

CONTRACT DATA REQUIREMENTS LIST

DD FORM 1423 (MECHANIZED)

CATEGORY: MISC SYSTEM/ITEM: LEG ASSEMBLY,MOVABLE

TO CONTRACT/PR: T11TAHX1

1. SEQUENCE NUMBER		14. DISTRIBUTION	DRFT/REG/REPRO COPIES
2. TITLE OF DATA ITEM			
3. SUBTITLE			
4. DATA ITEM NUMBER			
5. CONTRACT REFERENCE			
6. TECHNICAL OFFICE	7. DD	8. APP	9. DIST STATEMENT
	250	CODE	REQUIRED
10. FREQUENCY	11. AS OF DATE		15. TOTAL:
12. DATE OF 1ST SUBMISSION	13. DATE OF SUBSEQUENT SUBMISSION		
16. REMARKS			

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1. A001		14.	
		AMSTA-AR-QAT-T	(1) / /
2. SPECIAL INSPECTION EQUIPMENT DESCRIPTIVE DOC.		(D)	/ /
3. AIE DESIGN DOCUMENTATION		QAR	/ /
		CO (LT ONLY)	/ /
4. DI-QCIC-81006*		AMSTA-AR-QAW-C	(2) / /
		(LT ONLY) (R)	/ /
5. SECTION E			
6. AMSTA-AR-QA	7. XX	8. A	9. N/A
10. ONE/R	11.N/A		15. TOTAL 0/ 0/ 0
12. **	13.WHEN REV.		

16. REMARKS

\* BLOCK 4: DO NOT ADDRESS PARAGRAPHS 10.1, 10.2, 10.4.1(f) AND 10.4.2. IGNORE ALL REFERENCE TO THE WORD "SPECIAL" IN DID. SUBMIT FOR ALL CRITICAL, SPECIAL AND MAJOR CHARACTERISTICS IN SPECIFICATION OR QAP.\*\* BLOCK 12: SUBMIT 30 DAYS PRIOR TO FA,OR PRODUCTION,IF FA IS WAIVED. THE GOVERNMENT WILL RESPOND WITHIN 30 DAYS OF RECEIPT OF ORIGINALS AND REVISIONS.REVISIONS ARE TO BE SUBMITTED WITHIN 10 DAYS OF RECEIPT OF GOVERNMENT RESPONSE.IF DOCUMENTATION WAS APPROVED ON PRIOR CONTRACT AND NO CHANGES WERE MADE,SUBMIT ONLY EVIDENCE OF PRIOR APPROVALS.

email: (1)aie-qat@pica.army.mil (2)amsta-ar-qa-cdr1@ria-emh2.army.mil  
Text:Microsoft Office 97  
Drawings:AutoCAD-Release 14(Expressed mailed hard copies will be accepted)  
Files may be compressed using ZIP program.  
WARNING: Large packages may cause delays in delivery using mail internet.  
Email subject line must contain end item nomenclature.

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1. A002		14.	
		PROCUREMENT	/ /
2. TEST PROCEDURE/ PHOSPHATE COATING PRE-		CONTRACTING	/ /
3. PRODUCTION PROCEDURE		OFFICER	/ 1/
4. DI-NDTI-80603*			
5. MIL-DTL-16232,PARA 3.1			
6. AMSTA-AR-WEP-RM	7. XX	8. A	9. N/A
10. ONE/R	11. N/A		15. TOTAL 0/ 1/ 0
12. 60 DAC	13. N/A		

16. REMARKS

BLOCK 8 CONT.-PRIOR TO PRODUCTION, APPROVAL THROUGH THE CONTRACTING OFFICER IS REQUIRED WITHIN 60 DAYS AFTER CONTRACT AWARD. A DD FORM 250 IS NOT REQUIRED FOR PHOSPHATE COATING PROCEDURE APPROVAL. CONTRACTOR FORMAT ACCEPTABLE. SHALL BE SUBMITTED ON AN IBM COMPATIBLE 3-1/2" DISKETTE IN RICH TEXT FORMAT (RTF).

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APPROVED BY: STEPHEN J HANSEN, SDMO, AMSTA-AR-QAD

DATE: 12/11/2000

CONTRACT DATA REQUIREMENTS LIST

CATEGORY: MISC SYSTEM/ITEM: TOWBAR CLAMP CABLE ASSY  
 TO CONTRACT/PR: T21TAEX2

1. SEQUENCE NUMBER		14.	DRFT/REG/REPRO
		DISTRIBUTION	COPIES
2. TITLE OF DATA ITEM			
3. SUBTITLE			
4. DATA ITEM NUMBER			
5. CONTRACT REFERENCE			
6. TECHNICAL OFFICE	7. DD	8. APP	9. DIST STATEMENT
	250	CODE	REQUIRED
10. FREQUENCY	11. AS OF DATE		
12. DATE OF 1ST SUBMISSION	13. DATE OF SUBSEQUENT SUBMISSION		

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1. A001		14.	
		AMSTA-AR-CCL-F	/ /
2. CONFIGURATION CHANGE CONTROL*		(ECALS)	/ /
3. ENGINEERING ACTIONS			
4. DI-CMAN-81554			
5. SECTION C			
6. AMSTA-AR-CCL-F	7. NO	8.	9. **
10. ASREQ	11. --	15. TOTAL	0/ 0/ 0
12. ASREQ	13. ASREQ		

16. REMARKS  
 PREPARE ENGINEERING ACTIONS IAW DI-CMAN-81554 AND SUBMIT ELECTRONICALLY VIA  
 ECALS WORLDWIDE WEB PAGE HTTP://EDMD4.PICA.ARMY.MIL/.  
 \*DATA INFORMATION PACKET \*\*DISTRIBUTION STATEMENT WILL BE ASSIGNED AND  
 IMPLEMENTED BY THE DOD CONFIGURATION MANAGER  
 THE POC FOR ECALS IS LEE SADAUSKAS, AMSTA-AR-QAW, (973)724-6626,  
 LEES@PICA.ARMY.MIL.

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1. A002		14.	
		PROCUREMENT	/ 1/
2. TEST PROCEDURE - PHOSPHATE COATING		CONTRACTING	/ /
3. PRE-PRODUCTION PROCEDURE		OFFICER	/ /
4. DI-NDTI-80603**			
5. MIL-DTL-16232G			
6. AMSTA-AR-WEP	7. XX	8. A	9. N/A
10. ONE/R	11. N/A	15. TOTAL	0/ 1/ 0
12. 60DAC	13. N/A		

16. REMARKS

BLOCK 8 CONT.- PRIOR TO PRODUCTION APPRAVAL THRU THE CONTRACTING OFFICER IS  
REQUIRED W/IN 60 DAYS AFTER CONTRACT AWARD. A DD FORM 250 IS NOT REQUIRED  
FOR PHOSPHATE COATING PROCEDURE APPROVAL. CONTRACTOR FORMAT ACCEPTABLE.  
SHALL BE SUBMITTED ON AN IBM COMPATIBLE 3-1/2" DISKETTE IN RICH TEXT FORMAT  
(RTF) .

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APPROVED BY: SHELLEY SCHABILION, SDMO, AMSTA-AR-QAD

DATE: 1/02/2001

CONTRACT DATA REQUIREMENTS LIST

CATEGORY: MISC SYSTEM/ITEM: CLAMP BODY  
TO CONTRACT/PR: T21TADX2

- |                            |                                   |        |                   |                       |
|----------------------------|-----------------------------------|--------|-------------------|-----------------------|
| 1. SEQUENCE NUMBER         |                                   |        | 14. DISTRIBUTION  | DRFT/REG/REPRO COPIES |
| 2. TITLE OF DATA ITEM      |                                   |        |                   |                       |
| 3. SUBTITLE                |                                   |        |                   |                       |
| 4. DATA ITEM NUMBER        |                                   |        |                   |                       |
| 5. CONTRACT REFERENCE      |                                   |        |                   |                       |
| 6. TECHNICAL OFFICE        | 7. DD                             | 8. APP | 9. DIST STATEMENT |                       |
|                            | 250                               | CODE   | REQUIRED          |                       |
| 10. FREQUENCY              | 11. AS OF DATE                    |        |                   |                       |
| 12. DATE OF 1ST SUBMISSION | 13. DATE OF SUBSEQUENT SUBMISSION |        |                   |                       |

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- |                                  |        |           |                    |         |
|----------------------------------|--------|-----------|--------------------|---------|
| 1. A001                          |        |           | 14. AMSTA-AR-CCL-F | / /     |
| 2. CONFIGURATION CHANGE CONTROL* |        |           | (ECALS)            | / /     |
| 3. ENGINEERING ACTIONS           |        |           |                    |         |
| 4. DI-CMAN-81554                 |        |           |                    |         |
| 5. SECTION C                     |        |           |                    |         |
| 6. AMSTA-AR-CCL-F                | 7. NO  | 8.        | 9. **              |         |
| 10. ASREQ                        | 11. -- |           | 15. TOTAL          | 0/ 0/ 0 |
| 12. ASREQ                        |        | 13. ASREQ |                    |         |

16. REMARKS  
PREPARE ENGINEERING ACTIONS IAW DI-CMAN-81554 AND SUBMIT ELECTRONICALLY VIA  
ECALS WORLDWIDE WEB PAGE [HTTP://EDMD4.PICA.ARMY.MIL/](http://EDMD4.PICA.ARMY.MIL/).  
\*DATA INFORMATION PACKET \*\*DISTRIBUTION STATEMENT WILL BE ASSIGNED AND  
IMPLEMENTED BY THE DOD CONFIGURATION MANAGER.  
THE POC FOR ECALS IS LEE SADAUSKAS, AMSTA-AR-QAW, (973) 724-6626, EMAIL  
[LEES@PICA.ARMY.MIL](mailto:LEES@PICA.ARMY.MIL).

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APPROVED BY: SHELLEY SCHABILION, SDMO, AMSTA-AR-QAD DATE: 10/17/2000

# DAAE20-01-R-0107

## Price Evaluation Spreadsheet

**CLIN 0001**  
 NSN: 4710-01-371-7293  
 Tube, Structural

Range	Pricing Period 1		Pricing Period 2		Pricing Period 3	
	Unit Price	Wgt.	Unit Price	Wgt.	Unit Price	Wgt.
50 - 150		30%		30%		30%
151 - 500		60%		60%		60%
501 - 1000		10%		10%		10%

**CLIN 0002**  
 NSN: 4910-00-624-0552  
 Clamp, Towbar

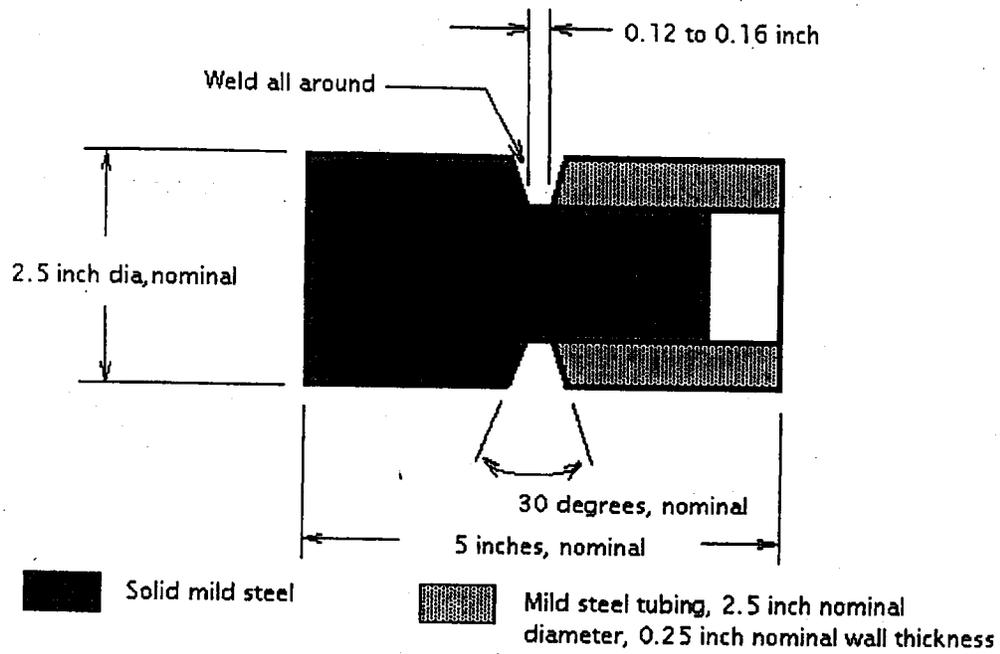
Range	Pricing Period 1		Pricing Period 2		Pricing Period 3	
	Unit Price	Wgt.	Unit Price	Wgt.	Unit Price	Wgt.
20 - 50		20%		20%		20%
51 - 100		70%		70%		70%
101 - 200		10%		10%		10%

**CLIN 0003**  
 NSN: 5120-00-624-0556  
 Clamp Assembly

Range	Pricing Period 1		Pricing Period 2		Pricing Period 3	
	Unit Price	Wgt.	Unit Price	Wgt.	Unit Price	Wgt.
20 - 50		20%		20%		20%
51 - 100		50%		50%		50%
101 - 200		30%		30%		30%

NOTE: The offeror shall fill in only the Unit Price blocks.

# WELD SAMPLE: CROSS-SECTIONED, POLISHED, ETCHED, AND LAQUERED



## DOCUMENT SUMMARY LIST

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Item: TOWBAR CLAMP CABLE ASSY, CLAMP, BODY, TUBE STRUCTURAL

NSN: 5120-00-624-0556, 4910-00-624-0552, 4710-01-371-7293

Control Number/PRON:

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Identifies all first tier documents (cited in SOW) (applicable DIDs). Also included are all referenced documents (2nd, (includes DID block 10 references), 3<sup>rd</sup> and lower tier) which have been tailored.

### DOCUMENT CATEGORY:

**CATEGORY 0** - Unless otherwise specified in the solicitation, contract, or contract modifications, all documents are for guidance and information only.

**CATEGORY 1** - The requirements contained in the directly cited document are contractually applicable to the extent specified. All referenced documents are for guidance and information only.

**CATEGORY 2** - The requirements contained in the directly cited document and the reference documents identified in the directly cited document are contractually applicable to the extent specified. All subsequently referenced documents are for guidance and information only.

**CATEGORY 3** - Unless otherwise specified in the solicitation, contract or contract modification, all requirements contained in the directly cited document and all reference and subsequently referenced documents are contractually applicable to the extent specified.

Document Number (Contract Reference) Applicable Tailoring	Document Title	Document Date/ Document Category
1a. MIL-STD-2549 Table DIP4-1	Configuration Management Data Interface	30 Jun 97 Cat 2
1b. DI-CMAN-81554 (seq A001)	Configuration Change Control Data Information Packet	30 Jun 97 Cat 2
2a. ANSI/ISO/ASQC Q9003 or equivalent	Quality Systems – Model for Quality Assurance in Final Inspection and Test	18 Jul 94
3a. MIL-DTL-16232G (TDPL)	Phosphate Coating Heavy Manganese or Zinc Base	07 Jan 00 Cat 2
3b. DI-NDTI-80603 (DD Form 1423)	Test Procedure	01 Jun 88 Cat 1

## Address List

Director

Armament and Chemical Acquisition, and Logistics Activity

ATTN: (See Block 14 of DD Form 1423 for symbols that apply)

Rock Island, IL 61299-8630

Director

U.S. Army, Armament, Research, Development & Engineering Center

ATTN: (See Block 14 of DD Form 1423 for symbols that apply)

Rock Island, IL 61299-7300

Commander

U.S. Army, Armament, Research, Development & Engineering Center

ATTN: (See Block 14 of DD Form 1423 for symbols that apply)

Picatinny Arsenal, NJ 07806-5000

## PART I - SECTION C - DESCRIPTION/SPECIFICATIONS

In addition to the Item Description, Drawing(s) and/or Specification(s) listed below, Preservation/Packaging/Packing and Inspection and Acceptance documents are contained elsewhere herein (Sections D & E respectively).

### PRODUCT ENGINEERING REQUIREMENTS

The following Item Description, Drawing(s) and/or Specification(s) represent minimum Government requirements and are applicable to this Procurement.

NSN: 4710-01-371-7293

PART NO.: 7551385

NOMENCLATURE: Leg Assembly, Movable

In accordance with the following Army Drawings: D7551385 Rev A dated 26 Oct 1994  
F7551063 Rev H dated 26 Oct 1994  
D7551060 Rev G dated 26 Oct 1994  
B7551380 dated 12 Nov 1992  
C11577275 Rev M dated 18 Oct 1996

Army Drawing 7551385, delete notes 2 and 3 and substitute:

#### "2. WELDING:

- A. GROOVE WELDS TO BE COMPLETELY FILLED WITH FULL PENETRATION, COMPLETE FUSION, AND A CONVEX, UNIFORM AND SMOOTH CONTOUR.
- B. VISUAL INSPECTION ACCEPTANCE CRITERIA SHALL BE IN ACCORDANCE WITH ANSI/AWS D1.1, TABLE 6.1.
- C. PREHEAT YOKE, LARGE, DRAWING 7551063 TO 400-500 DEGREES F. MAINTAIN TEMPERATURE UNTIL COMMENCING TO WELD.
- D. ADDITIONAL WELD WIRE IN ACCORDANCE WITH AWS 5.18 IS ALLOWED.
- E. THE CONTRACTOR SHALL SUBMIT WORKMANSHIP SPECIMENS AND WELD PROCEDURES TO TACOM-ARDEC, ATTN: AMSTA-AR-WEP-RB, ROCK ISLAND, IL 61299-7300 AND RECEIVE APPROVAL PRIOR TO INITIAL PRODUCTION.
  - (1) SPECIMENS MAY BE ACTUAL PARTS OR SAMPLES SIMULATING ALL WELDING CONDITIONS USING THE SUBMITTED WELDING PROCEDURES. SPECIMENS SHALL BE CROSS-SECTIONED, POLISHED, ETCHED, AND LACQUERED, EXPOSING EACH PASS. V-GROOVE, TWO PASS WELDS MAY USE THE SAME SPECIMEN WITH EACH PASS EXPOSED.
  - (2) WELD PROCEDURES MAY BE SUBMITTED IN ANSI/AWS D1.1 FORM E-1 OR IN ANY OTHER PRINTED FORMAT CONTAINING ALL WELDING PARAMETERS APPLICABLE TO THE ABOVE SPECIMENS.
  - (3) FOR CHANGES TO WELDING PARAMETERS THAT REQUIRE RESUBMISSION OF WORKMANSHIP SPECIMENS AND WELDING PROCEDURES, SEE ANSI/AWS D1.1, TABLE 4.5."

Army Drawing 7551385, change note 5 to read as follows:

"5. FINISH 5.1.1 PLUS 20.24 OF MIL-STD-171, COLOR 34094 OF FED-STD-595, APPLY AND TEST PER MIL-C-53072 AND QAP 11021251."

Army Drawing 7551385, change note 6 to read as follows:

"6. DO NOT PAINT INSIDE OF HOLES. OVERSPRAY IN HOLES IS PERMITTED. APPLY MIL-C-16173, GRADE 3 TO ALL UNPAINTED AREAS AFTER PAINT HAS CURED."

Army Drawing 7551063, change note 2 to read as follows:

"2. MATERIAL: STEEL, FORGING CMPSN 1335, 4140, 5135, OR 8637, PER MIL-S-46172, GRADE C.

A. MAGNETIC PARTICLE (MT): MAGNETIC PARTICLE INSPECT IN ACCORDANCE WITH ASTM E-1444; INDICATIONS UP TO 1/4 INCH LONG ARE ACCEPTABLE. MINIMUM SEPARATION 1/16 INCH. TOTAL NOT TO EXCEED (3) PER SQUARE INCH OF SURFACE AREA, AND ONLY INDICATIONS 1/16 INCH OR LONGER SHALL BE CONSIDERED.

B. ULTRASONIC QUALITY LEVEL (UT): FORGINGS SHALL MEET ULTRASONIC QUALITY CLASS AA OF MIL-STD-2154."

Army Drawing 7551063, change note 6A, magnetic particle inspection acceptance criteria to:

"A. MAGNETIC PARTICLE INSPECT IN ACCORDANCE WITH ASTM E-1444; INDICATIONS UP TO 1/4 INCH LONG ARE ACCEPTABLE, MINIMUM SEPARATION 1/16 INCH, TOTAL NOT TO EXCEED (3) PER SQUARE INCH OF SURFACE AREA, AND ONLY INDICATIONS 1/16 INCH OR LONGER SHALL BE CONSIDERED".

These items are components of the end item Towbar, Part Number 7551383, NSN 4910-01-365-9304.

Specifications and Standards referenced in the above cited applicable document(s) (drawings, parts lists, specifications) shall be the effective issue or revision in effect as listed in the Department of Defense Index of Specifications and Standards (DODISS) dated 1 JUL 2000.

PART I - SECTION C - DESCRIPTION/SPECIFICATIONS

**QUALITY ENGINEERING REQUIREMENTS (QER)**

The following Item, Description, and Documents are applicable to this procurement with the Addition and Exceptions noted:

ITEM: Leg Assembly, Movable

DESCRIPTION: As described in the Product Engineering Requirements, Part I- Section C- Description/Specifications, including all additions and exceptions.

APPLICABLE DOCUMENTS:

D7551385 Rev A dated 26 Oct 1994

F7551063 Rev H dated 26 Oct 1994

D7551060 Rev G dated 26 Oct 1994

B7551380 dated 12 Nov 92

C11577275 Rev M dated 18 Oct 1996

QAP 11021251

MIL-STD-1916

DOD Preferred Methods for Acceptance of Product

MIL-W-63150

Weapons and Support Materiel, Standard Quality Assurance Provisions for

ASTM E1444

Standard Practice for Magnetic Particle Examination

ADDITIONS AND EXCEPTIONS:

**1. Classification of characteristics.** There are three classes of characteristics covered. These are critical, major, and minor characteristics, as defined in MIL-STD-1916. See QAP for additional information.

**2. Workmanship.** The workmanship provisions of MIL-W-63150 and the QAP are applicable.

**3. Certification provisions.**

**3.1 Certified test reports (CTR).** If CTR is specified, the contractor shall make available to the Government a CTR for each lot of parts, assemblies, subsystems and systems by lot number prior to acceptance. This test report is in addition to, and not in lieu of, any rights of the Government under this contract or law. A CTR may be used as an element incident to, but shall not be used as the sole basis for, Government acceptance of the contract item(s) unless so indicated in the technical documentation or contract. As a minimum, the report shall contain the following:

- a. Name of company and date.
  - b. Contract number or purchase order number, national stock number and drawing number.
  - c. Complete nomenclature of supplies together with lot number or other identification. The quantity in each lot or shipment shall be given.
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PART I - SECTION C - DESCRIPTION/SPECIFICATIONS

**QUALITY ENGINEERING REQUIREMENTS (QER) (cont'd)**

- d. All inspections and tests required by contract (i.e., material, processes, performance, functional, etc.) shall be recorded in test reports. These reports shall identify each lot submitted for acceptance by lot number, the specification or drawing, revision and date, grade or type as applicable, number of specimens tested, specified characteristics and requirements, and actual results obtained.
- e. Reports of the raw material producer's chemical, mechanical, and physical analysis.
- f. A statement, as follows, certifying that material meets all requirements of the contract:

“The undersigned, individually, and as the authorized representative of the contractor, warrants and represents that: All the information supplied above is true and accurate; the material covered by this certificate conforms to all contract requirements (including but not limited to the drawings and specifications); the inspection and test results, and the analysis appearing herein are true and accurate; and this certificate is made for the purpose of inducing payment and with knowledge that the information and certification may be used as a basis for payment.”

- g. Signature and title of certifying official.

**3.2 Certificate of conformance (COC).** When COC is specified, A certificate of conformance is required for Military Standard and commercial items, supported by inspection and test data, material analysis, or certification from the raw material producer or processor, and shall be made available to the Government for specifications covering raw material, processed material, and processes. The contractor shall make the COC available to the Government prior to or with the request to perform acceptance inspection approval by the Government. This is in addition to, and not in lieu of, any rights of the Government under this contract or law. A COC may be used as an element incident to, but shall not be used as the sole basis for, Government acceptance of contract item(s) unless so indicated in the technical documentation or contract. As a minimum, the COC shall contain the following:

- a. Name of company and date.
- b. Contract number or purchase order number, national stock number and drawing number.
- c. Complete nomenclature of supplies together with lot number or other identification. The quantity in each lot or shipment shall be given.
- d. A statement certifying that material meets all requirements of the contract. The contractor shall furnish, to the cognizant engineering activity, a proposed statement for approval.

**4. First article.**

**4.1 Submission.** When specified in the contract, a first article sample consisting of five items shall be submitted for inspection and approval. The sample items will be subjected to any, or all, of the examinations and tests specified the contract, QAP, or this QER. They may be inspected for compliance with any, or all, of the requirements including the applicable drawing(s) and specification(s). The certification requirements apply.

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PART I - SECTION C - DESCRIPTION/SPECIFICATIONS

**QUALITY ENGINEERING REQUIREMENTS (QER) (cont'd)**

**4.2 Rejection.** If any sample item fails to comply with any of the applicable requirements, the first article sample shall be rejected. The Government reserves the right to terminate inspection upon any failure to comply with any of the requirements.

**5. Verification.** Verification inspection shall consist of inspection of all conformance characteristics contained in "Inspection Requirements" and "Certification Requirements" of this QER and the QAP. Failure to comply with the conformance criteria shall be cause for rejection of the lot or quantity represented by the sample. All other quality characteristics not specifically listed herein are subject to control under the contractor's quality program or inspection system.

**5.1 Lot formation.** Inspection lots shall comply with the lot requirements of MIL-STD-1916, paragraph 4.2.

**5.2 Attributes sampling inspection.** The provisions/procedures of MIL-STD-1916 are applicable to this QER and the QAP. Unless otherwise specified, attributes sampling for the conformance characteristics listed herein shall be IAW MIL-STD-1916, Table II, using the verification level cited in the conformance criteria columns of Part III. The procedure in MIL-STD-1916 for normal inspection shall be used at the start of production for current or previous suppliers of the item. For all new suppliers of the item, tightened inspection shall be used at the start of production and be continued until the criteria for normal inspection are met.

**5.3 Alternative verification provisions.** Unless otherwise specified, alternative verification provisions such as statistical process control (SPC) (preferred), variables sampling plans, or continuous sampling plans may be used by the contractor in lieu of the inspection provisions contained herein only when such alternative(s) provide an equivalent or better level of quality, and provided they have been described in a written proposal which has been approved by the Government.

**5.4 Inspection equipment.** Unless otherwise specified herein or in the contract, all inspection equipment required to perform the examinations and tests in this QER and the QAP shall be designed, documented and maintained by the contractor, including any fixtures necessary to accommodate the test procedures. Inspection equipment shall incorporate the appropriate measurement capability, precision and accuracy to assure rejection of all non-conforming product.

**5.5 Components and assemblies.** All components shall conform to the drawings for those components prior to installation into an assembly.

**6. Certification requirements.** The certification provisions of MIL-W-63150 paragraph 1.3 for Certified Test Reports (CTRs) and Certificates of Conformance (COCs) and the provisions of the QAP shall apply. CTRs and COCs are required for the material and workmanship.

**7. Test methods and procedures.**

**7.1 Magnetic particle inspection.** This test shall be conducted in accordance with ASTM E1444. (This is additional to the test methods and procedures specified in the QAP.)

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## PART I - SECTION C - DESCRIPTION/SPECIFICATIONS

In addition to the Item Description, Drawing(s) and/or Specification(s) listed below, Preservation/Packaging/Packing and Inspection and Acceptance documents are contained elsewhere herein (Sections D & E respectively).

### PRODUCT ENGINEERING REQUIREMENTS

The following Item Description, Drawing(s) and/or Specification(s) represent minimum Government requirements and are applicable to this Procurement.

NSN: 4910-00-624-0552

NOMEN: Clamp, Body

In accordance with Army Drawing F7551069 Rev H dated 12 Nov 1992 with the following exception:

In Zone F8, note 2A, the last sentence, delete "Test IAW MIL-STD-1949" and replace with "Test in accordance with ASTM E1444."

The Clamp, Body is a component of the end item, Towbar, Motor Vehicle NSN: 4910-01-365-9304.

Specifications and Standards referenced in the above cited applicable documents, drawings, parts lists, specifications shall be the effective issue or revision in effect as listed in the Department of Defense Index of Specifications and Standards (DODISS) dated 1 July 1999 and the supplement dated 1 Jan 2000

PART I - SECTION C - DESCRIPTION/SPECIFICATIONS

QUALITY ENGINEERING REQUIREMENTS

The following Item, Description, and Documents are applicable to this procurement with the Additions and Exceptions noted:

ITEM: CLAMP, BODY

DESCRIPTION: As described in the Production Engineering Requirements, Part I – Section C- Description/Specifications, including all additions and exceptions.

APPLICABLE DOCUMENTS:

Army Drawings: D7551069 Rev H dated 12 Nov 1992

QAP7551069 Rev B dated 12 Nov 1992

QAP11021251 dated 12 Nov 1992

ADDITIONS AND EXCEPTIONS:

1. The production items shall be inspected to determine compliance with the above Description and Applicable Documents.

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## PART I - SECTION C - DESCRIPTION/SPECIFICATIONS

In addition to the Item Description, Drawing(s) and/or Specification(s) listed below, Preservation/Packaging/Packing and Inspection and Acceptance documents are contained elsewhere herein (Sections D & E respectively).

### PRODUCT ENGINEERING REQUIREMENTS

The following Item Description, Drawing(s) and/or Specification(s) represent minimum Government requirements and are applicable to this Procurement.

NSN: 5120-00-624-0556

NOMEN: Clamp Assembly, Towbar

In accordance with the following Army Drawings: D7551068 Rev E dated 12 Nov 1992  
F7551069 Rev H dated 12 Nov 1992  
F7551070 Rev F dated 12 Nov 1992  
D7551073 Rev J dated 26 Oct 1994  
C11577275 Rev M dated 18 Oct 1996

On Army Drawing 7551069 Rev H dated 12 Nov 92 delete notes 2A, and 8, and substitute:

Note 2A. Magnetic Particle (MT) Magnetic Particle inspect in accordance with ASTM E 1444; Indications up to ¼ inch long are acceptable, minimum separation 1/16 inch, total not to exceed (3) per square inch of surface area, and only indications 1/16 inch or longer shall be considered.

Note 8. Do not paint inside of holes. Overspray in holes is permitted. Apply MIL-PRF-16173, grade 3 to all unpainted areas after paint has cured.

On Army Drawing 7551073 Rev J dated 26 Oct 94 delete notes 2 and 6A and substitute

Note 2. Material: Steel, forging cmpsn 1335, 4140, 5135, or 8637, per MIL-S-46172, grade C

A. Magnetic Particle (MT): Magnetic particle inspect in accordance with ASTM E 1444; Indications up to ¼ inch long are acceptable, minimum separation 1/16 inch, total not to exceed (3) per square inch of surface area, and only indications 1/16 inch or longer shall be considered.

B. Ultrasonic quality level (UT): Forgings shall meet ultrasonic quality class AA of MIL-STD-2154.

Note 6A. Magnetic Particle (MT): Magnetic Particle inspect in accordance with ASTM E 1444; Indications up to ¼ inch long are acceptable, minimum separation 1/16 inch, total not to exceed (3) per square inch of surface area, and only indications 1/16 inch or longer shall be considered

The Clamp, Assembly, is a component of the end item, Towbar, Motor Vehicle NSN: 4910-01-365-9304.

Specifications and Standards referenced in the above cited applicable documents, drawings, parts lists, specifications shall be the effective issue or revision in effect as listed in the Department of Defense Index of Specifications and Standards (DODISS) dated 1 July 2000 and the supplement dated 1 Sep 2000

**PART I - SECTION C - DESCRIPTION/SPECIFICATIONS**

**QUALITY ENGINEERING REQUIREMENTS**

The following Item, Description, and Documents are applicable to this procurement with the Additions and Exceptions noted:

**ITEM: CLAMP ASSEMBLY, TOWBAR**

**DESCRIPTION: As described in the Production Engineering Requirements, Part I – Section C-Description/Specifications, including all additions and exceptions.**

**APPLICABLE DOCUMENTS:**

Army Drawings: D7551068 Rev E dated 12 Nov 1992  
F7551069 Rev H dated 12 Nov 1992  
F7551070 Rev F dated 12 Nov 1992  
D7551073 Rev J dated 26 Oct 1994  
C11577275 Rev M dated 18 Oct 1996  
QAP7551068 Rev B dated 03 Apr 1990  
QAP7551069 Rev B dated 12 Nov 1992  
QAP7551070 Rev B dated 12 Nov 1992  
QAP7551071 Rev C dated 03 Apr 1990  
QAP7551073 Rev C dated 12 Nov 1992

**ADDITIONS AND EXCEPTIONS:**

1. The production items shall be inspected to determine compliance with the above Description and Applicable Documents.

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**PART 1 SECTION D  
PACKAGING**

NSN: 4710-01-371-7293, 5120-00-624-0556, 4910-00-624-0552

PART NO.: 7551385, 7551068, 7551069

NOMEN: Leg Assembly, Movable; Clamp Assembly; Clamp Body

Preservation/Packaging/Packing shall be commercial in accordance with ASTM-D-3951. The unit package quantity shall be one each.

**Additional Requirements:**

If oak or chestnut wood products are used in the performance of this contract, these wood or wood products must be free of all bark.

Workmanship shall be such that when proper procedure is followed, materials and equipment being processed will be provided the maximum protection against corrosion, deterioration and be suitable for storage to the level of packaging specified.

Unless otherwise specified herein, shipments to the same destination of identical items having a total packaged displacement exceeding 50 cubic feet shall be palletized unless forklift-handling features such as skids are included on containers.

**Marking Requirements:**

Container markings shall be in capital letters of equal height, shall be proportionate to the available marking space, and shall contain the following information:

Unit packs and intermediate containers shall contain the following information in the order listed:

- a. NSN/NATO stock number.
- b. CAGE code of the company awarded the contract and part number of the item as specified in the contract.
- c. Quantity and unit of issue 1 EA.
- d. Level of protection and date packed.
- e. Contract or purchase order number.

Markings on the shipping container shall be grouped into three distinct categories, identification markings, contract data markings, and address markings.

PART I SECTION D (CONTINUED)  
PACKAGING

NSN: 4710-01-371-7293, 5120-00-624-0556, 4910-00-624-0552  
PART NO.: 7551385, 7551068, 7551069  
NOMEN: Leg Assembly, Movable; Clamp Assembly; Clamp Body

**Identification Markings:**

- a. NSN/NATO stock number.
- b. CAGE code of the company awarded the contract and part number of the item as specified in the contract.
- c. Quantity and unit of issue.
- d. Level of protection and date packed.
- e. Gross weight and cube.
- f. Item description or nomenclature.

**Contract Data Marking:**

The contract data marking, placed under the identification markings, shall consist of the contract or purchase order number.

**Address Markings:**

The address markings, placed to the right of the identification and contract data markings (if space is available) shall consist of the following information in the order shown.

- a. Control number or reference number (as a minimum, the Transportation Control Number (TCN) shall be provided as the single standard shipment identification number).
- b. FROM MILITARY: Name and address of consignor (DOD Activity Address Code (DODAAC) and in the clear address if applicable.  
FROM CONTRACTOR: Name and address of the contractor (including nine-digit zip code.  
When supplies are shipped from a subcontractor, only the name and address of the company awarded the contract shall be used
- c. TO: Name and address of consignee (DOD Activity Address Code (DODAAC) and in the clear address if applicable.
- d. Piece number and total pieces (if more than one shipping container is used for the order).

In addition to the above information, the NSN/NATO stock number shall be bar coded on the unit packs and intermediate containers. The following shall be bar coded on the shipping container. All bar coding shall use the 3 of 9 format in accordance with ANSI MH10.8M.

- a. NSN/NATO stock number.
- b. Contract or order number.
- c. CAGE code of the company awarded the contract.
- d. Contract Line Item Number (CLIN) if applicable.