



11/11/2025

Christie Lites
44 Sayer Dr
Unit B Lyons Park
Coventry UK CV59PX
Attn: Ryan Brown

RE: Chinese Pear Ring 5/8 & 7/8
CRE Project No: 25.915.06

Dear Ryan:

Clark Reder Engineering Inc. has reviewed the load test data for the attached yellow zinc alloy pear rings (5/8" and 7/8"). Five load tests of each size of alloy per ring were performed by Certified Slings and Supply, A Bishop Lifting Company. Based on the load test results the factor of safety on the average breaking strength is no less than 6:1.

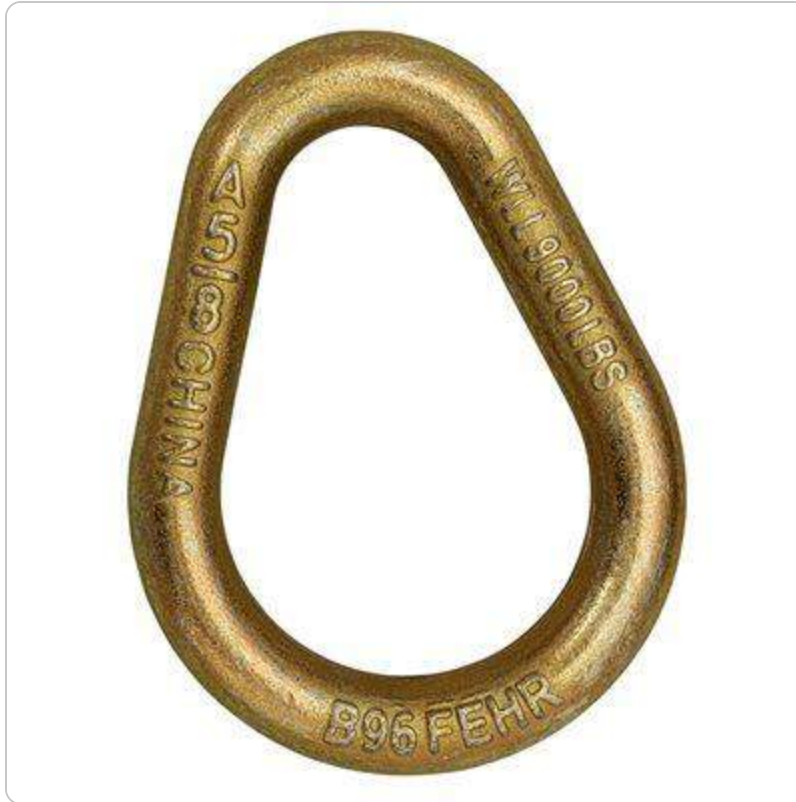
Size	Break Test (#)	Size	Break Test (#)
3/4	76030	5/8	57577
3/4	78520	5/8	55455
3/4	78020	5/8	53465
3/4	84400	5/8	55769
3/4	74950	5/8	57367
Average	78384	Average	55926.6
Published Allowable	12300	Published Allowable	9000
Factor of Safety	6.4	Factor of Safety	6.2

Please contact our office should you have any questions or require additional information.

Regards,
Clark-Reder Engineering, Inc.



Jeffrey M. Reder, P.E.



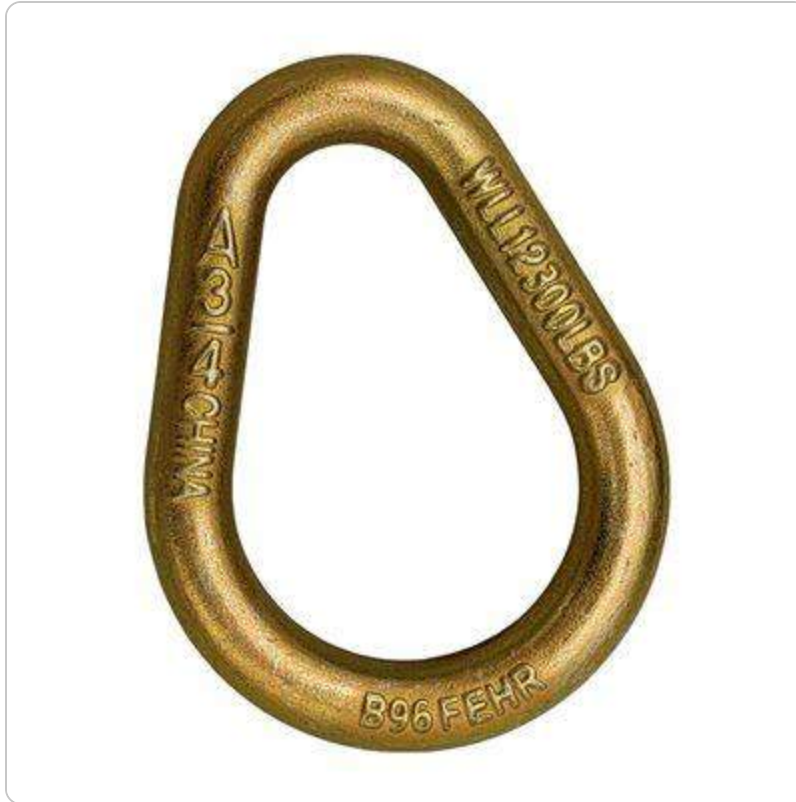
[Click to enlarge](#)

Pear Link/Sling Link - 5/8 in

[Login to View Price](#)

[Request a Quote](#)

- Product #: PL625YZ
- Working Load Limit: 9,000 lbs.
- Yellow Zinc Alloy
- Lot numbered



[Click to enlarge](#)

Pear Link/Sling Link - 3/4 in

[Login to View Price](#)

[Request a Quote](#)

- Product #: PL750YZ
- Working Load Limit: 12,300 lbs.
- Yellow Zinc Alloy
- Lot numbered



CERTIFIED SLINGS AND SUPPLY

A BISHOP LIFTING COMPANY

310 West Melody Lane
Casselberry, FL 32707
Tel: 407-331-6677
certifiedslings.com

Customer: CHRISTIE LITES ORLANDO

Address:

Customer PO #: 223554

Order #: 5122200-00

Item Serial #: 5043723

Test Date: 10/2/2025

Test Time: 8:44:32 AM

Test Item: BREAK TEST 3/4" PEAR LINK

Customer Note:

Test Report #: 10022521115

Test Type: Break test

Peak Load: 74950 lb

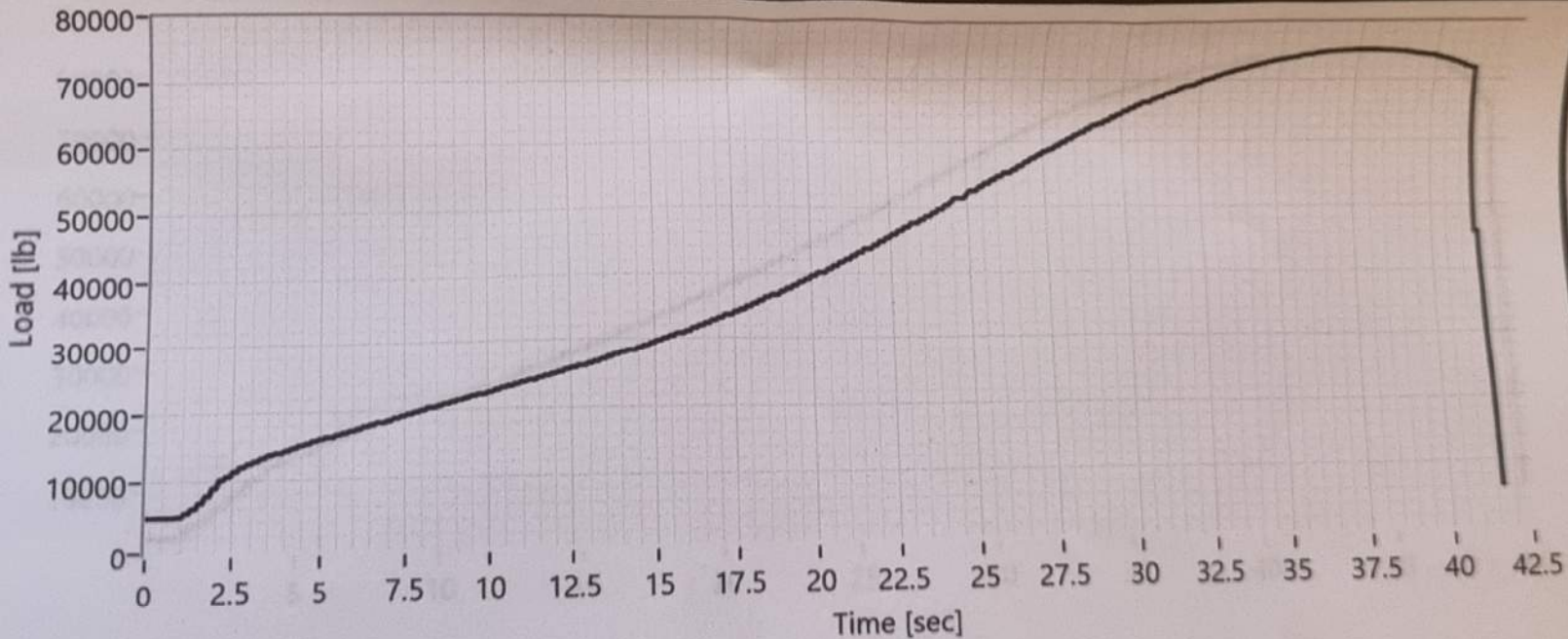
Peak Elongation: 2.31 inch

Test Duration: 00:00:41

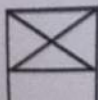
Test Standard: I.A.W. ASTM E4 +/- 1% ACCURACY

W.L.L. :

Comments: 4 OF 5



This test report proves test item held at time of test only. As of this date the lifting device described above has been found to be of acceptable condition. It is understood that this test does not preclude the necessity to perform frequent and periodic inspection in conjunction with a regular maintenance program in accordance with manufacturers specifications and/or federal, state and local guidelines. As applicable this test does not constitute a warranty or guarantee of the performance of the above equipment. Slings meet or exceed ANSI/ASME B30.9 and CFR 29 1910.184 standards. I certify that the above described lifting device has successfully completed load test I.A.W. contract or purchase order requirements and the information contained in this document is to the best of my knowledge and belief accurate and complete.



Acceptable

Not Acceptable

Test Operator:

Lauren Barwig
LAUREN BARWIG

CERTIFIED SLINGS AND SUPPLY

A BISHOP LIFTING COMPANY

310 West Melody Lane
Casselberry, FL 32707
Tel: 407-331-6677
certifiedslings.com

Customer: CHRISTIE LITES ORLANDO

Test Report #: 10022521118

Address:

Test Type: Break test

Customer PO #: 223554

Peak Load: 57367 lb

Order #: 5122200-00

Peak Elongation: 1.94 inch

Item Serial #: 5043724

Test Duration: 00:00:34

Test Date: 10/2/2025

Test Standard: I.A.W. ASTM E4 +/- 1% ACCURACY

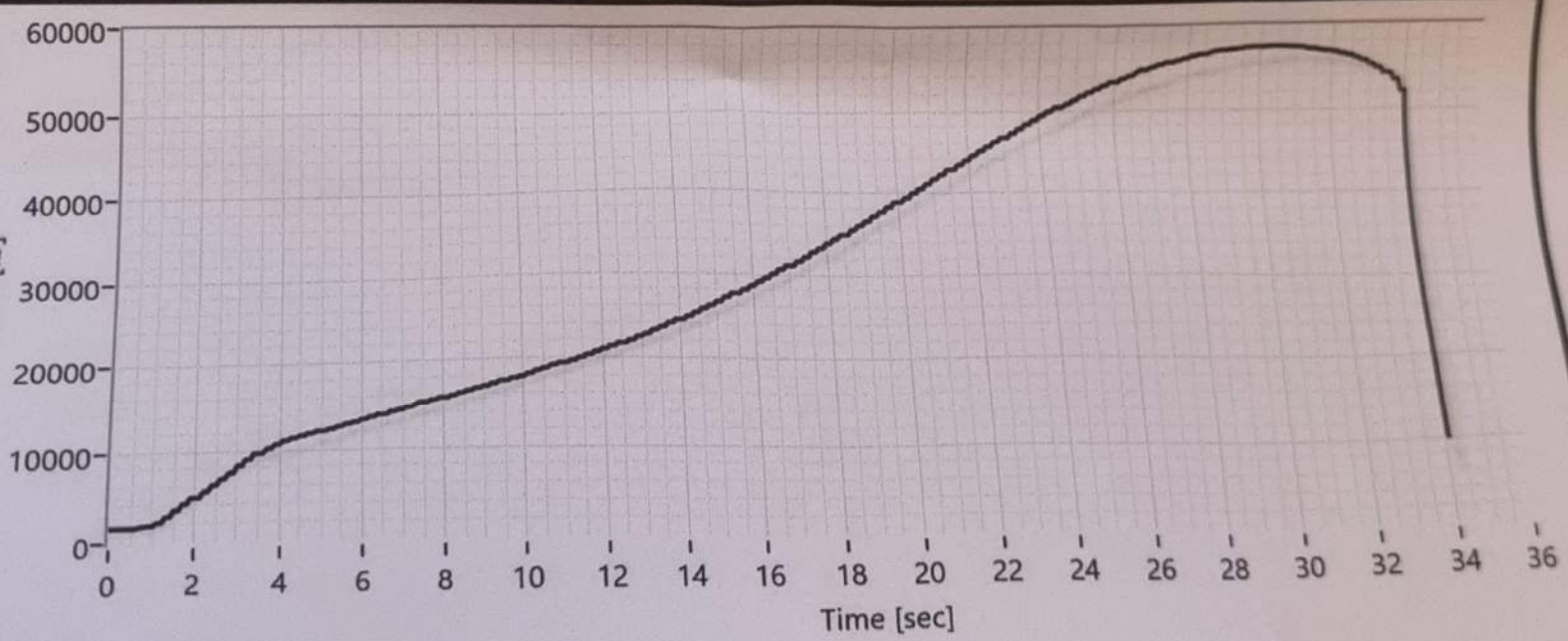
Test Time: 8:55:03 AM

W.L.L. :

Comments: 2 OF 5

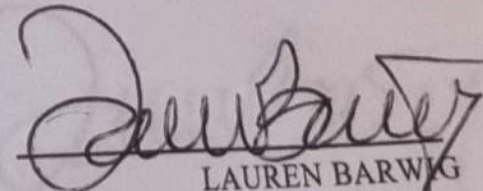
Test Item: BREAK TEST 5/8" PEAR LINK

Customer Note:



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Acceptable
 Not Acceptable

Test Operator: 
LAUREN BARWIG

CERTIFIED SLINGS AND SUPPLY

A BISHOP LIFTING COMPANY

Certified Slings & Supply

310 West Melody Lane

Casselberry, FL 32707

Tel: 407-331-6677

certifiedslings.com

Customer: CHRISTIE LITES ORLANDO

Address:

Customer PO #: 223554

Order #: 5122200-00

Item Serial #: 5043724

Test Date: 10/2/2025

Test Time: 9:01:01 AM

Test Item: BREAK TEST 5/8" PEAR LINK

Customer Note:

Test Report #: 10022521119

Test Type: Break test

Peak Load: 55769 lb

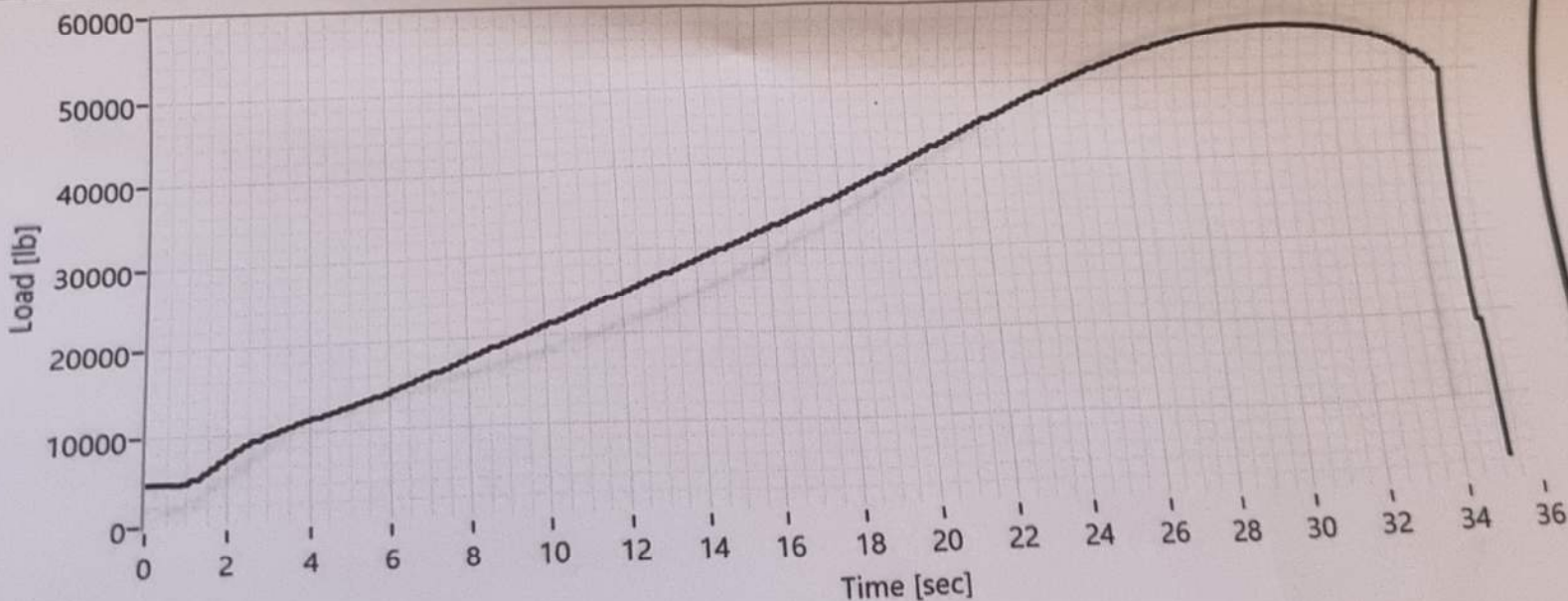
Peak Elongation: 2.02 inch

Test Duration: 00:00:35

Test Standard: I.A.W. ASTM E4 +/- 1% ACCURACY

W.L.L. :

Comments: 3 OF 5

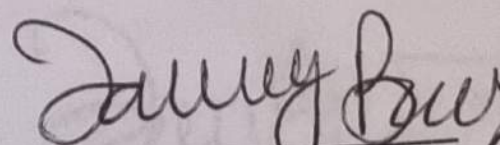


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Acceptable

Test Operator:


LAUREN BARWIG

Customer: CHRISTIE LITES ORLANDO

Address:

Customer PO #: 223554

Order #: 5122200-00

Item Serial #: 5043724

Test Date: 10/2/2025

Test Time: 9:10:23 AM

Test Item: BREAK TEST 5/8" PEAR LINK

Customer Note:

Test Report #: 10022521120

Test Type: Break test

Peak Load: 53465 lb

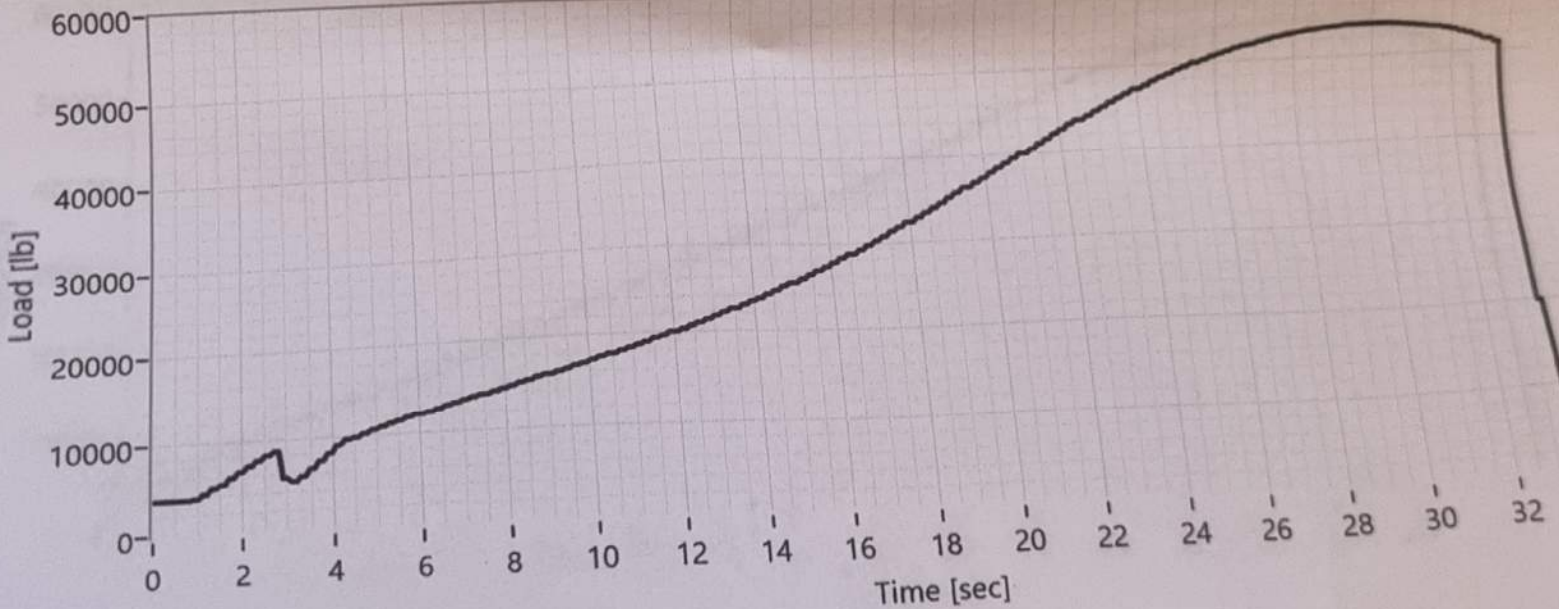
Peak Elongation: 1.9 inch

Test Duration: 00:00:33

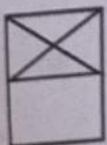
Test Standard: I.A.W. ASTM E4 +/- 1% ACCURACY

W.L.L. :

Comments: 4 OF 5



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Acceptable

Not Acceptable

Test Operator:

Lauren Barry
LAUREN BARRY

CERTIFIED SLINGS AND SUPPLY

A BISHOP LIFTING COMPANY

Certified Slings & Supply

310 West Melody Lane

Casselberry, FL 32707

Tel: 407-331-6677

certifiedslings.com

Customer: CHRISTIE LITES ORLANDO

Address:

Customer PO #: 223554

Order #: 5122200-00

Item Serial #: 5043724

Test Date: 10/2/2025

Test Time: 8:51:38 AM

Test Item: BREAK TEST 5/8" PEAR LINK

Customer Note:

Test Report #: 10022521117

Test Type: Break test

Peak Load: 55455 lb

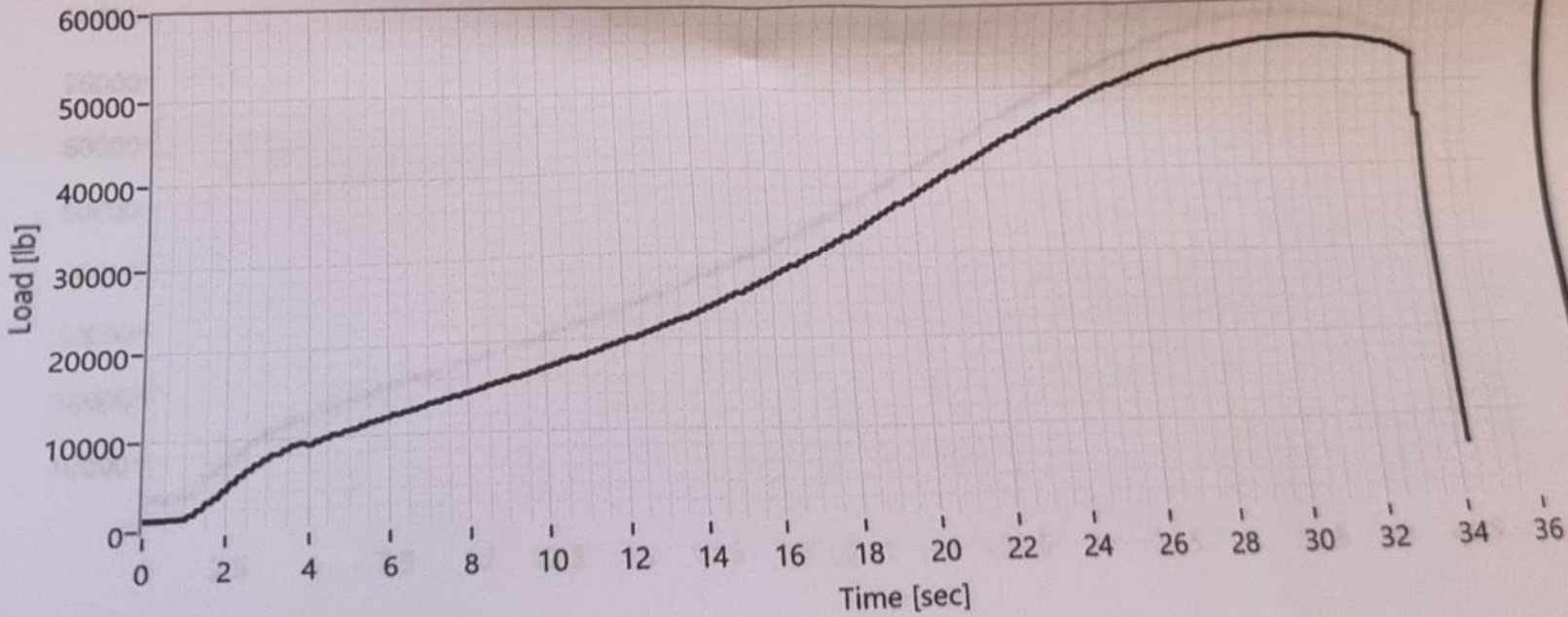
Peak Elongation: 1.94 inch

Test Duration: 00:00:34

Test Standard: I.A.W. ASTM E4 +/- 1% ACCURACY

W.L.L. :

Comments: 1 OF 5



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[Handwritten Signature]



CERTIFIED SLINGS AND SUPPLY

A BISHOP LIFTING COMPANY

Certified Slings & Supply

310 West Melody Lane

Casselberry, FL 32707

Tel: 407-331-6677

certifiedslings.com

Customer: CHRISTIE LITES ORLANDO

Address:

Customer PO #: 223554

Order #: 5122200-00

Item Serial #: 5043723

Test Date: 10/2/2025

Test Time: 8:41:26 AM

Test Item: BREAK TEST 3/4" PEAR LINK

Customer Note:

Test Report #: 10022521114

Test Type: Break test

Peak Load: 84400 lb

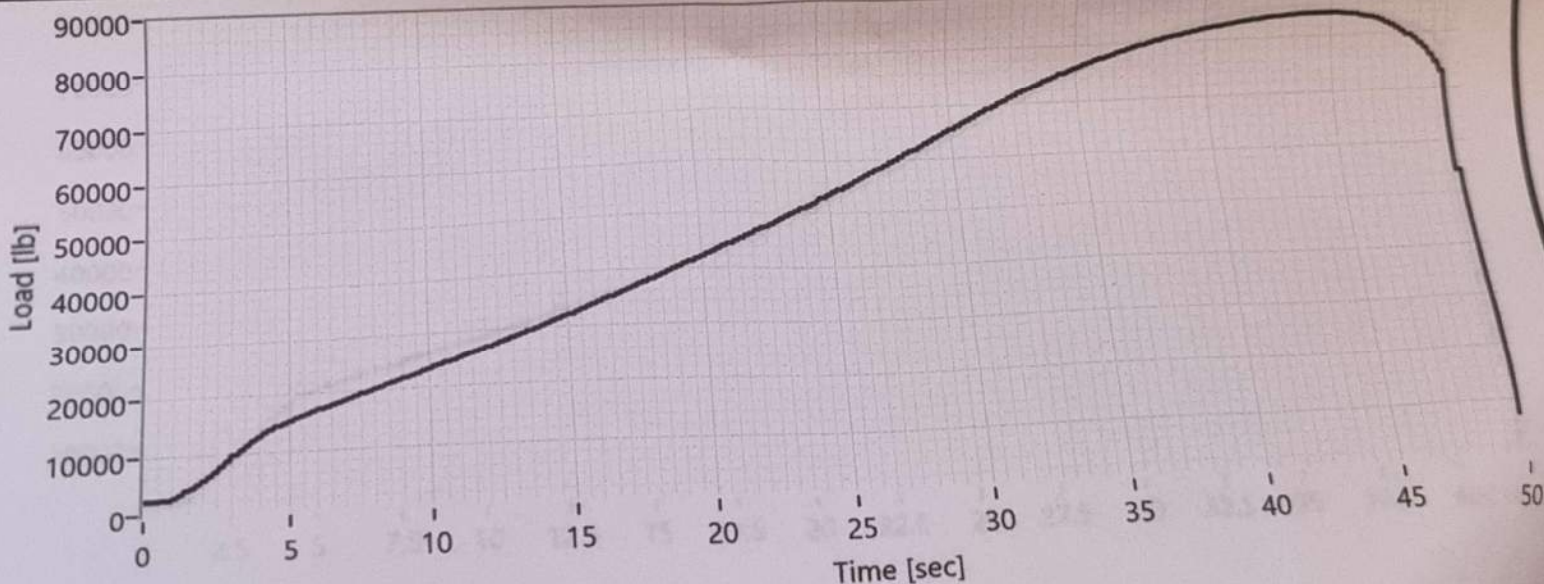
Peak Elongation: 2.79 inch

Test Duration: 00:00:49

Test Standard: I.A.W. ASTM E4 +/- 1% ACCURACY

W.L.L. :

Comments: 3 OF 5



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Acceptable
Not Acceptable

Test Operator:

Lauren Barwig
LAUREN BARWIG

CERTIFICATE OF TESTING

CERTIFIED SLINGS AND SUPPLY
A BISHOP LIFTING COMPANY

Certified Slings & Supply

310 West Melody Lane

Casselberry, FL 32707

Tel: 407-331-6677

certifiedslings.com

Customer: CHRISTIE LITES ORLANDO

Address:

Customer PO #: 223554

Order #: 5122200-00

Item Serial #: 50437230

Test Date: 10/2/2025

Test Time: 8:48:18 AM

Test Item: BREAK TEST 3/4" PEAR LINK

Customer Note:

Test Report #: 10022521116

Test Type: Break test

Peak Load: 78020 lb

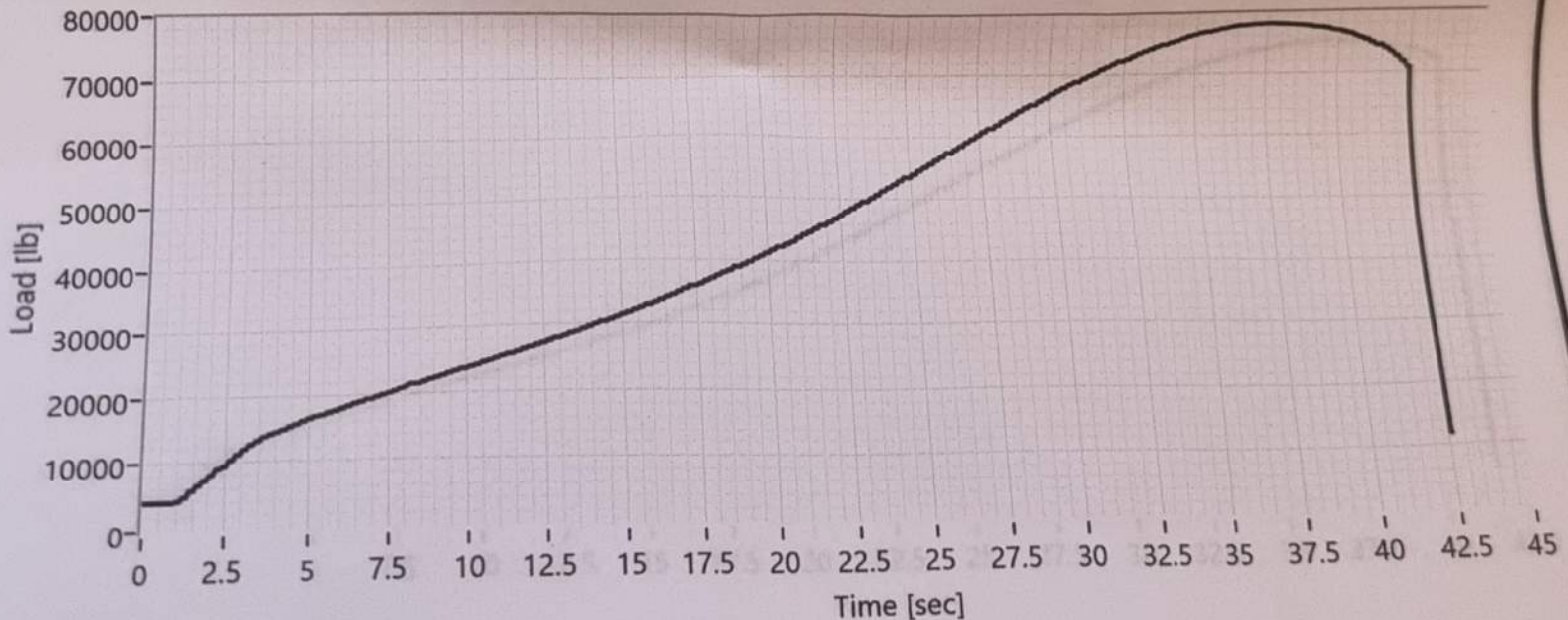
Peak Elongation: 2.18 inch

Test Duration: 00:00:42

Test Standard: I.A.W. ASTM E4 +/- 1% ACCURACY

W.L.L.:

Comments: 5 OF 5



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CERTIFIED SLINGS AND SUPPLY

A BISHOP LIFTING COMPANY

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Tel: 407-331-6677
certifiedslings.com

Customer: CHRISTIE LITES ORLANDO

Address:

Customer PO #: 223554

Order #: 5122200-00

Item Serial #: 5043724

Test Date: 10/2/2025

Test Time: 9:17:08 AM

Test Item: BREAK TEST 5/8" PEAR LINK

Customer Note:

Test Report #: 10022521121

Test Type: Break test

Peak Load: 57577 lb

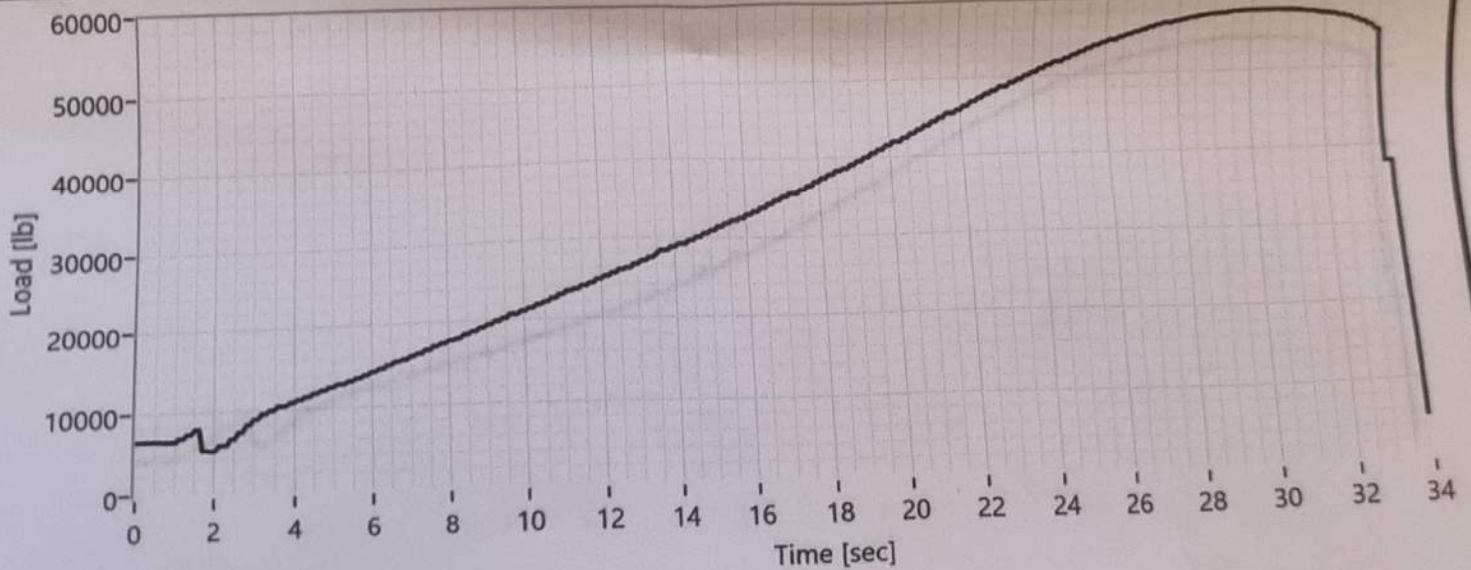
Peak Elongation: 1.9 inch

Test Duration: 00:00:34

Test Standard: I.A.W. ASTM E4 +/- 1% ACCURACY

W.L.L.:

Comments: 5 OF 5



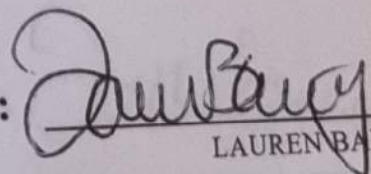
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Acceptable

Not Acceptable

Test Operator:


LAUREN BARWIG

CERTIFIED SLINGS AND SUPPLY

A BISHOP LIFTING COMPANY

310 West Melody Lane
 Casselberry, FL 32707
 Tel: 407-331-6677
 certifiedslings.com

Customer: CHRISTIE LITES ORLANDO

Test Report #: 10022521112

Address:

Test Type: Break test

Customer PO #: 223554

Peak Load: 78520 lb

Order #: 5122200-00

Peak Elongation: 4.01 inch

Item Serial #: 5043723

Test Duration: 00:01:11

Test Date: 10/2/2025

Test Standard: I.A.W. ASTM E4 +/- 1% ACCURACY

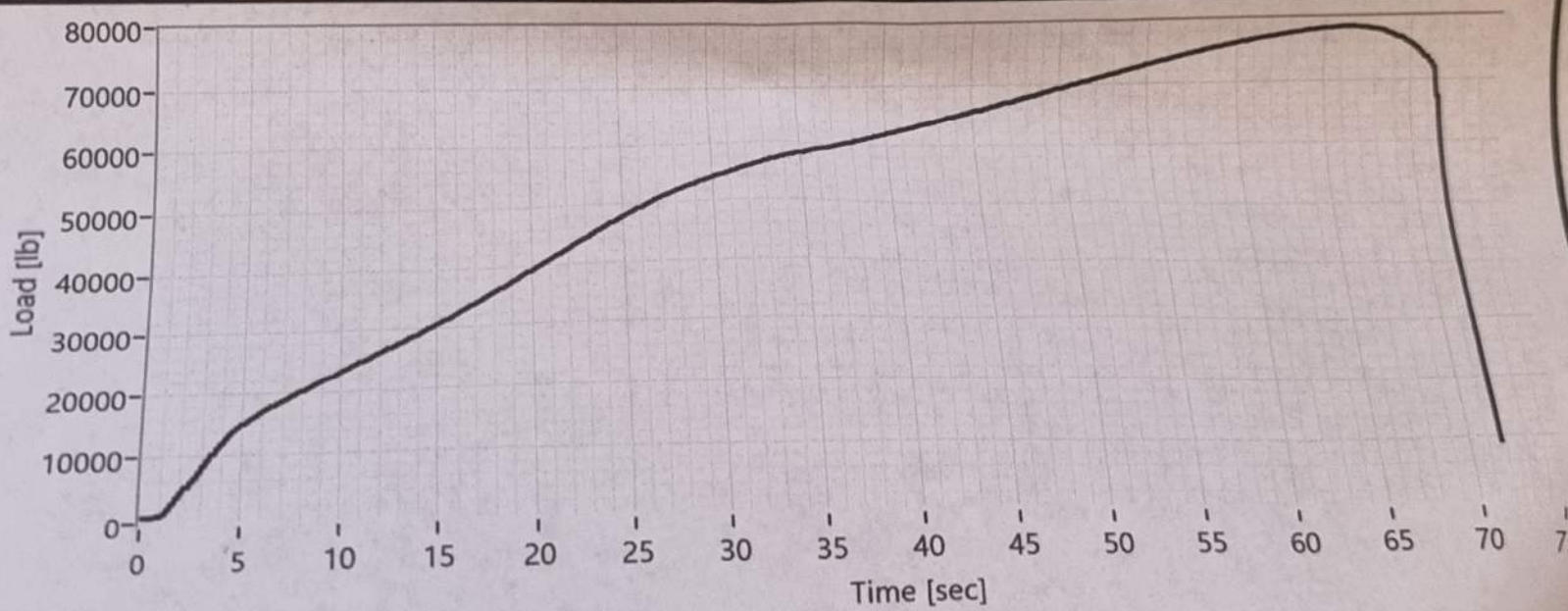
Test Time: 8:11:06 AM

W.L.L. :

Test Item: BREAK TEST 3/4" PEAR LINK

Comments: 1 OF 5

Customer Note:



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Acceptable
 Not Acceptable

Test Operator: *Lauren Barwig*
 LAUREN BARWIG

CERTIFIED SLINGS AND SUPPLY

A BISHOP LIFTING COMPANY

310 West Melody Lane
Casselberry, FL 32707
Tel: 407-331-6677
certifiedslings.com

Customer: CHRISTIE LITES ORLANDO

Address:

Customer PO #: 223554

Order #: 5122200-00

Item Serial #: 5043723

Test Date: 10/2/2025

Test Time: 8:37:45 AM

Test Item: BREAK TEST 3/4" PEAR LINK

Customer Note:

Test Report #: 10022521113

Test Type: Break test

Peak Load: 76030 lb

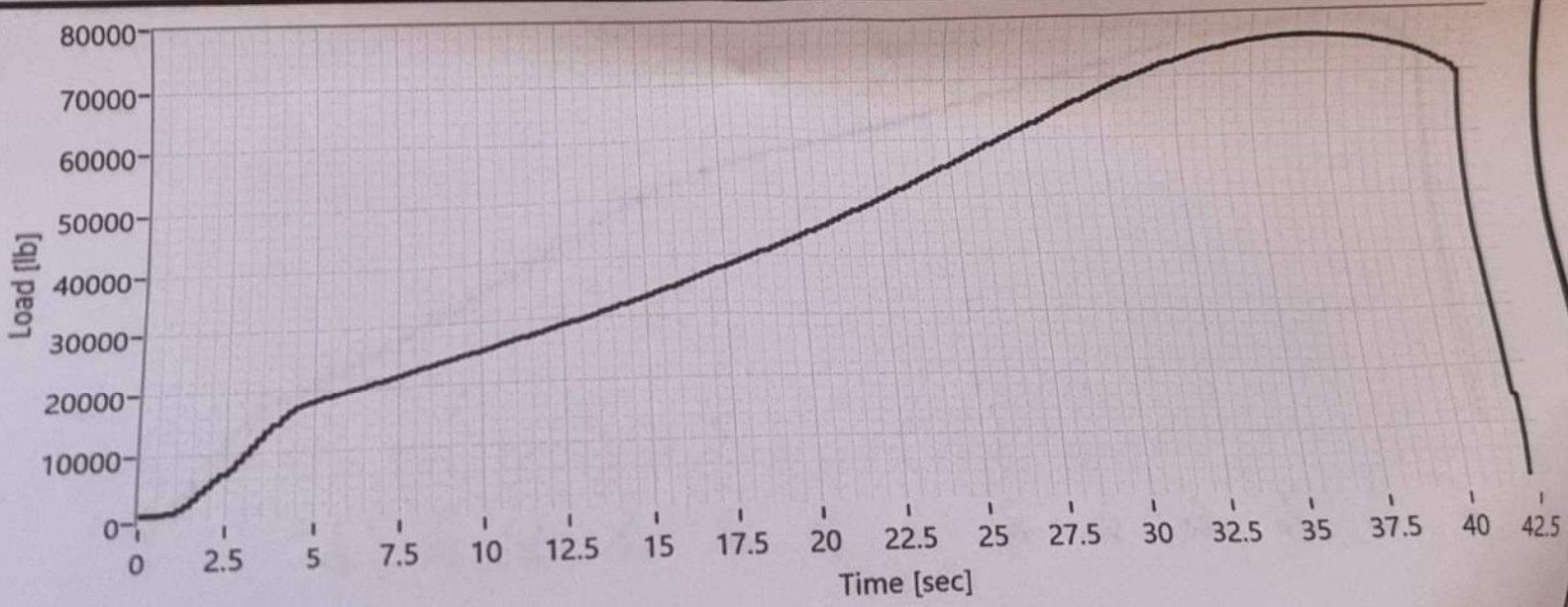
Peak Elongation: 2.35 inch

Test Duration: 00:00:42

Test Standard: I.A.W. ASTM E4 +/- 1% ACCURACY

W.L.L. :


Comments: 2 OF 5



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Acceptable
 Not Acceptable

Test Operator:


LAUREN BARWIG