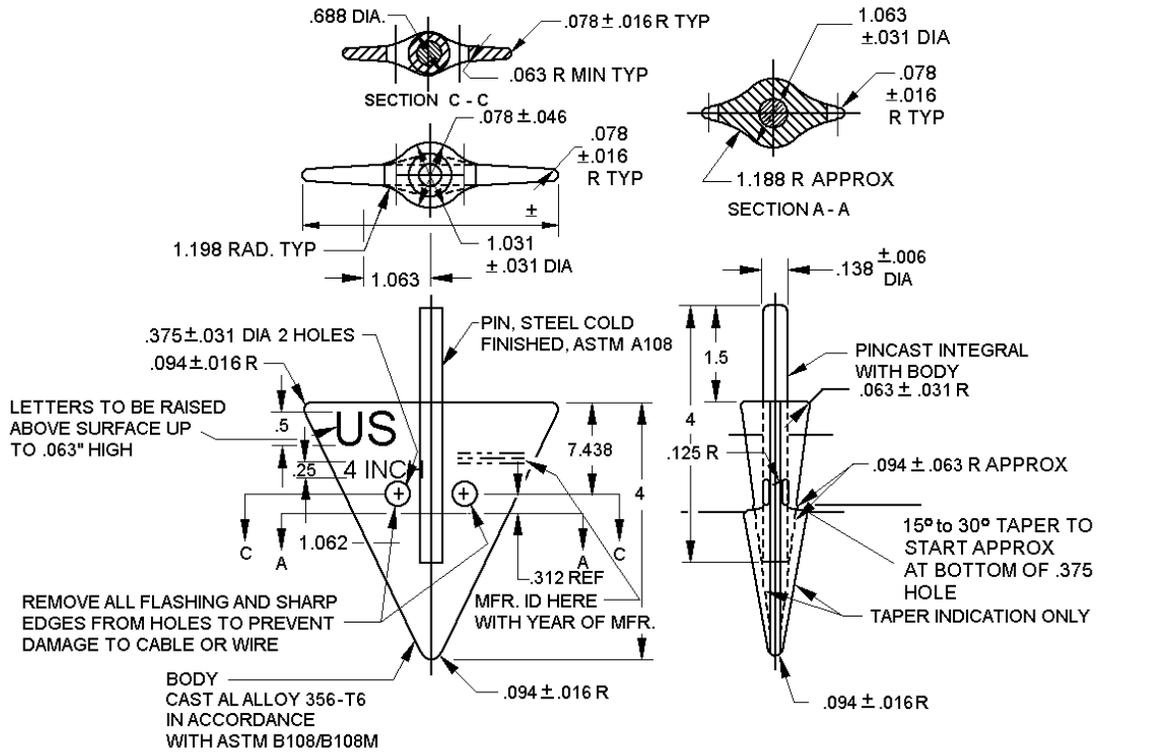


MIL-DTL-3962/1



NOTE: Body and pin dimensions see figure 3.

FIGURE 2. 4 inch ground anchor assembly, grade A, style 5.



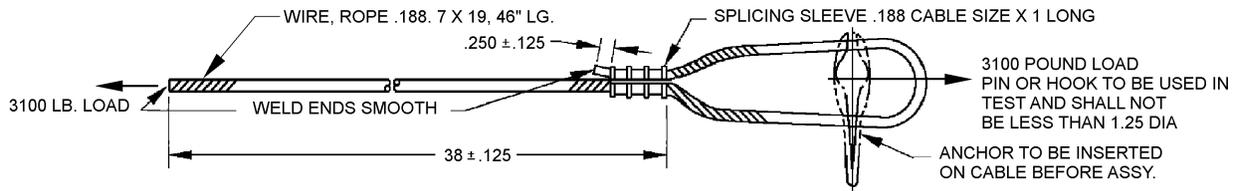
Inch	mm	Inch	mm
.006	0.15	.5	12.7
.016	0.41	.688	17.48
.031	0.79	1.031	26.19
.063	1.60	1.062	26.97
.078	1.98	1.063	27.00
.094	2.39	1.188	30.18
.125	3.18	1.198	30.43
.138	3.61	1.5	38.10
.25	6.4	4.0	101.6
.312	7.92	7.438	188.93
.375	9.53		

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.

MIL-DTL-3962/1

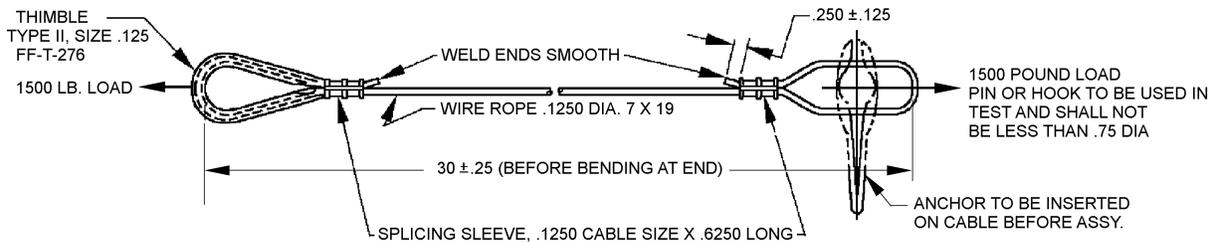


Inch	mm
.125	3.18
.188	4.78
.250	6.35
1.25	31.75
38.0	965.2

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 3100 lb load for type I, grade A, style 1.



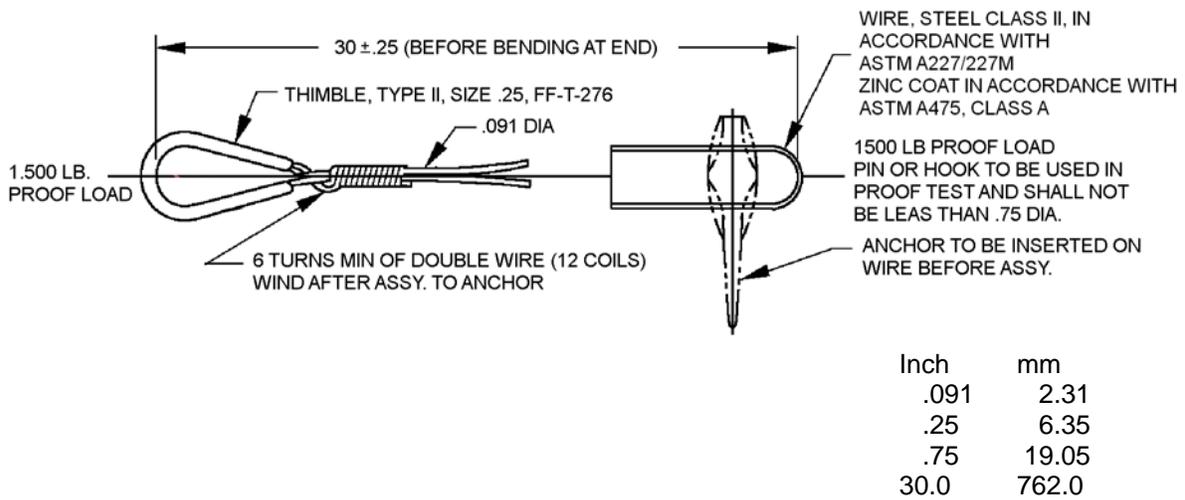
Inch	mm
.125	3.18
.250	6.35
.75	19.05
30.0	762.0

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 1500 LB load grade A, style 5

MIL-DTL-3962/1



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 6. Alternate construction (wire assembly) for 1500 LB load grade A, style 5.

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.

Anchor style and designator see table I.

TABLE I. Anchor style and style designator.

Style designator	Description
A	Anchor (see figure 3) without cable
1	Anchor (see figure 1) - cable without thimble, 3100-pound load, style 1, see figure 4
1C	Anchor (see figure 1) - cable without thimble, 3100-pound load, style 1, see figure 4, with driving head, holding handle, and driving rod
5	Anchor (see figure 2) - cable or wire with thimble, 1500-pound load, style 5, see figure 5 or 6
5C	Anchor (see figure 2) - cable or wire with thimble, 1500-pound load, style 5, see figure 5 or 6, with driving head, holding handle, and driving rod
5-36 <u>1/</u>	Anchor (see figure 2) - 36 inch cable or wire with thimble, 1500-pound load, style 5, see figure 5 or 6
5-36C <u>1/</u>	Anchor (see figure 2) - 36 inch cable or wire with thimble, 1500-pound load, style 5, see figure 5 or 6, with driving head, holding handle, and driving rod
5-48 <u>1/</u>	Anchor (see figure 2) - 48 inch cable or wire with thimble, 1500-pound load, style 5, see figure 5 or 6
5-48C <u>1/</u>	Anchor (see figure 2) - 48 inch cable or wire with thimble, 1500-pound load, style 5 see figure 5 or 6, with driving head, holding handle, and driving rod
5-60 <u>1/</u>	Anchor (see figure 2) - 60 inch cable or wire with thimble, 1500-pound load, style 5, see figure 5 or 6
5-60C <u>1/</u>	Anchor (see figure 2) - 60 inch cable or wire with thimble, 1500-pound load, style 5, see figure 5 or 6, with driving head, holding handle, and driving rod
5-120 <u>1/</u>	Anchor (see figure 2) - 120 inch cable or wire with thimble, 1500-pound load , style 5, see figure 5 or 6
5-120C <u>1/</u>	Anchor (see figure 2) - 120 inch cable or wire with thimble, 1500-pound load, style 5, see figure 5 or 6, with driving head, holding handle, and driving rod

1/ Same as figures 5 or 6, except 30.5 dimension is replaced with 36, 48, 60 or 120 ±.25 inch cable.

See MIL-DTL-3962/7 for driving head, holding handle, and driving rod. Four inch anchors require the use of a 4 foot driving rod .750 inch diameter.

Drive 2.5 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.

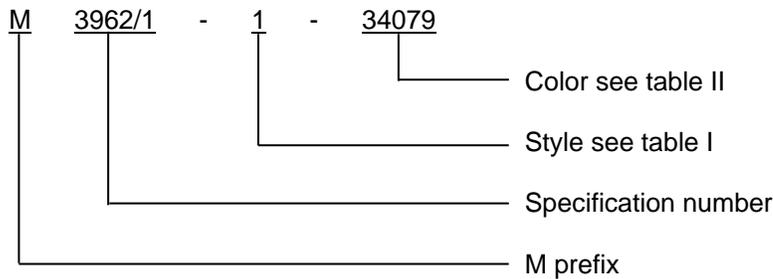
MIL-DTL-3962/1

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

Color designator	Color
Blank	None
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.

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:

M3962/1-1-34079 indicates a 4 inch anchor with a cable without thimble, forest green.

M3962/1-5-60C-33531 indicates a 4 inch anchor with a 60 inch cable or wire with thimble, with driving head, holding handle, and driving rod, tan.

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.

Legacy. This slash sheet is a replacement for drawing 4-1-196, 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 and associated National Stock Number (NSN).

TABLE III. Supersession data.

Description	New PIN	Superseded PIN	NSN
Anchor - cable without thimble, 3100-pound load, style 1	MS3962/1-1-34079	MILA3962	4030-00-580-8322

MIL-DTL-3962/1

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

FF-T-276	MIL-DTL-53039
FED-STD-595	MIL-DTL-83420/1
FED-STD-595/33303	ASTM A108
FED-STD-595/33531	ASTM A227/227M
FED-STD-595/34079	ASTM A475
FED-STD-595/38905	ASTM B108/B108M
MIL-DTL-3962/7	

CONCLUDING MATERIAL

Custodians:

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

Preparing Activity:
DLA - CC

(Project 4030-2015-011)

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>.