

CONTINUATION REPORT

ICN 36KSO86008	KO S21	MATL ITEM ID 00134
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REQ DOC NO. N42158-6033ZN01	REV	CONTRACT NO.	REFERENCE DOC NO.	ATTACHMENT A	
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	15	EA		
ORDERING SPECIFICATIONS PER ATTACHMENT (1) CERTIFICATE OF CONFORMANCE AND TEST REPORTS REQUIRED PER ATTACHMENT (2) CERTIFICATE OF COMPLIANCE REQUIRED					
ACR:					

ATTACHMENT (1)
3/4" Shackle Ordering Specifications
Document Number 6033ZN01

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% (14,250 lbs., +712 lbs., -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% magnetic particle (MT) inspected by the manufacturer. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1. MT acceptance criteria shall be per MIL-STD-2035A.
 - 5.1 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 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).
 - 7.3 Certificates shall be traceable to the purchase contract under which the material is provided.

ATTACHMENT (1)
3/4" Shackle Ordering Specifications
Document Number 6033ZN01

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. N42158-6033ZN02	REV.	CONTRACT NO.	REFERENCE DOC NO.	ATTACHMENT B	
NAME OF OFFEROR OR CONTRACTOR					
ITEM NO.	SUPPLIES/SERVICES	QTY	UNIT	UNIT PRICE	AMOUNT
0001	9B 4030 LLR120067 SHACKLE SCREW PIN ANCHOR SHACKLE 7/8" 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: 6-1/2 TONS MINIMUM BREAKING STRENGTH: 32-1/2 TONS SELF-COLORED, NO GALVANIZING	5	EA		
	ORDERING SPECIFICATIONS PER ATTACHMENT (1) CERTIFICATE OF CONFORMANCE AND TEST REPORTS REQUIRED PER ATTACHMENT (2) CERTIFICATE OF COMPLIANCE REQUIRED				
	ACR:				

Attachment (1)
7/8" Shackle Ordering Specifications
Document Number 6033ZN02

Screw Pin Anchor Shackle
Nominal Size: 7/8"
Minimum Working Load Limit: 6-1/2 Tons
Crosby S-209 Stock # 1018525 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 (32-1/2 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 or other coating is NOT allowed.
4. Shall be load tested to 150%, +5%, -0% (19,500 lbs., +975 lbs., -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% magnetic particle (MT) inspected by the manufacturer. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1. MT acceptance criteria shall be per MIL-STD-2035A.
 - 5.1 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 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 Compliance 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 (32-1/2 tons).
 - 7.2 Shackles are forged and meet the technical requirements of RR-C-271 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)
7/8" Shackle Ordering Specifications
Document Number 6033ZN02

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 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. N42158-6033ZN03	REV	CONTRACT NO.	REFERENCE DOC NO.	ATTACHMENT C
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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	15	EA		
	ORDERING SPECIFICATIONS PER ATTACHMENT (1) CERTIFICATE OF CONFORMANCE AND TEST REPORTS REQUIRED PER ATTACHMENT (2) CERTIFICATE OF COMPLIANCE REQUIRED				
	ACR:				

Attachment (1)
1" Shackle Ordering Specifications
Document Number 6033ZN03

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% (25,500 lbs., +1275 lbs., -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% magnetic particle (MT) inspected by the manufacturer. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1. MT acceptance criteria shall be per MIL-STD-2035A.
 - 5.1 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 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)
1" Shackle Ordering Specifications
Document Number 6033ZN03

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 ACN 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. N42158-6033ZN04	REV	CONTRACT NO.	REFERENCE DOC NO.	ATTACHMENT D	
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	2	EA		
	ORDERING SPECIFICATIONS PER ATTACHMENT (1) CERTIFICATE OF CONFORMANCE AND TEST REPORTS REQUIRED PER ATTACHMENT (2) CERTIFICATE OF COMPLIANCE REQUIRED				
	ACR:				

Attachment (1)
1-1/4" Shackle Ordering Specifications
Document Number 6033ZN04

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% (36,000 lbs., +1800 lbs., -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% magnetic particle (MT) inspected by the manufacturer. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1. MT acceptance criteria shall be per MIL-STD-2035A.
 - 5.1 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 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)
1-1/4" Shackle Ordering Specifications
Document Number 6033ZN04

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 ACN 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. N42158-6033ZN05	REV	CONTRACT NO.	REFERENCE DOC NO.	ATTACHMENT E		
NAME OF OFFEROR OR CONTRACTOR						
ITEM NO.	SUPPLIES/SERVICES		QTY	UNIT	UNIT PRICE	AMOUNT
0001	9B 4030 LLR120077 SHACKLE SCREW PIN ANCHOR SHACKLE 1-1/2" 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: 17 TONS MINIMUM BREAKING STRENGTH: 85 TONS SELF-COLORED, NO GALVANIZING		10	EA		
ORDERING SPECIFICATIONS PER ATTACHMENT (1) CERTIFICATE OF CONFORMANCE AND TEST REPORTS REQUIRED PER ATTACHMENT (2) CERTIFICATE OF COMPLIANCE REQUIRED						
ACR:						

Attachment (1)
1-1/2" Shackle Ordering Specifications
Document Number 6033ZN05

Screw Pin Anchor Shackle
Nominal Size: 1-1/2"
Minimum Working Load Limit: 17 Tons
Crosby S-209 Stock # 1018623 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 (85 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% (51,000 lbs., +2550 lbs., -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% magnetic particle (MT) inspected by the manufacturer. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1. MT acceptance criteria shall be per MIL-STD-2035A.
 - 5.1 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 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 (85 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)
1-1/2" Shackle Ordering Specifications
Document Number 6033ZN05

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 ACN 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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ICN 36KSO86008	KO S21	MATL ITEM ID 00139
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REQ DOC NO. N42158-6033ZN06	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 LLR120089 SHACKLE SCREW PIN ANCHOR SHACKLE 1-3/4" 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: 25 TONS, MINIMUM BREAKING STRENGTH: 125 TONS, SELF-COLORED, NO GALVANIZING	4	EA		
	ORDERING SPECIFICATIONS PER ATTACHMENT (1) CERTIFICATE OF CONFORMANCE AND TEST REPORTS REQUIRED PER ATTACHMENT (2) CERTIFICATE OF COMPLIANCE REQUIRED				
	ACR:				

Attachment (1)
1-3/4" Shackle Ordering Specifications
Document Number 6033ZN06

Screw Pin Anchor Shackle
Nominal Size: 1-3/4"
Minimum Working Load Limit: 25 Ton
Crosby S-209 Stock # 1018641 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 (125 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 or other coating is NOT allowed.
4. Shall be load tested to 150%, +5%, -0% (75,000 lbs., +3750 lbs., -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% magnetic particle (MT) inspected by the manufacturer. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1. MT acceptance criteria shall be per MIL-STD-2035A.
 - 5.1 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 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 Compliance 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 (125 tons).
 - 7.2 Shackles are forged and meet the technical requirements of RR-C-271 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)
1-3/4" Shackle Ordering Specifications
Document Number 6033ZN06

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 ACN 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 36KSO86008	KO S21	MATL ITEM ID 00140
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REQ DOC NO. N42158-6033ZN07	REV	CONTRACT NO.	REFERENCE DOC NO.	ATTACHMENT G		
NAME OF OFFEROR OR CONTRACTOR						
ITEM NO.	SUPPLIES/SERVICES		QTY	UNIT	UNIT PRICE	AMOUNT
0001	9B 4030 LLR120107 SHACKLE SCREW PIN ANCHOR SHACKLE 2" 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: 35 TONS MINIMUM BREAKING STRENGTH: 175 TONS SELF-COLORED, NO GALVANIZING		9	EA		
ORDERING SPECIFICATIONS PER ATTACHMENT (1) CERTIFICATE OF CONFORMANCE AND TEST REPORTS REQUIRED PER ATTACHMENT (2) CERTIFICATE OF COMPLIANCE REQUIRED						
ACR:						

Attachment (1)
2" Shackle Ordering Specifications
Document Number 6033ZN07

Screw Pin Anchor Shackle
Nominal Size: 2"
Minimum Working Load Limit: 35 Ton
Crosby S-209 Stock # 1018669 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 (175 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% (105,000 lbs., +5250 lbs., -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% magnetic particle (MT) inspected by the manufacturer. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1. MT acceptance criteria shall be per MIL-STD-2035A.
 - 5.1 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 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 (175 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)
2" Shackle Ordering Specifications
Document Number 6033ZN07

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 ACN 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 36KSO86008	KO S21	MATL ITEM ID 00141
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REQ DOC NO. N42158-6033ZN08	REV	CONTRACT NO.	REFERENCE DOC NO.	ATTACHMENT #	
NAME OF OFFEROR OR CONTRACTOR					
ITEM NO.	SUPPLIES/SERVICES	QTY	UNIT	UNIT PRICE	AMOUNT
0001	9B 4030 LLR160012 SHACKLE SCREW PIN ANCHOR SHACKLE 2-1/2" 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: 55 TONS MINIMUM BREAKING STRENGTH: 275 TONS SELF-COLORED, NO GALVANIZING	4	EA		
ORDERING SPECIFICATIONS PER ATTACHMENT (1) CERTIFICATE OF CONFORMANCE AND TEST REPORTS REQUIRED PER ATTACHMENT (2) CERTIFICATE OF COMPLIANCE REQUIRED					
ACR:					

Attachment (1)
2-1/2" Shackle Ordering Specifications
Document Number 6033ZN08

Screw Pin Anchor Shackle
Nominal Size: 2-1/2"
Minimum Working Load Limit: 55 Ton
Crosby S-209 Stock # 1018687 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 (275 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 or other coating is NOT allowed.
4. Shall be load tested to 150%, +5%, -0% (165,000 lbs., +8250 lbs., -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% magnetic particle (MT) inspected by the manufacturer. MT shall be performed per NAVSEA Technical Publication T9074-AS-GIB-010/271 ACN 1. MT acceptance criteria shall be per MIL-STD-2035A.
 - 5.1 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 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 Compliance 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 (275 tons).
 - 7.2 Shackles are forged and meet the technical requirements of RR-C-271 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)
2-1/2" Shackle Ordering Specifications
Document Number 6033ZN08

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 ACN 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.

CERTIFICATE OF COMPLIANCE

MATERIAL IDENTIFICATION (COMPLETE APPLICABLE ITEMS)

CONTRACT NO. _____ ORDER NO _____
ITEM NO. _____
NATIONAL/LOCAL STOCK NUMBER NSN/LSN _____
MANUFACTURER'S PART NO. _____
MANUFACTURER'S SERIAL NO. _____
DRAWING AND PIECE NO. _____
MANUFACTURER'S LOT/HEAT NOS. AS MARKED ON THE MATERIAL: _____

I ATTEST ALL ITEMS FURNISHED ON THIS CONTRACT ARE IN FULL COMPLIANCE WITH ALL CONTRACT REQUIREMENTS.

SIGNATURE _____ DATE _____
QUALITY ASSURANCE OFFICIAL
TITLE _____

THE INSPECTION AND TEST REPORTS (AS APPLICABLE) PROVIDED REPRESENT THE ACTUAL ATTRIBUTES OF THE ITEMS FURNISHED ON THIS CONTRACT AND INDICATE FULL COMPLIANCE WITH ALL CONTRACT REQUIREMENTS.

REQ'D N/A
[] [X]

SIGNATURE _____ DATE _____
QUALITY ASSURANCE OFFICIAL
TITLE _____

"NOTE": WHEN ITEM(S) HAVE BEEN SHIPPED, PLEASE COMPLETE CERTIFICATION(S) AND RETURN. THIS WILL EXPEDITE RECEIPT AND PAYMENT.

MAIL TO:

NORFOLK NAVAL SHIPYARD
BLDG. 1500, 2ND FLOOR
PORTSMOUTH, VA 23709-5000
ATTN: CODE 2305.23, EXPEDITING SECTION
DELIVER ONE (1) COPY WITH MATERIAL

ENCLOSURE (1)