

*** QUALITY ASSURANCE PROVISIONS**

C-321: SPECIFICATIONS:

NSN: 1560-00-571-8138 P/N: (26512) 123CSM10149-28

NOMENCLATURE: Fitting Assembly

Articles to be furnished hereunder shall be manufactured, tested and inspected in accordance with drawing number (26512) 123CSM10149-28 REV. "LATEST" and all details and specifications referenced therein.

I. QUALITY/INSPECTION REQUIREMENTS

- A. MIL-I-45208 applies:**
- B. First Article Testing applies:**
- C. Production Lot Testing applies:**
- D. Mandatory Inspection applies:**

II. SUPPLEMENTAL REQUIREMENTS

- A. Additionally, para. 3.1, 3.5, 5.1, 5.2, 6.1, 6.2 of MIL-Q-9858 apply.**
- B. The contractor shall identify on the detailed process / operation sheets developed, a tracking method that is traceable to the contract, all in-house manufacturing processes, and the identity of all manufacturing sources performing process/operations outside of their facilities. These sheets shall not be revised or altered after the successful completion of FIRST ARTICLE OR PRODUCTION LOT TESTING without the approval from the Engineering Support Activity (ESA) via the P.C.O..**
- C. The inspection method sheets, which list the characteristics of each item produced under the contract shall have serial number trace ability to the raw material, casting, or forgings. The tracking method used on the inspection/method sheets shall be traceable to the contract. In addition, the contractor is responsible for providing completed inspection method sheets showing the actual dimensions taken of all critical characteristics.**
- D. Markings should be I/A/W MIL-STD-130 REV ."J" para. 5.3.3(a),(b),(c),(g). Method and location shall be I/A/W the drawing.**
- E. If the contractor is the successful offer or a Pre-Award survey shall be required.**

III. MANDATORY INSPECTION REQUIREMENTS:

During production, mandatory inspection is required to be accomplished by the contractor as follows:

A. LEVEL OF INSPECTION (L.O.I.)

- 1) Critical Characteristics: 100% inspection applies
- 2) Major and Minor Characteristics: L.O.I. shall be I/A/W a sampling plan acceptable to the Q.A.R..

B. CRITICAL CHARACTERISTICS FOR:

P/N: (26512) 123CSM10149-28
**C BORE .7493 .7495 DIA. X .010 -.020
FILLET RAD.X .281 -286 DEEP
C" SINK 90 .781 DIA
1235CAM107-1 (PRESS FIT)

C. MAJOR AND MINOR CHARACTERISTICS:

- 1) Shall be defined by the contractor subject to Q.A.R. concurrence, unless defined on applicable drawings and associated specifications.

IV. Unless expressly provided for elsewhere in this clause, equipment such as **FIXTURES, JIGS, DIES, PATTERNS, TEMPLATES, MYLARS, SPECIAL TOOLING, TEST EQUIPMENT**, or any other manufacturing aid required for the manufacture and/or testing of the subject item will not be provided by the government or any other source and is the sole responsibility of the contractor. The foregoing applies notwithstanding any reference to such equipment or the furnishing thereof that may be contained in any drawing or referenced specification.

(2)

I-961 FIRST ARTICLE TEST REQUIRED (GOVERNMENT TESTING)

I. First Article Inspection/Test Criteria:

The tests to be performed under the contract approval clause of the contract are:

- A. Dimensional Check 100%
- B. Form/Fit
- C. Compliance with drawing, (26512) 123CSM10149-28 REV."LATEST ", and associated drawings, latest revisions, and specifications referenced therein.
- D. Review documentation as provided under DD 1423 requirements.

In addition to the above tests, the First Articles that are to be delivered hereunder shall also be subjected to those tests that will demonstrate that the articles comply with contract requirements.

The contractor shall be responsible for providing necessary parts and repair of the First Article Samples during testing.

II. Samples to be submitted for testing: Quantity: Two (2)

- A. Estimated cost: TBD
- B. Waiver of First Article Testing Requirements May be Granted for NORTHROP GRUMMAN, (26512)

III. Testing shall be performed at the Government Designated facility listed below

NAVAL AVIATION DEPOT
ATTN: MRS. DEBBIE RODR
CODE 93001, BLDG. 341
NAS NORTH ISLAND
SAN DIEGO, CA 92135-7058
PHONE (619)545-3828

(3)

IV. Special Instructions:

- A. Samples may be considered as production items under the contract provided that the samples can be refurbished to ready for issue (**RFI**) condition and provide the samples have inspection approval of the cognizant **Q.A.R.**

Samples may be shipped as production items only after all other units required under the contract have been produced and are ready for shipment.

B. Samples will be returned to the contractor, if not destroyed in testing.

C. Samples are to be unpainted per drawing. Corrosive areas are to be coated with a light preservative.

D. Estimated Production Lead-time Schedule:

1. Submission of the First Article samples by the contractor 180 days.
2. Analysis of report and notification to contractor 45 days.
3. Production delivery after First Article acceptance 90 days.
4. Total accumulated calendar days 315 days

NOTIFICATION OF SHIPMENT OF MATERIAL FOR GOVERNMENT TESTING

Fourteen (14) days prior to shipment of First Article Samples, the contractor shall notify the designated test facility, in writing of the anticipated shipping date, with an information copy to the P.C.O.. The contractor shall also arrange for preliminary inspection of test samples by the CAO/QAR.

Upon shipment of First Article Samples, two (2) copies of the Material Inspection and Receiving Report (DD Form 250), bearing the Q.A.R.'s signature and indication of preliminary inspection, shall be forwarded to the designated test facility. The envelopes shall be clearly marked. "**DO NOT OPEN IN MAILROOM**".

Within 105 days after receipt of the samples, the test site shall complete testing/evaluation and submit two (2) copies of their test report with conclusions and recommendations to the P.C.O..

PRODUCTION LOT TESTING REQUIREMENTS (CONTRACTOR TESTING)

P/N: (26512) 123CSM10149-28

NSN: 1560-00-571-8138

NOMEN: FITTING ASSEMBLY

CRITICALITY : CAI

DATE OF DETERMINATION: 09/01/2004

The Production Lot Test shall be performed at the contractor's facility and be witnessed and accepted by the DCMA QAR. A written test report shall be forwarded to the PCO IAW DD1423 requirements.

The material produced under contract shall be accepted by the cognizant ACO/QAR contingent upon the successful completion of these requirements.

I. Production Lot Test Sampling Requirements

The tests to be performed under the Production Lot approval clause of the contract are:

A. The cognizant CAO/QAR shall select the applicable number of items at random from the production lot per the ANSI/ASQC Z1.4 Sampling Procedures and Tables for Inspection by Attributes. In addition the QAR shall select the applicable number of items at random from each successive lot or portion thereof per the ANSI/ASQC Z1.4 Sampling Procedures and Tables for Inspection by Attributes.

B. Production Lot Testing to be completed during production after First Article approval.

II. The tests to be performed under the Production Lot Sample testing provisions of the contract are:

A. Compliance with drawing (26512) 123CSM10149-28 Rev. Latest and specifications referenced therein.

B. Dimensional Check

C. Review of documentation as provided under CDRL (DD1423) requirements.

In addition to the above tests, the Production Lot Sample(s) to be inspected hereunder shall also be subjected to those tests, which will demonstrate that the sample(s) comply with contract requirements.

III. Testing Location, Cost and Estimated Lead-Time

A. All testing to be accomplished at contractor's facility.

Within fifteen days of completion of Production Lot Testing, the CAO/QAR shall prepare and submit two copies of their test report with conclusions and recommendations to the **DSCR-VGC or NAVICP 073**, the Basic Design Engineer, and the ACO.

IV. Notification of Testing

The contractor shall notify the PCO, ACO and QAR prior to conducting Production Lot Tests so that the Government may witness such testing.

V. Inspection of Samples

A. Upon inspection of Production Lot Sample(s), two (2) copies of the Material Inspection and Receiving (DD Form 250), bearing the QAR's signature and indication of preliminary inspection, shall be forwarded to DSCP-VGC with duplicate copies to NADEP North Island, Attn: MS Debbie Rodr, Code: 93001. The envelope shall be clearly marked. "DO NOT OPEN IN MAILROOM".

B. Sample(s) may be considered as production items under the contract provided the sample(s) can be refurbished to Ready for Issue condition and provided the sample(s) have inspection approval of the cognizant CAO/QAR. Sample(s) may be shipped as production items only after all other units required under the contract have been produced and are ready for shipment.

PRODUCTION LOT APPROVAL (CONTRACTOR TESTING)

P/N: (26512) 123CSM10149-28

NSN: 1560-00-571-8138

NOMEN: Fitting Assembly

CRITICALITY : CAI

DATE OF DETERMINATION: 09/01/2004

A. The Production Lot Samples shall be selected at random by the cognizant government inspector. The samples shall be identified by contract number, lot number and be clearly marked as follows:

**PRODUCTION LOT TEST SAMPLES
NOT RFI MATERIAL
DO NOT TAKE UP IN STOCK**

B. Such samples shall be tested in sufficient time prior to the delivery date of the production articles to allow a 10 day period for testing and written notification by the contracting officer of the approval or disapproval of the samples. Within 15 days of the receipt of the samples, the CAO shall notify the contracting officer, DSCP-VGC, of the results of the testing, together with a recommendation for approval or disapproval.

C. In the event the contractor does not receive written notification of approval or disapproval of the samples for a particular production lot within 25 days from their submission for testing, the contract delivery schedule shall be equitably adjusted as necessary.

D. If the contractor fails to deliver any Production Lot Samples for testing within the time or times specified, or if the contracting officer disapproves any Production Lot Samples, the contractor shall be deemed to have failed to make delivery within the meaning of the default clause of this contract, and this contract shall be subject to termination for default.

E. In order for a Production Lot to be acceptable, all samples representative of the lot must pass all the contract requirements. In the event a sample fails to pass such requirements, the lot will be rejected. In such event, the government may, at its option and at no additional cost to the government: 1) terminate all or any portion of this contract for default; 2) require the manufacture of a new Production Lot, or a rework of the rejected Production Lot if the means and procedures proposed by the contractor for rework are acceptable to the Government, or; 3) require the submission of additional samples for test. The foregoing procedures shall apply to new or reworked production lots in the same way as they did to the original Production Lot.

F. For each additional sample or each resubmission of a modified sample which the contractor is required to submit for approval hereunder as a result of a failure of a previous sample to conform to the requirements of the specification, the contractor shall pay to the government the costs of re-inspection, examination and retesting and the contractor and his sureties (if any) shall be liable for the amount of such costs.

G. Nothing contained in the foregoing provisions of this clause, and no action of the Government in accordance herewith, shall in any way prejudice the right of the Government under the clause of this contract entitled Default.

The public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP <input type="checkbox"/> TM <input type="checkbox"/> OTHER <input type="checkbox"/>
D. SYSTEM/ITEM 9G 1560-00-571-8138	E. CONTRACT/PR NO.	F. CONTRACTOR

1. DATA ITEM NO. 0001	2. TITLE OF DATA ITEM CERTIFICATION DATA REPORT	3. SUBTITLE COMPLETED PROCESS/OPERATION SHEETS
--------------------------	--	---

4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80678	5. CONTRACT REFERENCE C-321 SPECIFICATION	6. REQUIRING OFFICE DSCR
---	--	-----------------------------

7. DD250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQUIRED	12. DATE OF FIRST SUBMISSION SEE BLK. 16*	14. DISTRIBUTION	
8. ADP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION SEE BLK. 16**/***		

16. REMARKS * AT TIME OF COMPLETION OF FIRST ARTICEL TESTING ** UPON SUBMISSION OF PRODUCTION LOT SAMPLES *** IF THE PROCESS OPERATIONS CHANGE AFTER APPROVAL OF FIRST PRODUCTION LOTTESTING/PRODUCTION LOT SAMPLES						
	CAO/QAR	*/***	1/0			
	DSCP/PCO	*/***	1/0			
	NADEP	*/***	1/0			
	15. TOTAL		3/0			

1. DATA ITEM NO. 0002	2. TITLE OF DATA ITEM CERTIFICATION DATA REPORT	3. SUBTITLE COMPLETED INSPECTION METHOD SHEETS
--------------------------	--	---

4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80678	5. CONTRACT REFERENCE C-321 SPECIFICATION	6. REQUIRING OFFICE DSCR
---	--	-----------------------------

7. DD 250 REQ LT	9. DEST STATEMET REQUIRED	10. FREQUENCY AS REQUIRED	12. DATE OF FIRST SUBMISSION SEE BLK. 16*	14 DISTRIBUTION	
8. ADP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION SEE BLK. 16**		

16. REMARKS * AT TIME OF COMPLETION OF FIRST ARTICLE TESTING ** UPON SUBMISSION OF PRODUCTION LOT SAMPLES AND AT TIME OF CONTRACT COMPLETION, CONTRACTOR SHALL RETAIN 100% OF CONTRACT QUANTITY RECORDS FOR SEVEN YEARS.						
	CAO/QAR	*/**	1/0			
	DSCP/PCO	**	1/0			
	NADEP	**	1/0			
	15. TOTAL		3/0			

G. PREPARED BY RICHARD E. SCHWAIGER	H. DATE 10/07/04	I. APPROVED BY RICHARD E. SCHWAIGER	J. DATE 10/07/04
--	---------------------	--	---------------------

CONTRACT DATA REQUIREMENTS LIST (2 Data Items)	Form Approved OMB No. 0704-0188
--	--

The public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP <input type="checkbox"/> TM <input type="checkbox"/> OTHER <input type="checkbox"/>
D. SYSTEM/ITEM 9G 1560-00-571-8138	E. CONTRACT/PR NO.	F. CONTRACTOR

1. DATA ITEM NO. 0003	2. TITLE OF DATA ITEM REQUEST FOR DEVIATION	3. SUBTITLE
--------------------------	--	-------------

4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80640	5. CONTRACT REFERENCE	6. REQUIRING OFFICE DSCR
---	-----------------------	-----------------------------

7. DD250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQUIRED	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION			
8. ADP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION				a. ADDRESSEE

16. REMARKS ORIGINAL	DSCP/PCO	Draft	Final Reg	1/0	Repro
15. TOTAL				1/0	

1. DATA ITEM NO. 0004	2. TITLE OF DATA ITEM REQUEST FOR WAIVER	3. SUBTITLE
--------------------------	---	-------------

4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80641	5. CONTRACT REFERENCE	6. REQUIRING OFFICE DSCR
---	-----------------------	-----------------------------

7. DD 250 REQ LT	9. DEST STATEMENT REQUIRED	10. FREQUENCY AS REQUIRED	12. DATE OF FIRST SUBMISSION	14 DISTRIBUTION			
8. ADP CODE		11AS OF DATE	13DATE OF SUBSEQUENT SUBMISSION				a. ADDRESSEE

16. REMARKS ORIGINAL	NAVICP/02	Draft	Final Reg	1/0	Repro
15. TOTAL				1/0	

G. PREPARED BY RICHARD E. SCHWAIGER	H. DATE 10/07/04	I. APPROVED BY RICHARD E. SCHWAIGER	J. DATE 11/19/02
--	---------------------	--	---------------------

