

14153 QAP-CSI010730527
DTD 17 DEC 08

**DEFENSE SUPPLY CENTER PHILADELPHIA
QUALITY ASSURANCE PROVISION**

**NSN: 5315-01-073-0527
P/N: 2006405-51**

This Quality Assurance Provision (**QAP**) is to be used in conjunction with any orders/contracts for the cited NSN

FIRST ARTICLE REQUIREMENTS <i>(AFMCI 64-110, AFMCI 23-102 and FAR Part 9, Sub Part 9.3) (Additional Instructions on Page 3)</i>		1. DATE 21 NOV 2008
2. PR/MIPR NUMBER	3. PART NUMBER 2006405-51	4. NSN 5315010730527LE
5. FIRST ARTICLE QUANTITY THE FIRST ARTICLE IS <u>1</u> UNIT(S) OF LOT/ITEM <u>EA</u> AND WILL BE: PART OF PRODUCTION QUANTITY <input checked="" type="checkbox"/> IN ADDITION TO PRODUCTION QUANTITY		
6. ARTICLES WILL <input checked="" type="checkbox"/> WILL NOT	SERVE AS A MANUFACTURING	7. LONG LEAD TIME ITEMS <input checked="" type="checkbox"/> REQUIRED NOT REQUIRED <i>(See FAR 52.209-3 OR -4, alternate II)</i>
8. SPECIAL REQUIREMENT/PRODUCTION FACILITIES <i>(See FAR 52.209-3 OR -4 Alternate I)</i> <input checked="" type="checkbox"/> REQUIRED NOT REQUIRED "The First Article offered must be manufactured at the facilities in which that item is to be produced under the contract, or if the First Article is a component not manufactured by the contractor, such component must be manufactured at the facilities in which the component is to be produced for the contract. A certification to this effect must accompany each First Article which is offered."		
9. TEST/INSPECTION REQUIREMENTS		
A. CONTRACTOR TESTING <input checked="" type="checkbox"/> GOVERNMENT TESTING Performance or other characteristics which the First Articles must meet are <u>Conformance to all drawings and specifications in the contract.</u>		
B. The detailed technical requirements for First Article approval tests are contained in <u>All drawings and specifications in the contract.</u> <i>(Cite Spec and Para number)</i>		
C. TEST PLAN REQUIRED (1) DD Form 1423 ELIN _____ (2) Delivery due _____ calendar days from date of contract. (3) Number of days for government approval/disapproval _____ days.		
D. Contractor's notification to ACO and <u>OO-ALC</u> <i>(Requesting Activity)</i> of test time and location due <u>15</u> days prior to start of testing.		
E. TEST REPORT REQUIRED (1) DD Form 1423 ELIN _____ (2) Due _____ calendar days from date of contract. (3) Forwarded to _____ _____ _____ (4) Government written notice of approval/disapproval due _____ days after receipt of contractor's report.		
F. FIRST ARTICLE DELIVERY		

ENGINEERING DATA LIST										*HISTORY*	
REVISION: 5		DATA TECH: Troesch, William A		ORGANIZATION/OFFICE SYMBOL: 418 SCMS / GULABA		END ITEM: F-16		PAGE 1 OF 1			
CAGE: 13002		MANUFACTURER NAME: GOODRICH CORPORATION DBA GOODRICH L		REFERENCE NUMBER: 2006405-51		NOUN: PIN.PIVOT-LINKAGE		NSN: 5315010730527LE			
LINE /SUB	CAGE	ENG DRAWING NUM / ACCOMP DOC NUM	REV	NR SHEETS	FURN CODE	DIST CODE	NOUN	REMARKS	NAME: Troesch, William A	DATE: 26 SEP 2008	
L	17576	2006405	M		S		PIN, PIVOT - LINKAGE		W/EO 05A2800		
L	98747	HILL AFB FORM 462			X		ENG RQMTS (ATTACHMENT "A")				
STANDARD ENGINEERING TEXT											
FURNISHED METHOD CODE LEGEND: C - CLASSIFIED DOCUMENT. S - FURNISHED WITH SOLICITATION. M - STABLE BASE DRAWING REQUIRED; FURNISHED WITH CONTRACT AWARD. X - DATA SUPPLIED (NOT IN JEDMICS). R - FURNISHED BY PCO UPON REQUEST. P - PARTIAL DOCUMENT FURNISHED. V - VENDOR DRAWING; (NOT PROVIDED). G - GOVT DOCUMENT. O - OTHERS, CONTRACTOR MUST ACQUIRE. A - DATA NOT AVAILABLE.											

REV:	ENGINEERING DATA REQUIREMENTS (ATTACHMENT "A")	
NOTE: MILITARY SPECIFICATIONS / STANDARDS WILL NOT BE FURNISHED IN THE BID SET.		
1. THE FOLLOWING INSTRUCTIONS ARE FURNISHED FOR THE MANUFACTURE OF: PIN, PIVOT – LINKAGE ATTACHMENT F-16		
2. PART NUMBER: 2006405-51	3. NATIONAL STOCK NUMBER: 5315-01-073-0527LE	

4.0 PERFORM MAGNETIC PARTICLE INSPECTION PER ASTM E 1444 IN LIEU OF MIL-I-6868. USE FLUORESCENT TYPE, FULL WAVE DIRECT CURRENT (FWDC), AND WET CONTINUOUS METHOD WITH THE FOLLOWING ACCEPTANCE/REJECTION CRITERIA: NO RELEVANT INDICATIONS ALLOWED. THE INTENT OF NO RELEVANT INDICATIONS ALLOWED IS THAT THE INSPECTION IS CONDUCTED AT THE REQUIRED SENSITIVITY LEVEL AND THERE SHALL BE NO RELEVANT INDICATIONS ALLOWED. THE INSPECTOR PERFORMING THE INSPECTIONS SHALL BE CERTIFIED TO LEVEL II WITH THE INSPECTION PROCEDURE DEVELOPED BY A LEVEL III AS SPECIFIED IN AIA/NAS NAS 410.

4.1 PAINT NOTED SURFACES AS NOTED ON DRAWING PER THE FOLLOWING

- A. APPLY ONE COAT EPOXY WATERBORNE PRIMER PER MIL-PRF-85582 TYPE I CLASS C2 OR N. ALTERNATE ONE COAT OF EPOXY POLYAMIDE PRIMER PER MIL-PRF-23377 TYPE I CLASS C2.
- B. APPLY TWO TOPCOATS POLYURETHANE PER MIL-PRF-85285 TYPE I CLASS H COLOR NUMBER 17925 (WHITE) PER FED-STD-595 IN LIEU OF MIL-C-83286 COLOR NUMBER 17875 . 3

4.2 ON PARTS HEAT TREATED 180 KSI AND ABOVE, ANY SURFACES GROUND/MACHINED AFTER HEAT TREAT WILL BE INSPECTED FOR BURNS PER MIL-STD-867 (IN LIEU OF THE CONTRACTOR SPECIFICATION). NO MORE THAN THREE SUCCESSIVE INSPECTIONS SHALL BE PERFORMED WITHOUT A WAIVER FROM 417 SCMS/GUEB. GRINDING WILL BE PER MIL-STD-866 IN LIEU OF MM5759.

4.3 DRY FILM LUBE IS NOT REQUIRED.

4.4 CORROSION PROTECTION PER MIL-C-16173 GRADE 3 IN LIEU OF MM5752.

4.5 CADMIUM PLATE PER MIL-STD-870 TYPE II, CLASS 1.

4.6 CHROME PLATE PER MIL-STD-1501, TYPE II, CLASS 2, IN LIEU OF QQ-C-320. BASE METAL O.D. MAY BE UNDERSIZED A MAXIMUM OF .006 TO ACCOMMODATE TYPE II CHROME. POLISH TO RMS 32.

4.7 TEMPER ETCH INSPECT PER MIL-STD-867 IN LIEU OF MM5512.

4.8 DIMENSIONING AND TOLERANCING PER ASME Y14.5 IN LIEU OF ANSI Y14.5-1973.

4.9 SURFACE TEXTURE PER ASME B46.1 IN LIEU OF ASA B46.1-1962.

4.10 HEAT TREAT PER SAE AMS-H-6875 IN LIEU OF MIL-H-6875 AND MM4995.

4.11 SHOT PEEN PER SAE AMS 2430 AND DRAWING REQUIREMENTS IN LIEU OF MIL-S-13165. USE HARD STEEL SHOT IN THE RANGE 55-65 HRC (PER SAE AMS 2431/2 OR 2431/8) OR CERAMIC SHOT WITH A HARDNESS COMPARABLE TO 57-63 HRC (PER SAE AMS 2431/7).

PREPARED BY: WILLIAM TROESCHER	OFFICE SYMBOL: GULABA	24 NOV 2008
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4.12. MARKING AND IDENTIFICATION PER MIL-STD-130 IN LIEU OF TM1040. THE UID SHALL CONTAIN HUMAN-READABLE INFORMATION (HRI) AND MACHINE-READABLE INFORMATION (MRI) MARKINGS. QUALITY AND TECHNICAL REQUIREMENTS FOR BOTH THE MRI AND HRI SHALL BE IN ACCORDANCE WITH SAE AS9132. THE METHOD OF MARKING FOR THE HRI SHALL BE LIMITED TO DOT PEEN, VIBRO PEEN, OR MICRO-MILL. THE DEPTH OF EACH MARK SHALL BE FROM .003 - .005 INCHES UNLESS OTHERWISE SPECIFIED ON THE ORIGINAL DRAWING. THE HRI MARK WILL BE LIMITED TO 16 ALPHANUMERIC CHARACTERS INCLUDING THE VENDOR CAGE (FSCM) OF THE CONTRACTOR NAMED ON THE CONTRACT, DATE OF MANUFACTURE IN THE FORMAT MMY, AND A UNIQUE 4-DIGIT NUMBER STARTING WITH 0001 IN NUMERICAL ORDER OF MANUFACTURE. THE HRI APPEAR AS "SN 9874701040001". THE HEIGHT OF EACH ALPHANUMERIC CHARACTER IN THE HRI SHALL BE A MAXIMUM OF .125 INCHES. THE LOCATION OF THE HRI SHALL IS IDENTIFIED ON THE DRAWING. THE MRI MARK SHALL CONTAIN HRI EQUIVALENT INFORMATION IN BOTH 2D MATRIX FORM AND IN HUMAN READABLE FORM. THE FULL DETAILED UID MARKING REQUIREMENTS SHALL BE APPLIED TO A SUPPLEMENTAL BAG OR OTHER PACKAGE THAT ENCLOSES THE INDIVIDUAL ITEM

5.1 MATERIAL REVIEW BOARD:

5.1.1 515 CBSS/GBEA RETAINS ALL RIGHTS TO REVIEW AND ACCEPT MATERIAL REVIEW BOARD (MRB'S) DISPOSITIONS PRIOR TO SHIPMENT OF DISCREPANT ITEM. ALL DEVIATIONS, MINOR AND MAJOR, FROM THE ENGINEERING DRAWING PACKAGE SHALL BE SUBMITTED FOR MRB DISPOSITION.

5.1.2 PRIOR TO CONTRACT AWARD, THE CONTRACTOR SHALL CERTIFY TO THE GOVERNMENT IN WRITING FULL COMPLIANCE WITH MANUALS, SPECIFICATIONS, AND STANDARDS CALLED OUT AND REQUIRED FOR THE MANUFACTURE OF THIS CONTRACTED LANDING GEAR COMPONENT/ASSEMBLY. CONTRACTOR IS RESPONSIBLE TO COMPLETELY SEARCH THESE MANUAL, SPECIFICATIONS, AND STANDARDS AND FULLY UNDERSTAND THE REQUIREMENTS NECESSARY TO MANUFACTURE LANDING GEAR COMPONENTS. ANY QUESTIONS CAN BE FORWARDED TO 515 CBSS/GBEA.

PREPARED BY: WILLIAM TROESCHER	OFFICE SYMBOL: GULABA	24 NOV 2008
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