|  |  |
| --- | --- |
| LOGO2LIN | **Rotational Capacity Test Worksheet** |
|  |
| The test procedure, as detailed in Section 500 of the Construction Manual, should be | County       |
| followed when filling out this form. One worksheet shall be filled out for each |
| rotational capacity lot number used on the project. | Section       |
|  |
|  | Route       |
|  | District       |
| 1. Bolt Grade: [ ]  A325 [ ]  A490 | Contract No.       |
|  | Job No.       |
| 2. Assigned R-C LOT NUMBER: |       |  |
|  | Project       |
|  |
|  |
|  |
|  |
|  |
|  | Bolt |  | Nut |  | Washer |
|  |
| 3. Manufacturer: |       |  |       |  |       |
|  |
|  Lot Number: |       |  |       |  |       |
|  |
| 4. Bolt Diameter: |       | Inch |  | Bolt Length: |       | Inches |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Sample I** | **Sample II** |  |
|  |  |  |  |
| 5. Measured Tension |  |       | kips |  |       | kips |  |
|  |  |  |  |
| 6. Measured Torque |  |       | ft - lbs |  |       | ft - lbs |  |
|  |  |  |  |
| 7. Maximum Permitted Torque (see back) |  |       | ft - lbs |  |       | ft - lbs |  |
|  |  |  |  |
|  | [ ]  OK | [ ]  OK |  |
| after twice the installation rotation: |  |  |  |
|  |  |  |  |
| 8. Measured Tension |  |       | kips |       | kips |  |
|  |  |  |  |
| 9. Minimum Tension (see back) |  |       | kips |       | kips |  |
|  |  |  |  |
|  | [ ]  OK | [ ]  OK |  |
| 10. Verify Thread Condition | [ ]  OK | [ ]  OK |  |
|  |  |  |  |
|  |
| Tested by: |       |  |
|  |
| Witnessed by: |       |  |
|  |
| Date: |       |  | Location: |       |  |

BC 2320 (6/96)

**Rotational Capacity Maximum Torque** (step 7 on front side)

|  |  |  |
| --- | --- | --- |
|  | **3/4 Inch** | **7/8 Inch** |
|  | Tension | Torque | Tension | Torque |
|  | kips | ft-lbs | kips | ft-lbs |
|  | 28 | 437 | 39 | 711 |
|  | 29 | 453 | 40 | 729 |
|  | 30 | 469 | 41 | 747 |
|  | 31 | 484 | 42 | 766 |
|  | 32 | 500 | 43 | 784 |
|  | 33 | 516 | 44 | 802 |
|  | 34 | 531 | 45 | 820 |
|  | 35 | 547 | 46 | 839 |
|  | 36 | 562 | 47 | 857 |
|  | 37 | 578 | 48 | 875 |
|  | 38 | 594 | 49 | 893 |
|  | 39 | 609 | 50 | 911 |
|  | 40 | 625 | 51 | 930 |
|  | 41 | 641 | 52 | 948 |
|  | 42 | 656 | 53 | 966 |
|  | 43 | 672 | 54 | 984 |
|  | 44 | 688 | 55 | 1003 |
|  | 45 | 703 | 56 | 1021 |
|  | 46 | 719 | 57 | 1039 |
|  | 47 | 734 | 58 | 1057 |
|  | 48 | 750 | 59 | 1076 |
|  | 49 | 766 | 60 | 1094 |
|  | 50 | 781 | 61 | 1112 |
|  | 62 | 1130 |
|  | 63 | 1148 |
|  | 64 | 1167 |
|  | 65 | 1185 |

**Minimum Measured Tension** (step 9 on front side)

|  |  |  |
| --- | --- | --- |
|  | A325 bolt | A490 bolt |
|  | 3/4 inch | 32 | 40 |
|  | 7/8 inch | 45 | 56 |