

CONTINUATION REPORT

ICN 941989RF06	KO M01	MATL ITEM ID 00347
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REQ DOC NO. N42158-5076V188	REV	CONTRACT NO.	REFERENCE DOC NO.	ATTACHMENT <b>A</b>
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NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES	QTY	UNIT	UNIT PRICE	AMOUNT
0001	9B 4030 LLR140124  SHACKLE  SCREW PIN ANCHOR SHACKLE 5/8" NOMINAL SIZE, STEEL, FORGED, NOT WELDED OR CAST; FED SPEC RR-C-271, TYPE IVA, GRADE A OR B, CLASS 2, MINIMUM WORKING LOAD LIMIT: 3-1/4 TONS MINIMUM BREAKING STRENGTH: 16-1/4 TONS SELF-COLORED, NO GALVANIZING  ORDERING SPECIFICATIONS PER ATTACHMENT (1) CERTIFICATE OF CONFORMANCE AND TEST REPORTS REQUIRED PER ATTACHMENT (2) CERTIFICATE OF COMPLIANCE REQUIRED	20	EA		
ACR:					

**Attachment (1) Document Number 5076V188**  
**5/8" Shackle Ordering Specifications**

Screw Pin Anchor Shackle  
Nominal Size: 5/8"  
Minimum Working Load Limit: 3-1/4 Ton  
Crosby S-209 Stock # 1018482 or equal\*\*

\*\* VENDOR OFFER OF AN ALTERNATE PRODUCT MUST BE ACCOMPANIED BY SUBMITTAL OF SPEC SHEET, CATALOG DESCRIPTIONS ETC., FOR EVALUATION OF EQUIVALENCY BY NNSY.

1. Shall have a minimum breaking strength of 5 times the manufacturer's rated safe working load (16-1/4 tons).
2. Shall be forged and shall meet the technical requirements of Federal Specification RR-C-271 for material composition (grade A or B).
3. Shall be self-colored. Galvanization is NOT allowed.
4. Shall be load tested to 150%, +5%, -0% (9,750 lbs., +488lbs., -0lbs) of the working load limit for 10 minutes minimum. LOAD TEST SHALL BE PERFORMED PRIOR TO MT INSPECTION. No yield, permanent deformation, or break is allowed.
5. After load testing, all surfaces of the shackle bail and pin shall be 100% wet magnetic particle (MT) inspected by the manufacturer. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 w/ Chg. Notice 1. MT acceptance criteria shall be per MIL-STD-2035A and as follows:
  - 5.1 No traverse discontinuities are allowed on any surface of the shackle bail or pin. A discontinuity is any interruption in the normal physical structure or configuration of a part, which will cause a detectable indication or signal when non-destructively tested.
  - 5.2 No indication greater than 1/16" is allowed. An indication is evidence of a discontinuity that requires interpretation to determine its significance.
  - 5.3 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 w/ Chg. Notice 1 shall be provided by vendor for each shackle provided by this contract.
6. Shackles shall be marked with the manufacturer's name or logo and the Working Load Limit as required by paragraph 3.4.3.1.6 of RR-C-271 Rev F.
7. Vendor shall provide Certificate(s) of Conformance per Attachment (2) that certify the shackles provided meet the following requirements:
  - 7.1 The minimum breaking strength is 5 times the manufacturer's rated safe working load (16-1/4 tons).
  - 7.2 Shackles are forged and meet the technical requirements of RR-C-271 Rev F. for material composition (grade A or B).
  - 7.3 Certificates shall be traceable to the purchase contract under which the material is provided.

**Attachment (1) Document Number 5076V188  
5/8" Shackle Ordering Specifications**

8. Vendor shall provide the following Certified Test Reports per Attachment (2):
- 8.1 Load Test Report/Certificate for each shackle to include test load and duration of test per Para. 4 above.
  - 8.2 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 w/ Chg. Notice 1 for each shackle tested, inspected and accepted per Para. 5 above.
  - 8.3 All above required information shall be traceable to the shackles received per this order by a serial number that corresponds to above requested certification test reports and other data sheets. Test reports and other documentation must be traceable to the purchase contract under which the material is provided.



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REQ DOC NO. N42158-5076V189	REV	CONTRACT NO.	REFERENCE DOC NO.	ATTACHMENT <b>B</b>	
NAME OF OFFEROR OR CONTRACTOR					
ITEM NO.	SUPPLIES/SERVICES	QTY	UNIT	UNIT PRICE	AMOUNT
0001	9B 4030 LLR140125  SHACKLE  SCREW PIN ANCHOR SHACKLE 3/4" NOMINAL SIZE, STEEL, FORGED, NOT WELDED OR CAST, FED SPEC RR-C-271, TYPE IVA, GRADE A OR B, CLASS 2, MINIMUM WORKING LOAD LIMIT: 4-3/4 TONS MINIMUM BREAKING STRENGTH: 23-3/4 TONS SELF-COLORED, NO GALVANIZING  ORDERING SPECIFICATIONS PER ATTACHMENT (1) CERTIFICATE OF CONFORMANCE AND TEST REPORTS REQUIRED PER ATTACHMENT (2) CERTIFICATE OF COMPLIANCE REQUIRED	20	EA		
ACR:					

Attachment (1) Document Number 5076V189  
3/4" Shackle Ordering Specifications

Screw Pin Anchor Shackle  
Nominal Size: 3/4"  
Minimum Working Load Limit: 4-3/4 Ton  
Crosby S-209 Stock # 1018507 or equal\*\*

\*\* VENDOR OFFER OF AN ALTERNATE PRODUCT MUST BE ACCOMPANIED BY SUBMITTAL OF SPEC SHEET, CATALOG DESCRIPTIONS ETC., FOR EVALUATION OF EQUIVALENCY BY NNSY.

1. Shall have a minimum breaking strength of 5 times the manufacturer's rated safe working load (23-3/4 tons).
2. Shall be forged and shall meet the technical requirements of Federal Specification RR-C-271 for material composition (grade A or B).
3. Shall be self-colored. Galvanization is NOT allowed.
4. Shall be load tested to 150%, +5%, -0% (14,250lbs., +713lbs., -0lbs) of the working load limit for 10 minutes minimum. LOAD TEST SHALL BE PERFORMED PRIOR TO MT INSPECTION. No yield, permanent deformation, or break is allowed.
5. After load testing, all surfaces of the shackle bail and pin shall be 100% wet magnetic particle (MT) inspected by the manufacturer. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 w/ Chg. Notice 1. MT acceptance criteria shall be per MIL-STD-2035A and as follows:
  - 5.1 No traverse discontinuities are allowed on any surface of the shackle bail or pin. A discontinuity is any interruption in the normal physical structure or configuration of a part, which will cause a detectable indication or signal when non-destructively tested.
  - 5.2 No indication greater than 1/16" is allowed. An indication is evidence of a discontinuity that requires interpretation to determine its significance.
  - 5.3 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 w/ Chg. Notice 1 shall be provided by vendor for each shackle provided by this contract.
6. Shackles shall be marked with the manufacturer's name or logo and the Working Load Limit as required by paragraph 3.4.3.1.6 of RR-C-271 Rev F.
7. Vendor shall provide Certificate(s) of Conformance per Attachment (2) that certify the shackles provided meet the following requirements:
  - 7.1 The minimum breaking strength is 5 times the manufacturer's rated safe working load (23-3/4 tons).
  - 7.2 Shackles are forged and meet the technical requirements of RR-C-271 Rev F. for material composition (grade A or B).

**Attachment (1) Document Number 5076V189**  
**3/4" Shackle Ordering Specifications**

- 7.3 Certificates shall be traceable to the purchase contract under which the material is provided.
8. Vendor shall provide the following Certified Test Reports per Attachment (2):
- 8.1 Load Test Report/Certificate for each shackle to include test load and duration of test per Para. 4 above.
  - 8.2 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 w/ Chg. Notice 1 for each shackle tested, inspected and accepted per Para. 5 above.
  - 8.3 All above required information shall be traceable to the shackles received per this order by a serial number that corresponds to above requested certification test reports and other data sheets. Test reports and other documentation must be traceable to the purchase contract under which the material is provided.



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REQ DOC NO. N42158-5076V190	REV	CONTRACT NO.	REFERENCE DOC NO.	ATTACHMENT <b>C</b>
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NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES	QTY	UNIT	UNIT PRICE	AMOUNT
0001	9B 4030 LLR140126  SHACKLE  SCREW PIN ANCHOR SHACKLE 1" NOMINAL SIZE, STEEL, FORGED, NOT WELDED OR CAST, FED SPEC RR-C-271, TYPE IVA, GRADE A OR B, CLASS 2, MINIMUM WORKING LOAD LIMIT: 8-1/2 TONS MINIMUM BREAKING STRENGTH: 42-1/2 TONS SELF-COLORED, NO GALVANIZING  ORDERING SPECIFICATIONS PER ATTACHMENT (1) CERTIFICATE OF CONFORMANCE AND TEST REPORTS REQUIRED PER ATTACHMENT (2) CERTIFICATE OF COMPLIANCE REQUIRED	20	EA		

ACR:

Attachment (1) Document Number 5076V190  
1" Shackle Ordering Specifications

Screw Pin Anchor Shackle  
Nominal Size: 1"  
Minimum Working Load Limit: 8-1/2 Ton  
Crosby S-209 Stock # 1018543 or equal\*\*

\*\* VENDOR OFFER OF AN ALTERNATE PRODUCT MUST BE ACCOMPANIED BY SUBMITTAL OF SPEC SHEET, CATALOG DESCRIPTIONS ETC., FOR EVALUATION OF EQUIVALENCY BY NNSY.

1. Shall have a minimum breaking strength of 5 times the manufacturer's rated safe working load (42-1/2 tons).
2. Shall be forged and shall meet the technical requirements of Federal Specification RR-C-271 for material composition (grade A or B).
3. Shall be self-colored. Galvanization is NOT allowed.
4. Shall be load tested to 150%, +5%, -0% (25,500lbs., +1275lbs., -0lbs) of the working load limit for 10 minutes minimum. LOAD TEST SHALL BE PERFORMED PRIOR TO MT INSPECTION. No yield, permanent deformation, or break is allowed.
5. After load testing, all surfaces of the shackle bail and pin shall be 100% wet magnetic particle (MT) inspected by the manufacturer. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 w/ Chg. Notice 1. MT acceptance criteria shall be per MIL-STD-2035A and as follows:
  - 5.1 No traverse discontinuities are allowed on any surface of the shackle bail or pin. A discontinuity is any interruption in the normal physical structure or configuration of a part, which will cause a detectable indication or signal when non-destructively tested.
  - 5.2 No indication greater than 1/16" is allowed. An indication is evidence of a discontinuity that requires interpretation to determine its significance.
  - 5.3 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 w/ Chg. Notice 1 shall be provided by vendor for each shackle provided by this contract.
6. Shackles shall be marked with the manufacturer's name or logo and the Working Load Limit as required by paragraph 3.4.3.1.6 of RR-C-271 Rev F.
7. Vendor shall provide Certificate(s) of Conformance per Attachment (2) that certify the shackles provided meet the following requirements:
  - 7.1 The minimum breaking strength is 5 times the manufacturer's rated safe working load (42-1/2 tons).
  - 7.2 Shackles are forged and meet the technical requirements of RR-C-271 Rev F. for material composition (grade A or B).
  - 7.3 Certificates shall be traceable to the purchase contract under which the material is provided.

**Attachment (1) Document Number 5076V190**  
**1" Shackle Ordering Specifications**

8. Vendor shall provide the following Certified Test Reports per Attachment (2):

- 8.1 Load Test Report/Certificate for each shackle to include test load and duration of test per Para. 4 above.
- 8.2 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 w/ Chg. Notice 1 for each shackle tested, inspected and accepted per Para. 5 above.
- 8.3 All above required information shall be traceable to the shackles received per this order by a serial number that corresponds to above requested certification test reports and other data sheets. Test reports and other documentation must be traceable to the purchase contract under which the material is provided.



CONTINUATION REPORT

ICN 941989RF06	KO M01	MATL ITEM ID 00350
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REQ DOC NO. N42158-5076V191	REV	CONTRACT NO.	REFERENCE DOC NO.	ATTACHMENT <b>D</b>
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NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES	QTY	UNIT	UNIT PRICE	AMOUNT
0001	9B 4030 LLR140127  SHACKLE  SCREW PIN ANCHOR SHACKLE 1-1/4" NOMINAL SIZE, STEEL, FORGED, NOT WELDED OR CAST, FED SPEC RR-C-271, TYPE IVA, GRADE A OR B, CLASS 2, MINIMUM WORKING LOAD LIMIT: 12 TONS MINIMUM BREAKING STRENGTH: 60 TONS SELF-COLORED, NO GALVANIZING  ORDERING SPECIFICATIONS PER ATTACHMENT (1) CERTIFICATE OF CONFORMANCE AND TEST REPORTS REQUIRED PER ATTACHMENT (2) CERTIFICATE OF COMPLIANCE REQUIRED	15	EA		

ACR:

Attachment (1) Document Number 5076V191  
1-1/4" Shackle Ordering Specifications

Screw Pin Anchor Shackle  
Nominal Size: 1-1/4"  
Minimum Working Load Limit: 12 Ton  
Crosby S-209 Stock # 1018589 or equal\*\*

\*\* VENDOR OFFER OF AN ALTERNATE PRODUCT MUST BE ACCOMPANIED BY SUBMITTAL OF SPEC SHEET, CATALOG DESCRIPTIONS ETC., FOR EVALUATION OF EQUIVALENCY BY NNSY.

1. Shall have a minimum breaking strength of 5 times the manufacturer's rated safe working load (60 tons).
2. Shall be forged and shall meet the technical requirements of Federal Specification RR-C-271 for material composition (grade A or B).
3. Shall be self-colored. Galvanization is NOT allowed.
4. Shall be load tested to 150%, +5%, -0% (36,000lbs., +1800lbs., -0lbs) of the working load limit for 10 minutes minimum. LOAD TEST SHALL BE PERFORMED PRIOR TO MT INSPECTION. No yield, permanent deformation, or break is allowed.
5. After load testing, all surfaces of the shackle bail and pin shall be 100% wet magnetic particle (MT) inspected by the manufacturer. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 w/ Chg. Notice 1. MT acceptance criteria shall be per MIL-STD-2035A and as follows:
  - 5.1 No traverse discontinuities are allowed on any surface of the shackle bail or pin. A discontinuity is any interruption in the normal physical structure or configuration of a part, which will cause a detectable indication or signal when non-destructively tested.
  - 5.2 No indication greater than 1/16" is allowed. An indication is evidence of a discontinuity that requires interpretation to determine its significance.
  - 5.3 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 w/ Chg. Notice 1 shall be provided by vendor for each shackle provided by this contract.
6. Shackles shall be marked with the manufacturer's name or logo and the Working Load Limit as required by paragraph 3.4.3.1.6 of RR-C-271 Rev F.
7. Vendor shall provide Certificate(s) of Conformance per Attachment (2) that certify the shackles provided meet the following requirements:
  - 7.1 The minimum breaking strength is 5 times the manufacturer's rated safe working load (60 tons).
  - 7.2 Shackles are forged and meet the technical requirements of RR-C-271 Rev F. for material composition (grade A or B).
  - 7.3 Certificates shall be traceable to the purchase contract under which the material is provided.

**Attachment (1) Document Number 5076V191**  
**1-1/4" Shackle Ordering Specifications**

8. Vendor shall provide the following Certified Test Reports per Attachment (2):
- 8.1 Load Test Report/Certificate for each shackle to include test load and duration of test per Para. 4 above.
  - 8.2 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 w/ Chg. Notice 1 for each shackle tested, inspected and accepted per Para. 5 above.
  - 8.3 All above required information shall be traceable to the shackles received per this order by a serial number that corresponds to above requested certification test reports and other data sheets. Test reports and other documentation must be traceable to the purchase contract under which the material is provided.



## CONTINUATION REPORT

ICN 941989RF05	KO M01	MATL ITEM ID 00407
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REQ DOC NO. N42158-5076V192	REV	CONTRACT NO.	REFERENCE DOC NO.	ATTACHMENT <b>E</b>
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NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES	QTY	UNIT	UNIT PRICE	AMOUNT
0001	9B 4010 LLR150057  MASTER LINK  ALLOY STEEL MASTER LINK 3/4 INCH NOMINAL SIZE WORKING LOAD LIMIT: 12,300 LBS MINIMUM BREAKING STRENGTH: 49,200 LBS MINIMUM SELF-COLORED, NO GALVANIZING  ORDERING SPECIFICATIONS PER ATTACHMENT (1) CERTIFICATE OF CONFORMANCE AND TEST REPORTS REQUIRED PER ATTACHMENT (2) CERTIFICATE OF COMPLIANCE REQUIRED	12	EA		

ACR:

**Attachment (1) Document Number 5076V192  
3/4" Master Link Ordering Specifications**

Alloy Master Link  
Crosby A-342 stock # 1014285 or equal\*\*  
Size: 3/4W  
Working Load Limit: 12,300 lbs. (minimum)

\*\* VENDOR OFFER OF AN ALTERNATE PRODUCT MUST BE ACCOMPANIED BY SUBMITTAL OF SPEC SHEET, CATALOG DESCRIPTIONS ETC., FOR EVALUATION OF EQUIVALENCY BY NNSY.

1. Shall be weldless and forged/wrought.
2. Shall have a minimum breaking strength that is 4 times the manufacturer's safe working load (49,200 lbs.).
3. Shall meet the same technical requirements of Federal Specification RR-C-271 for material composition as for shackles.
4. Shall be load tested to 12,900 lbs. (+645 lbs, -0 lbs.) for 10 minutes minimum. The load test shall be performed BEFORE the MT inspection. No yield, permanent deformation or break is allowed.
5. The entire master link shall be 100% wet magnetic particle (MT) inspected by the manufacturer to ensure there are no cracks. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 w/ change notice 1. MT acceptance criteria shall be per MIL-STD-2035A and as follows: (The MT inspection shall be performed AFTER the load test.)
  - 5.1 No transverse discontinuities are allowed on any surfaces of the master link. A discontinuity is any interruption in the normal physical structure or configuration of a part which will cause a detectable indication or signal when non-destructively tested.
  - 5.2 No indication greater than 1/16 inch is allowed. An indication is evidence of a discontinuity that requires interpretation to determine its significance.
  - 5.3 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 w/ change notice 1 shall be provided by vendor for each master link provided by this contract.

*Attach: (E1)*

**Attachment (1) Document Number 5076V192  
3/4" Master Link Ordering Specifications**

6. Vendor shall provide Certificate(s) of Compliance that certify the master links meet the following requirements:

- 6.1 The minimum breaking strength is four times the rated capacity (49,200 lbs.)
- 6.2 Meets the technical requirements of RR-C-271 for material composition.
- 6.3 Certificates are traceable to the purchase contract under which the material is provided.

7. Vendor shall provide the following Certified Test Reports:

- 7.1 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1 for each master link tested, inspected and accepted per Para. 5 above.
- 7.2 Load test reports for each master link tested and accepted per Para. 4 above.
- 7.3 All required information shall be traceable to the safety hoist rings received per this order by a serial number that corresponds to above requested certification test reports and other data sheets. Test reports and other documentation must be traceable to the purchase contract under which the material is provided.



CONTINUATION REPORT

ICN 941989RF05	KO M01	MATL ITEM ID 00354
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REQ DOC NO. N42158-5076V193	REV	CONTRACT NO.	REFERENCE DOC NO.	ATTACHMENT F		
NAME OF OFFEROR OR CONTRACTOR						
ITEM NO.	SUPPLIES/SERVICES		QTY	UNIT	UNIT PRICE	AMOUNT
0001	9B 4030 LLR120068  SAFETY HOIST RING  5/16"-18UNC THREAD, 800 LBS. CAPACITY (MIN), THREAD ENGAGEMENT: 0.47" (MIN) CENTER PULL STANDARD U-BAR 5:1 RATED DESIGN FACTOR 360 DEGREE SWIVEL, 180 DEGREE PIVOT  ORDERING SPECIFICATIONS PER ATTACHMENT (1) CERTIFICATE OF CONFORMANCE AND TEST REPORTS REQUIRED PER ATTACHMENT (2) CERTIFICATE OF COMPLIANCE REQUIRED		15	EA		
ACR:						

**Attachment (1) Document Number 5076V193  
5/16" Safety Hoist Ring Ordering Specifications**

Size: 5/16-18UNC

Minimum Capacity: 800 lb.

Minimum Thread Engagement (1-1/2 times diameter): 0.47"

Part #: Actek P/N 46104 or equal\*\*

**\*\* VENDOR OFFER OF AN ALTERNATE PRODUCT MUST BE ACCOMPANIED BY SUBMITTAL OF SPEC SHEET, CATALOG DESCRIPTIONS ETC., FOR EVALUATION OF EQUIVALENCY BY NNSY.**

1. Shall have a minimum breaking strength of five times the manufacturer's rated safe working load. (4,000 lbs.)
2. Shall meet the technical requirements of ASTM A-322 for material composition.
3. **PRE-LOAD TEST MT:** All major parts (bail/U-Bar, shoulder pins, body, bushing, washer, and screw) of the safety hoist ring shall be 100% wet magnetic particle (MT) inspected by the manufacturer before assembly. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1. MT acceptance criteria shall be per MIL-STD-2035A and as follows:
  - 3.1 No discontinuities allowed on the shoulder pin surfaces. A discontinuity is any interruption in the normal physical structure or configuration of a part, which will cause a detectable indication or signal when non-destructively examined.
  - 3.2 Discontinuities that intersect edges of the shoulder pin holes in the body or the bail are not permitted.
  - 3.3 No traverse discontinuities are allowed on any surfaces of the components.
  - 3.4 No indication greater than 1/16 inch is allowed. An indication is evidence of a discontinuity that requires interpretation to determine its significance.
  - 3.5 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1 shall be provided by vendor for each safety hoist ring provided by this contract. Records shall specify all major parts inspected for each safety hoist ring.
4. **LOAD TEST:** Load test each safety hoist ring to 150% +5% -0% of rated capacity (1200 lbs, +60 lbs, -0 lbs), in the vertical direction. Hold the load for 10 minutes minimum. Load test shall be performed after the pre-load test MT per para. 3. No yield, permanent deformation, or break is allowed.
5. **POST-LOAD TEST MT:** After load testing, disassemble the safety hoist ring to the maximum extent possible without damaging the item. Do not remove the shoulder pins to perform this MT. All major parts of the safety hoist ring (bail/U-bar, body, bushing, washer and screw) shall be 100% wet magnetic particle (MT) inspected by the manufacturer after the load test. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1. MT acceptance criteria shall be per MIL-STD-2035A and as follows: (This MT shall be performed after the load test per para. 4.)

**Attachment (1) Document Number 5076V193**  
**5/16" Safety Hoist Ring Ordering Specifications**

- 5.1 No discontinuities allowed on the body or the bail. A discontinuity is any interruption in the normal physical structure or configuration of a part, which will cause a detectable indication or signal when non-destructively examined.
  - 5.2 No traverse discontinuities are allowed on any surfaces of the components.
  - 5.3 No indication greater than 1/16 inch is allowed. An indication is evidence of a discontinuity that requires interpretation to determine its significance.
  - 5.4 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1 shall be provided by vendor for each safety hoist ring provided by this contract. Records shall specify all major parts inspected for each safety hoist ring.
6. Shall be provided without plating or any other coating that will interfere with MT inspection by the purchaser. Black oxide coating will not interfere with MT inspection and is acceptable.
7. Vendor shall provide Certificate(s) of Conformance that certify the safety hoist rings meet the following requirements:
- 7.1 The minimum breaking strength is five times the rated capacity (4,000 lbs.)
  - 7.2 Meets the technical requirements of ASTM A-322 for material composition.
  - 7.3 Are provided without plating or any other coating that will interfere with MT inspection by the purchaser. Black oxide coating will not interfere with MT inspection and is acceptable.
  - 7.4 Certificates are traceable to the purchase contract under which the material is provided.
8. Vendor shall provide the following Certified Test Reports:
- 8.1 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1 for each safety hoist ring tested, inspected and accepted per Para. 3 and Para. 5 above.
  - 8.2 Load test reports for each safety hoist ring tested and accepted per Para. 4 above.
  - 8.3 All required information shall be traceable to the safety hoist rings received per this order by a serial number that corresponds to above requested certification test reports and other data sheets. Test reports and other documentation must be traceable to the purchase contract under which the material is provided.



CONTINUATION REPORT

ICN 941989RF05	KO M01	MATL ITEM ID 00355
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REQ DOC NO. N42158-5076V194	REV	CONTRACT NO.	REFERENCE DOC NO.	ATTACHMENT <b>G</b>
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NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES	QTY	UNIT	UNIT PRICE	AMOUNT
0001	9B 4030 LLR120063  SAFETY HOIST RING  3/8"-16UNC THREAD, 1000 LBS. CAPACITY (MIN), THREAD ENGAGEMENT: 1" (MIN) (SPECIAL REQUIREMENT) CENTER PULL STANDARD U-BAR 5:1 RATED DESIGN FACTOR 360 DEGREE SWIVEL, 180 DEGREE PIVOT  ORDERING SPECIFICATIONS PER ATTACHMENT (1) CERTIFICATE OF CONFORMANCE AND TEST REPORTS REQUIRED PER ATTACHMENT (2) CERTIFICATE OF COMPLIANCE REQUIRED	30	EA		

ACR:

Attachment (1) Document Number 5076V194  
3/8" Safety Hoist Ring Ordering Specifications

Size: 3/8" – 16UNC

Minimum Capacity: 1000 lb.

Minimum Thread Engagement: 1" (Special Requirement – See para. 3)

Part #: Actek P/N 46106 or equal\*\*

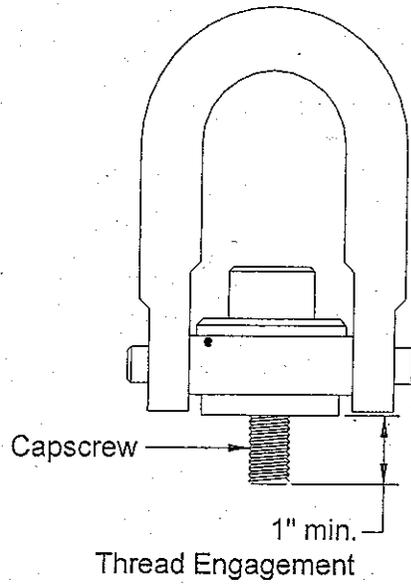
\*\* VENDOR OFFER OF AN ALTERNATE PRODUCT MUST BE ACCOMPANIED BY SUBMITTAL OF SPEC SHEET, CATALOG DESCRIPTIONS ETC., FOR EVALUATION OF EQUIVALENCY BY NNSY.

1. Shall have a minimum breaking strength of five times the manufacturer's rated safe working load. (5,000 lbs.)
2. Shall meet the technical requirements of ASTM A-322 for material composition.
3. Thread engagement shall be 1 inch (minimum). See Figure 1.
4. **PRE-LOAD TEST MT:** All major parts (bail/U-Bar, shoulder pins, body, bushing, washer, and screw) of the safety hoist ring shall be 100% wet magnetic particle (MT) inspected by the manufacturer before assembly. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1. MT acceptance criteria shall be per MIL-STD-2035A and as follows:
  - 4.1 No discontinuities allowed on the shoulder pin surfaces. A discontinuity is any interruption in the normal physical structure or configuration of a part, which will cause a detectable indication or signal when non-destructively examined.
  - 4.2 Discontinuities that intersect edges of the shoulder pin holes in the body or the bail are not permitted.
  - 4.3 No traverse discontinuities are allowed on any surfaces of the components.
  - 4.4 No indication greater than 1/16 inch is allowed. An indication is evidence of a discontinuity that requires interpretation to determine its significance.
  - 4.5 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1 shall be provided by vendor for each safety hoist ring provided by this contract. Records shall specify all major parts inspected for each safety hoist ring.
5. **LOAD TEST:** Load test each safety hoist ring to 150% +5% -0% of rated capacity (1500 lbs, +75 lbs, -0 lbs), in the vertical direction. Hold the load for 10 minutes minimum. Load test shall be performed after the pre-load test MT per para. 4. No yield, permanent deformation, or break is allowed.
6. **POST-LOAD TEST MT:** After load testing, disassemble the safety hoist ring to the maximum extent possible without damaging the item. Do not remove the shoulder pins to perform this MT. All major parts of the safety hoist ring (bail/U-bar, body, bushing, washer and screw) shall be 100% wet magnetic particle (MT) inspected by the manufacturer after the load test. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1. MT acceptance criteria shall be per MIL-STD-2035A and as follows: (This MT shall be performed after the load test per para. 5.)

**Attachment (1) Document Number 5076V194  
3/8" Safety Hoist Ring Ordering Specifications**

- 6.1 No discontinuities allowed on the body or the bail. A discontinuity is any interruption in the normal physical structure or configuration of a part, which will cause a detectable indication or signal when non-destructively examined.
  - 6.2 No traverse discontinuities are allowed on any surfaces of the components.
  - 6.3 No indication greater than 1/16 inch is allowed. An indication is evidence of a discontinuity that requires interpretation to determine its significance.
  
  - 6.4 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1 shall be provided by vendor for each safety hoist ring provided by this contract. Records shall specify all major parts inspected for each safety hoist ring.
7. Shall be provided without plating or any other coating that will interfere with MT inspection by the purchaser. Black oxide coating will not interfere with MT inspection and is acceptable.
8. Vendor shall provide Certificate(s) of Conformance that certify the safety hoist rings meet the following requirements:
- 8.1 The minimum breaking strength is five times the rated capacity (5,000 lbs.)
  - 8.2 Meets the technical requirements of ASTM A-322 for material composition.
  - 8.3 Are provided without plating or any other coating that will interfere with MT inspection by the purchaser. Black oxide coating will not interfere with MT inspection and is acceptable.
  - 8.4 Certificates are traceable to the purchase contract under which the material is provided.
9. Vendor shall provide the following Certified Test Reports:
- 9.1 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 for each safety hoist ring tested, inspected and accepted per Para. 4 and Para. 6 above.
  - 9.2 Load test reports for each safety hoist ring tested and accepted per Para. 5 above.
  - 9.3 All required information shall be traceable to the safety hoist rings received per this order by a serial number that corresponds to above requested certification test reports and other data sheets. Test reports and other documentation must be traceable to the purchase contract under which the material is provided.

Attachment (1) Document Number 5076V194  
3/8" Safety Hoist Ring Ordering Specifications



**Figure 1**  
**Thread Engagement Requirement (see para. 3)**



CONTINUATION REPORT

ICN 941989RF05	KO M01	MATL ITEM ID 00353
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REQ DOC NO. N42158-5076V195	REV	CONTRACT NO.	REFERENCE DOC NO.	ATTACHMENT H
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NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES	QTY	UNIT	UNIT PRICE	AMOUNT
0001	9B 4030 LLR120058  SAFETY HOIST RING  1/2"-13UNC THREAD, 2500 LBS. CAPACITY (MIN), THREAD ENGAGEMENT: 0.78" (MIN) CENTER PULL STANDARD U-BAR 5:1 RATED DESIGN FACTOR 360 DEGREE SWIVEL, 180 DEGREE PIVOT  ORDERING SPECIFICATIONS PER ATTACHMENT (1) CERTIFICATE OF CONFORMANCE AND TEST REPORTS REQUIRED PER ATTACHMENT (2) CERTIFICATE OF COMPLIANCE REQUIRED	15	EA		

ACR:

**Attachment (1) Document Number 5076V195  
1/2" Safety Hoist Ring Ordering Specifications**

Size: 1/2-13UNC

Minimum Capacity: 2500 lb.

Minimum Thread Engagement (1-1/2 times diameter): 0.75"

Part #: Actek Item # 46008 or equal\*\*

\*\* VENDOR OFFER OF AN ALTERNATE PRODUCT MUST BE ACCOMPANIED BY SUBMITTAL OF SPEC SHEET, CATALOG DESCRIPTIONS ETC., FOR EVALUATION OF EQUIVALENCY BY NNSY.

1. Shall have a minimum breaking strength of five times the manufacturer's rated safe working load. (12,500 lbs.)
2. Shall meet the technical requirements of ASTM A-322 for material composition.
3. **PRE-LOAD TEST MT:** All major parts (bail/U-Bar, shoulder pins, body, bushing, washer, and screw) of the safety hoist ring shall be 100% wet magnetic particle (MT) inspected by the manufacturer before assembly. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1. MT acceptance criteria shall be per MIL-STD-2035A and as follows:
  - 3.1 No discontinuities allowed on the shoulder pin surfaces. A discontinuity is any interruption in the normal physical structure or configuration of a part, which will cause a detectable indication or signal when non-destructively examined.
  - 3.2 Discontinuities that intersect edges of the shoulder pin holes in the body or the bail are not permitted.
  - 3.3 No traverse discontinuities are allowed on any surfaces of the components.
  - 3.4 No indication greater than 1/16 inch is allowed. An indication is evidence of a discontinuity that requires interpretation to determine its significance.
  - 3.5 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1 shall be provided by vendor for each safety hoist ring provided by this contract. Records shall specify all major parts inspected for each safety hoist ring.
4. **LOAD TEST:** Load test each safety hoist ring to 150% +5% -0% of rated capacity (3750 lbs, +188 lbs, -0 lbs), in the vertical direction. Hold the load for 10 minutes minimum. Load test shall be performed after the pre-load test MT per para. 3. No yield, permanent deformation, or break is allowed.
5. **POST-LOAD TEST MT:** After load testing, disassemble the safety hoist ring to the maximum extent possible without damaging the item. Do not remove the shoulder pins to perform this MT. All major parts of the safety hoist ring (bail/U-bar, body, bushing, washer and screw) shall be 100% wet magnetic particle (MT) inspected by the manufacturer after the load test. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1. MT acceptance criteria shall be per MIL-STD-2035A and as follows: (This MT shall be performed after the load test per para. 4.)
  - 5.1 No discontinuities allowed on the body or the bail. A discontinuity is any interruption in the normal physical structure or configuration of a part, which will cause a detectable indication or signal when non-destructively examined.
  - 5.2 No traverse discontinuities are allowed on any surfaces of the components.

Attach: (H1)

**Attachment (1) Document Number 5076V195  
1/2" Safety Hoist Ring Ordering Specifications**

- 5.3 No indication greater than 1/16 inch is allowed. An indication is evidence of a discontinuity that requires interpretation to determine its significance.
- 5.4 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1 shall be provided by vendor for each safety hoist ring provided by this contract. Records shall specify all major parts inspected for each safety hoist ring.
6. Shall be provided without plating or any other coating that will interfere with MT inspection by the purchaser. Black oxide coating will not interfere with MT inspection and is acceptable.
7. Vendor shall provide Certificate(s) of Conformance that certify the safety hoist rings meet the following requirements:
  - 7.1 The minimum breaking strength is five times the rated capacity (12,500 lbs.)
  - 7.2 Meets the technical requirements of ASTM A-322 for material composition.
  - 7.3 Are provided without plating or any other coating that will interfere with MT inspection by the purchaser. Black oxide coating will not interfere with MT inspection and is acceptable.
  - 7.4 Certificates are traceable to the purchase contract under which the material is provided.
8. Vendor shall provide the following Certified Test Reports:
  - 8.1 MT Inspection Records per Para. 4.3.1.9 of NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1 for each safety hoist ring tested, inspected and accepted per Para. 3 and Para. 5 above.
  - 8.2 Load test reports for each safety hoist ring tested and accepted per Para. 4 above.
  - 8.3 All required information shall be traceable to the safety hoist rings received per this order by a serial number that corresponds to above requested certification test reports and other data sheets. Test reports and other documentation must be traceable to the purchase contract under which the material is provided.

