



Report no.: 201363-1

Power Industry Quality Inspection and Test Center for  
Electric Power Equipment and Instruments

# Inspection Report

(Special fiber optic cable supervision station) 2013 NO.63-1

Samples name: OPGW preformed tension clamp

Samples model: BONZ-100-14.0

Manufacture: Hebei Boersen Photoelectric Equipment Technology Co., Ltd.

Clientele: Hebei Boersen Photoelectric Equipment Technology Co., Ltd.

Test Sort: Entrustment Test

21th, April, 2013

Inspection institution address: No.15 East Road of Xiaoying, Qinghe, Beijing, China

Inspection institution postcode: 100192

Inspection institution telephone: 010-62931468

Inspection institution fax: 010-62812528

Inspection institution website: [www.epri.sgcc.com.cn](http://www.epri.sgcc.com.cn)

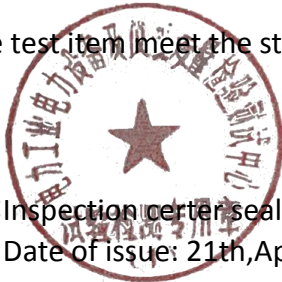

## Announcements

1. This inspection report is invalid without the official seal of the inspection center.
2. This inspection report is invalid without the signature of the lister、 main inspector、 verifier and approver.
3. This inspection report is invalid if it is altered.
4. If have any objection to this inspection report,please demur to the inspection department within 15 days from the date of receipt of the report.Beyond the time limit shall not accept it.
5. This inspection report is only responsible for the samples.
6. Partial replication of this inspection report is invalid.

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|                    |  |                      |  |
|--------------------|--|----------------------|--|
| Samples Name       | OPGW preformed tension clamp   | Manufacturing number | /  |
| Product Model      | BONL-100-14.0  | Clientele address    |  |
| Clientele          | Hebei Boersen Photoelectric Equipment Technology Co., LTD  | Sampling methods     | Clientele delivery samples                                     |
| Samples Model No.  | 201263-1   | Date of Sampling     | 8 <sup>th</sup> ,April,2013                                    |
| Samples Nos.       | 6 sets   | Date of Inspection   | 8 <sup>th</sup> ,April,2013                                    |
| Manufacture        | Hebei Boersen Photoelectric Equipment Technology Co., LTD  | Main Parameters      | Applicable for OPGW<br>Outer diameter:<br>14.0mm<br>RTS: 100KN |
| Inspection Sort    | Entrustment Inspection   |                      |  |
| Inspection Item    | 2 items  |                      |  |
| Date of Production | /  |                      |  |
| Criteria           | DL/T766-2003 《 Technical requirements and testing method of helical fittings for OPGW》   |                      |  |
| Conclusion         | <p>Base on the Inspection standard,the test item meet the standard requirements,pass.</p> <p style="text-align: right;"> <br/>                     Inspection center seal<br/>                     Date of issue: 21<sup>th</sup>,April,2013                 </p> <p>Approver: </p> |                      |  |
| Remarks            | If belong to spot check,should mark: sampling entity 、 sampling basic number、 date of sampling.  |                      |  |

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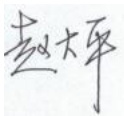
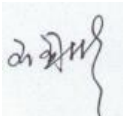
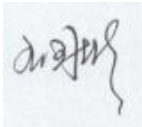
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Inspection item and result:

| Item no. | Test item  | Test result | Page |
|----------|--|-------------|------|
| 1        | Appearance and dimension check                       | Pass        | 3    |
| 2        | Preformed tension clamp<br>mechanical breakdown test | Pass        | 3    |

Main inspection instrumentation:

| Instrumentation name                               | Specification | Product no. |
|--|---------------|-------------|
| 1000KN Horizontal tensile<br>strength test machine | 1000KN        | 5786        |
| Tensile sensor                                     | BK-1          | 5802.5      |
| Hygrothermograph                                   | /             | GL03015     |

Verifier:  main inspector:  Lister: 

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### 1. Appearance and dimension check

| Item no. | Test item  | Standard and requirement  | Test result  | Conclusion |
|----------|--|---|--|------------|
| 1        | Preformed tension clamp appearance and dimension check | Appearance、length、 size etc. should conforms to the design requirements | Surface smooth,no crack、folding and scab etc. defect; total length、 rods diameter、 length、 size etc. Conforms to the design requirements | Pass       |

### 2. Preformed tension clamp mechanical breakdown test

| Item no. | Test item                                    | Standard and requirement (KN) | Actual value(KN) | Test situation                                | Conclusion |
|----------|--|-------------------------------|------------------|---|------------|
| 2        | Preformed tension clamp mechanical breakdown | $\geq 95.0$<br>(95%RTS)       | 101.2            | Broken the end of the preformed tension clamp | Pass       |
|          |  |                               | 97.17            | Preformed tension clamp slip                  |            |
|          |  |                               | 95.94            | Preformed tension clamp slip                  |            |

Date of Inspection: 8<sup>th</sup>,April, 2013