### Specifications

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<tbody>
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**Accuracy** +/3%+1digit

**Note:** Contact Tohnichi for any other torque range of product.

### Communication Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Transmitter</th>
<th>Receiver</th>
<th>Setting box</th>
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<tbody>
<tr>
<td>FD</td>
<td>FDD</td>
<td>R-FHD256</td>
<td>SB-FH256</td>
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</tbody>
</table>

- **Frequency:** 2.402GHz-2.479GHz, 1 MHz interval, 78 kinds
- **Communication System:** Spread spectrum (Frequency Hopping Spread Spectrum)
- **Modulation System:** GFSK
- **Group channel:** 256 (000-255)
- **Input/Output:** 3-digits (000-999), 7-digits (alphanumeric)
- **Power Supply:** AAA nickel hydride/Alkaline batteries x 2, AC100V-240V, DCSF alkaline battery x 1
- **Antenna:** Chip antenna, Dipole antenna
- **Temperature in Use:** 0 - 45°C
- **Communication Distance:** 10 to 20 m
- **LCD Display:** Torque 3-digits, torque unit, battery level 4 steps
- **LED Display:** Blinks in Blue: Judgment OK, Blinks in Red: Communication error, Turns on in Red: Judgment NG

**Note:** Contact Tohnichi for conditions of wireless certification acquisition for each country.

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**CSPFD/FDD**

- **Click Wrench with Wireless Torque Value Data Transfer**
- **Transfer and Track all your hand tightened torque values**
- **Compact transmitter module with large LED light for judgment**
- **AAA battery operation**
- **FDD Model features double tightening detection**

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**Contact Tohnichi TV:**

https://www.youtube.com/c/TohnichiTV

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**Preset type Data Transfer Wireless Torque Wrench**

**CSPFD/FDD**

**Features**

- **Transfer actual applied torque data by wireless transmission.**
  Robust click type torque wrench is ideal for quick paced assembly.

- **Power-saving design, 24 hours of continuous operation**
  Easy battery management using AAA battery.

- **LED Light offers simple visual judgment**
  Blue light indicates a good judgment while red alerts the user to a NG judgment.

- **Parameter setting software**
  Free setting software is provided in Japanese, English, Chinese version.
  * Setting box, PC, RS232C cable are required separately

- **Double Tightening Detection function Model: CSPFDD**
  If the same fastener is tightened twice the second tightening data will be rejected.

**Configuration example (OK/NG Judgment by external equipment)**

- **Actual Applied Torque Management**
  - **Tightening data**
  - **Data receive**
  - **Answer back**
  - **CSPFD/FDD Blue LED lights on: Torque OK**
  - **CSPFD: Red LED lights on: Torque NG**
  - **FDD: Douwble tightening/Torque NG**
  - **CSPFD/FDD Red LED blinks: Communication error**
  - **OK/NG Judgment**
  - **OK, Hi/Lo NG**
  - **Reset input**
  - **External equipment**
  - **RS232C**
    - Gr, 3-digits ID, Torque value, 7-digits ID
  - **PC/PLC**

**Completion of tightening process with Blue signal**

**LED lamp is lit Red when tightening same bolt which already tightened with required torque.**

**Variety of interchangeable head**

- Selectable suitable interchangeable head for each application.

**Special type is also available on your request**

**Capable of tool management by torque wrench tester**

- Accuracy traceability with calibration by using standard torque wrench tester.

**Standard accessory:**
- NJC-24-10PM plug
- *Cable is not included.
- Protective cover: FD-PCV for FD/FDD

**Optional accessory**
- Adjusting Tool

**Parameter Setting Software**

**Parameter Setting Software**

**SB-FH256 Ver.V01A**

**RS232C**

**CSPFD25N3X10D with QH10D**

**CSPFD50N3X12D with QH12D**

**Transfer actual applied torque data by wireless transmission.**

- Robust click type torque wrench is ideal for quick paced assembly.

**Power-saving design, 24 hours of continuous operation**

- Easy battery management using AAA battery.

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- Adjusting Tool
**Preset type Data Transfer Wireless Torque Wrench CSPFD/FDD**

### Features

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- **Double Tightening Detection function Model: CSPFDD**
  If the same fastener is tightened twice the second tightening data will be rejected.

### Torque Tightening Monitoring System

#### Configuration example (OK/NG Judgment by external equipment)

1. **Actual Applied Torque Management**
   - Tightening data
   - Data receive
   - OK/NG Judgment
   - Answer back
   - I/O Terminal
   - CSPFD/FDD Blue LED lights on: Torque OK
   - CSPFD: Red LED lights on: Torque NG
   - FDD: Double tightening/Torque NG
   - CSPFD/FDD Red LED blinks: Communication error

2. **Parameter setting software**
   Free setting software is provided in Japanese, English, Chinese version.
   * Setting box, PC, RS232C cable are required separately

3. **Double Tightening Detection function Model: CSPFDD**
   If the same fastener is tightened twice the second tightening data will be rejected.

4. **Special type is also available on your request**
   MQSPFD Marking with data transfer type

5. **Capable of tool management by torque wrench tester**
   Accuracy traceability with calibration by using standard torque wrench tester.

### Optional accessory

- Protective cover: FD-PCV for FD/FDD

### Standard accessory

- NJC-24-10PM plug
  *Cable is not included.

### Part No. Applicable Models

- CSPFD-50N3 - 280N3
- CSPFD50N3931
- CSPFD50N3930

### Parameter setting software

- Parameter Setting Software
- RS232C

### Power-saving design, 24 hours of continuous operation

- Transfer actual applied torque data by wireless transmission.
- Robust click type torque wrench is ideal for quick paced assembly.

### LED Light offers simple visual judgment

- Blue light indicates a good judgment while red alerts the user to a NG judgment.

### Parameter setting software

- Free setting software is provided in Japanese, English, Chinese version.
  * Setting box, PC, RS232C cable are required separately

### Double Tightening Detection function Model: CSPFDD

- If the same fastener is tightened twice the second tightening data will be rejected.

### Special type is also available on your request

- MQSPFD Marking with data transfer type

### Capable of tool management by torque wrench tester

- Accuracy traceability with calibration by using standard torque wrench tester.

### Optional accessory

- Protective cover: FD-PCV for FD/FDD

### Part No. Applicable Models

- CSPFD-50N3 - 280N3
- CSPFD50N3931
- CSPFD50N3930
CSPFD/FDD

Click Wrench with Wireless Torque Value Data Transfer

- Transfer and Track all your hand tightened torque values
- Compact transmitter module with large LED light for judgment
- AAA battery operation
- FDD Model features double tightening detection

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>No.1</th>
<th>No.2</th>
<th>No.3</th>
<th>No.4</th>
<th>No.5</th>
<th>No.6</th>
<th>No.7</th>
<th>No.8</th>
<th>No.9</th>
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<td>1.5-2</td>
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<td>1.0</td>
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<td>CSPFD5000N/100</td>
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<td>10</td>
<td>1.5-2</td>
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<tr>
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<td>1.5-2</td>
<td>3.0-4</td>
<td>0.2</td>
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Contact Tohnichi for any other torque range of product, Communication Specifications

- Frequency: 2.402GHz-2.475GHz, 1 MHz interval, 78 kinds
- Communication System: Spread spectrum (Frequency Hopping Spread Spectrum)
- Modulation System: GFSK
- Group channel: 256 (000-255)
- ID: 3-digits (000-999), 7-digits (alphameric)"