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TEST CERTIFICATE — EAR-CONTROLLED DATA

P.O. No.: 10525
 Report No.: TOO002-18-05-79021-1R1
 Date Received: 5/29/2018
 Report Date: 6/6/2018

Report Delivered Via: rgalbally@vecturasales.com
 Attachments: None

Work Requested: Report Revised 07-02-2018: Corrected spelling of specimen IDs.
 Tensile testing of E-Z Lok threaded inserts.

Mechanical Test Results

| | |
|----------------------------|--|
| Test Method | ASTM E8/E8M-16a |
| Testing Note | Inserts tested using customer supplied test bolts. For each set of specimens, the test bolt broke. |
| Test Speed (in/min) | 0.375 |

| Specimen | Peak Load (lbf) |
|----------------------------------|-----------------|
| 6-32 E-Z Lok/ Aluminum block | A 1,750 |
| | B 1,740 |
| | C 1,660 |
| 10-32 E-Z Lok/ Aluminum block | A 3,870 |
| | B 3,860 |
| | C 3,880 |
| 8-32 E-Z Lok/ Aluminum block | A 2,560 |
| | B 2,680 |
| | C 2,670 |
| 1/4-20 E-Z Lok/ Aluminum block | A 4,980 |
| | B 5,140 |
| | C 5,170 |
| 5/16-18 E- Z Lok/ Aluminum block | A 8,570 |
| | B 8,590 |
| | C 8,800 |
| 3/8-16 E- Z Lok/ Aluminum block | A 12,510 |
| | B 12,710 |
| | C 12,710 |
| 7/16-14 E- Z Lok/ Aluminum block | A 18,320 |
| | B 18,190 |
| | C 18,030 |

Respectfully submitted

Nicholas Piowar
 Technical Services Representative, (248) 560-4013

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Mechanical Test Results

| | |
|----------------------------|---|
| Test Method | ASTM E8/E8M-16a |
| Testing Note | Inserts tested using customer supplied test bolts. For each set of specimens, the test bolt broke. |
| Test Speed (in/min) | 0.375 |

| Specimen | | Peak Load (lbf) |
|---------------------------------|---|-----------------|
| 1/2-13 E- Z Lok/ Aluminum block | A | 23,690 |
| | B | 23,580 |
| | C | 23,870 |
| 5/8-11 E- Z Lok/ Aluminum block | A | 37,150 |
| | B | 37,430 |
| | C | 37,100 |

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Respectfully submitted

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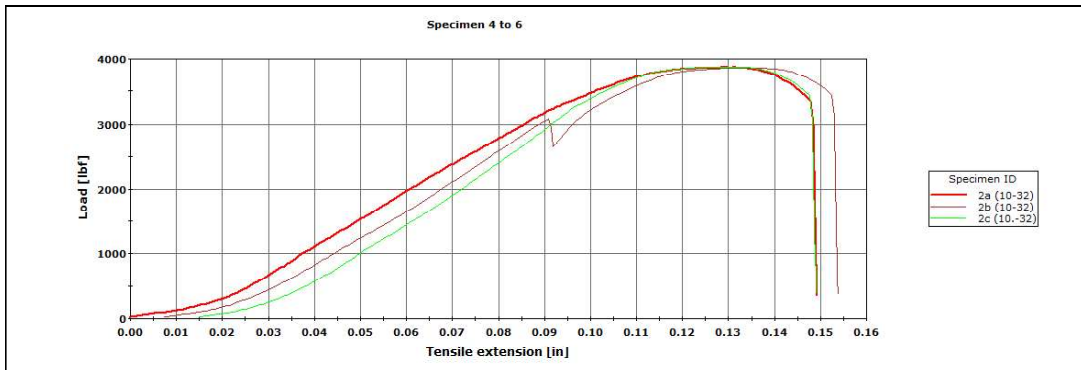
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| Sample ID | Description |
|-------------------------------|-------------------------|
| 10-32 E-Z Lok/ Aluminum block | Load vs. Position Curve |

Respectfully submitted

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