

QUALITY ASSURANCE PROVISIONS

NSN: 1615-01-158-9608

P/N: (78286) 70105-28030-101

NOMEN: CENTERING RING SPINDLE ASSEMBLY

Articles to be furnished hereunder shall be manufactured, tested and inspected in accordance with drawing number (78286) 70105-28030-101 Rev. "B", or latest revision and all details and specifications referenced therein.

1. Forging P/N: (78286) 70105-28030-001 shall be procured from Sikorsky approved source.

II. Quality/Inspection Requirements

- A. MIL-I-45208 or ISO 9000 equivalent applies:
- B. First Article Testing applies:
- C. Mandatory Inspection applies:
- D. A pre-award site survey will be required and conducted by the cognizant DCMAO

III. Supplemental Requirements

A. Additionally, para. 3.1-3.5, 5.1-5.2, 6.1-6.2 of MIL-Q-9858 or ISO 9000 equivalent apply.

B. The contractor shall include 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 their facilities. These sheets shall not be revised or altered after the successful completion of First Article and/or Production Lot Testing without approval from the Engineering Support Activity (ESA), via the PCO.

C. The Inspection Method Sheets, which list the characteristics of each item, produced under the contract shall have serial number traceability to the raw material, casting, or forging. 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 in accordance with MIL-STD-130 Rev. "K" paragraph 5.3.3(a), (b),(c), and (g). Method and location shall be in accordance with the drawing.

III. Mandatory Inspection Requirements

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

A. Level of Inspection (LOI):

- (1) Critical Characteristics: 100% inspection shall apply.
- (2) Major and Minor Characteristics - LOI shall be in accordance with a sampling plan acceptable to the QAR.

B. Critical Characteristics:

- (1) Section 5C, 3.8112/3.811, spherical radius, 16 Finish.
(Typical) Position D and E within, .010 DIA.
- (2) Section 6D, 6.307/6.306 DIA.
- (3) Section 6E, Datum -E-, perpendicular too D within .001

C. Major and Minor Characteristics:

- 1) Shall be defined by the contractor subject to QAR 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, Mylar's, special tooling, test equipment, or any other manufacturing aid required for the manufacture and/or testing of the subject items will not be provided by the Government or any other source and is the sole responsibility of 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.

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. 1615-01-158-9608	B. EXHIBIT	C. CATEGORY: TDP <input type="checkbox"/> TM <input type="checkbox"/> OTHER <input type="checkbox"/>
D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR

1. DATA ITEM NO. 1	2. TITLE OF DATA ITEM CERTIFICATION DATA REPORT	3. SUBTITLE COMPLETE PROCESS OPERATION SHEETS	17. PRICE GROUP
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4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80678/T1	5. CONTRACT REFERENCE	6. REQUIRING OFFICE DEFENSE SUPPLY CENTER RICHMOND	18. ESTIMATED TOTAL PRICE
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7. DD250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQ.	12. DATE OF FIRST SUBMISSION SEE BLOCK # 16	14. DISTRIBUTION	
8. ADP CODE A		11. AS OF DATE AS REQ.	13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK # 16	a. ADDRESSEE	b. COPIES

16. REMARKS PARA. 10.1,10.2,10.2.1,10.2.2,10.2.4,10.5 *UPON SUBMISSION OF FIRST ARTICLE/PRODUCTION LOT TEST SAMPLE (S) ** IF PROCESS OPERATION SHEETS CHANGE AFTER SUCCESSFUL COMPLETION OF FAT/PLT				DCMC/ACO	1/0	
				DCMC/QAR	1/0	
				PCO	1/0	
				15. TOTAL	3/0	

1. DATA ITEM NO. 2	2. TITLE OF DATA ITEM CERTIFICATION DATA REPORT	3. SUBTITLE COMPLETE INSPECTION METHOD SHEETS	17. PRICE GROUP
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4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80678/T2	5. CONTRACT REFERENCE	6. REQUIRING OFFICE DEFENSE SUPPLY CENTER RICHMOND	18. ESTIMATED TOTAL PRICE
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7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQ.	12. DATE OF FIRST SUBMISSION SEE BLOCK # 16	14. DISTRIBUTION	
8. ADP CODE A		11. AS OF DATE AS REQ.	13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK # 16	a. ADDRESSEE	b. COPIES

16. REMARKS PARA. 10.1,10.2,10.2.1,10.2.2,10.2.4,10.5 *UPON SUBMISSION OF FIRST ARTICLE/PRODUCTION LOT TEST SAMPLE (S) ** AT TIME OF CONTRACT COMPLETION				DCMC/ACO	1/0	
				DCMC/QAR	1/0	
				PCO	1/0	
				15. TOTAL	3/0	

G. PREPARED BY NAVICP-P	H. DATE 5-FEB-03	I. APPROVED BY NAVICP-P	J. DATE 5-FEB-03
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CONTRACT DATA REQUIREMENTS LIST

(2 Data Items)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.				B. EXHIBIT		C. CATEGORY: TDP <input type="checkbox"/> TM <input type="checkbox"/> OTHER <input type="checkbox"/>														
D. SYSTEM/ITEM 1615-01-158-9608				E. CONTRACT/PR NO.		F. CONTRACTOR														
1. DATA ITEM NO. 3		2. TITLE OF DATA ITEM REQUEST FOR WAIVER				3. SUBTITLE			17. PRICE GROUP											
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80640C				5. CONTRACT REFERENCE		6. REQUIRING OFFICE DEFENSE SUPPLY CENTER RICHMOND			18. ESTIMATED TOTAL PRICE											
7. DD250 REQ LT		9. DIST STATEMENT REQUIRED		10. FREQUENCY AS REQ.		12. DATE OF FIRST SUBMISSION SEE BLOCK #16		14. DISTRIBUTION												
8. ADP CODE A				11. AS OF DATE AS REQ.		13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK #16		<table border="1"> <tr> <td rowspan="2">a. ADDRESSEE</td> <td colspan="3">b. COPIES</td> </tr> <tr> <td rowspan="2">Draft</td> <td colspan="2">Final</td> </tr> <tr> <td></td> <td>Reg</td> <td>Repr</td> <td>o</td> </tr> </table>		a. ADDRESSEE	b. COPIES			Draft	Final			Reg	Repr	o
a. ADDRESSEE	b. COPIES																			
	Draft	Final																		
		Reg	Repr	o																
16. REMARKS						DCMC/ACO		1/0												
						DCMC/QAR		1/0												
						PCO		1/0												
						NAVICP-P		1/0												
						15. TOTAL		4/0												
1. DATA ITEM NO. 4		2. TITLE OF DATA ITEM REQUEST FOR DEVIATION				3. SUBTITLE			17. PRICE GROUP											
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80640C				5. CONTRACT REFERENCE		6. REQUIRING OFFICE DEFENSE SUPPLY CENTER RICHMOND			18. ESTIMATED TOTAL PRICE											
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED		10. FREQUENCY AS REQ.		12. DATE OF FIRST SUBMISSION SEE BLOCK #16		14. DISTRIBUTION												
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		Reg	Repr	o																
16. REMARKS						DCMC/ACO		1/0												
						DCMC/QAR		1/0												
						PCO		1/0												
						NAVICP-P		1/0												
						15. TOTAL		4/0												
G. PREPARED BY NAVICP-P			H. DATE 5-FEB-03		I. APPROVED BY NAVICP-P		J. DATE 5-FEB-03													

Public reporting burden for this collection of information is estimated to average 110 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, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. Listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXH/ATCH NO.	C. CATEGORY:		
		TDP	TM	OTHER

D. SYSTEM/ITEM 1615-01-158-9608	E. CONTRACT/PR	F. CONTRACTOR
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1. DATA ITEM NO. 5	2. TITLE OF DATA ITEM CERTIFICATION DATA/ REPORTS	3. SUBTITLE	17. PRICE GROUP
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4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80678/T3	5. CONTRACT REFERENCE	6. REQUIRING OFFICE DEFENSE SUPPLY CENTER RICHMOND	18. ESTIMATE D TOTAL PRICE
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7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQ	12. DATE OF FIRST SUBMISSION SEE BLOCK 16*	14. DISTRIBUTION	
8. ADP CODE A		11. AS OF DATE AS REQ	13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK 16**	b. COPIES	
				a. ADDRESSEE	Final
				Draft	Reg
					Repro

16. REMARKS

PARA. 10.1,10.2,10.2.1,10.2.2,10.2.4,10.5 apply

*BLOCK # 12- UPON SUBMITTAL OF FIRST ARTICLE SAMPLE (s) AND/OR PRODUCTION LOT SAMPLE (s).

** (BLOCK # 13- REPORTS SHALL BE PROVIDED FOR THE BELOW LISTED SUB-TITLES. These certifications are required at time Production Lot testing or contract completion if testing is waived. CERTIFICATION REPORTS FOR PRIME (OEM) PROCESSES AND MATERIAL SPECIFICATIONS SHALL INCLUDE, CERTIFICATION THAT ALL VENDORS PREFORMING THESE PROCESSES ARE PRIME (OEM) (78286)SIKORSKY ACFT. APPROVED FOR THEIR SAID PROCESS

BLOCK # 5- CONTRACT REFERENCE: P/N:70105-28030-101

- MATERIAL CERTIFICATION I/A/W QQ-A-367 (7075-T73
- PENETRANT INSPECTION I/A/W NOTE 7.
- ANODIZE (TYPE 1) MIL-A-8625F
- PRIMER TT-P-1757

DCMC/ACO		1/0	
DCMC/QAR *		1/0	
PCO **		1/0	

G. PREPARED BY NAVICP-P	H. DATE 5-FEB-03	I. APPROVED BY NAVICP-P	J. DATE 5-FEB-03
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INSTRUCTION FOR COMPLETING DD FORM 1423

(See DoD 5010.12-M for detailed instructions.)

FOR GOVERNMENT

FOR GOVERNMENT PERSONNEL

- Item A.** Self-explanatory
- Item B.** Self-explanatory
- Item C.** Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual Other - other category of data, such as A Provisioning, A Configuration Management, etc.
- Item D.** Enter name of system/item being acquired that data will support.
- Item E.** Self-explanatory (to be filled in after contract award)
- Item F.** Self-explanatory (to be filled in after contract award)
- Item G.** Signature of preparer of CDRL
- Item H.** Date CDRL was prepared
- Item I.** Signature of CDRL approval authority
- Item J.** Date CDRL was approved
- Item 1.** See DoD FAR Supplement Subpart 4 71 for proper numbering.
- Item 2.** Enter title as it appears on data acquisition document cited in Item 4.
- Item 3.** Enter subtitle of data item for further definition of data item (optional entry)
- Item 4.** Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-1 (AMSDL), or one-time DID number, that defines data content and format requirements
- Item 5.** Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number)
- Item 6.** Enter technical office responsible for ensuring adequacy of the data item
- Item 7.** Specify requirement for inspection/acceptance of the data item by the Government
- Item 8.** Specify requirement for approval of a draft before preparation of the final data item
- Item 9.** For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref DoDD 5230.24)
- Item 10.** Specify number of times data items are to be delivered
- Item 11.** Specify as-of date of data item, when applicable
- Item 12.** Specify when first submittal is required
- Item 13.** Specify when subsequent submittals are required, when applicable
- Item 14.** Enter addressees and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16
- Item 15.** Enter total number of draft/final copies to be delivered
- Item 16.** Use for additional clarifying information for items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14; Desired medium for delivery of the data item.

FOR THE CONTRACTOR

- Item 17.** Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423
- a. **Group I. Definition -** Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production development, testing, and administration) but which is required by DD Form 1423
- Estimated Price -** Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.
- b. **Group II. Definition -** Data which is essential to the performance of the primary contracted effort both the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.
- Estimated Price -** Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirement, and the administrative and other expenses related to reproducing and delivering such data item to the Government.
- c. **Group III. Definition -** Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.
- Estimated Price -** Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.
- d. **Group IV. Definition -** Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal
- Estimated Price -** Group IV items should normally be shown on the DD Form 1423 at no cost.
- Item 18.** For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply the data, over and above those costs which would otherwise be incurred in performance of the contract if not data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use the data shall be governed by the pertinent provisions of the contract