

# MNTD

Marking Torque Screwdriver

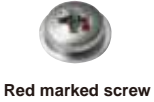
Direction



MNTD120CN



MNTD500CN



Blue MNTD Marker



Auxiliary Tightening Tool for MNTD500CN



1601 MNTD Bit

1611 MNTD Bit

Assembly Preset ISO6789:2003

- Non-rotary preset type marking torque screwdriver
- Total 7 types of phillips and hexagon bits available
- Marking screws as torque is achieved

Accuracy ±3%

| Model     | Torque Range     |                    |                    | Overall Length [mm] | Weight [g] |
|-----------|------------------|--------------------|--------------------|---------------------|------------|
|           | [cN·m] Min.-Max. | [kgf·cm] Min.-Max. | [lbf·in] Min.-Max. |                     |            |
| MNTD120CN | 40-120           | 4-12               | 4-10               | 150                 | 210        |
| MNTD260CN | 100-260          | 10-26              | 10-22              | 152                 | 315        |
| MNTD500CN | 200-500          | 20-50              | 20-40              | 168                 | 365        |

- Note**
1. MNTD special designed bits and markers are sold separately.
  2. Tester is required to set/change a torque value.
  3. MNTD is not applicable with hexagon socket set screws.
  4. Dark colored screws might not be suitable to detect MNTD marking.

**Standard Accessories** Green resin grip for 120CN and 260CN. Auxiliary tightening tool for 500CN

## MNTD Optional Accessories

### MNTD Plus Bit

| Part # | Model       | Applicable Screw/Ref. |
|--------|-------------|-----------------------|
| 1601   | MNTD #1 bit | M2.5, (M3)            |
| 1602   | MNTD #2 bit | M3, M4, M5            |
| 1603   | MNTD #3 bit | M6                    |

### MNTD Hex Bit

| Part # | Model         | Applicable Screw/Ref. |
|--------|---------------|-----------------------|
| 1611   | MNTD W2.5 bit | M3                    |
| 1612   | MNTD W3 bit   | M4                    |
| 1613   | MNTD W4 bit   | M5                    |
| 1614   | MNTD W5 bit   | M6                    |

- Note**
1. Tohnichi special designed bit is required for MNTD.
  2. Applicable for screw that head diameter is over ø 5.5mm. Unavailable to hexagon set screws.
  3. In M3 screw, only binding head screw is applicable.

### MNTD Marker

| Part # | Model                        |
|--------|------------------------------|
| 1621   | MNTD Marker Red 10 pcs/set   |
| 1622   | MNTD Marker Red 100 pcs/set  |
| 1623   | MNTD Marker Blue 10 pcs/set  |
| 1624   | MNTD Marker Blue 100 pcs/set |

- Note**
1. It is a disposable marker.
  2. 1 pc of marker are capable of 1000 marking operations.

### Preset Hook Spanner for MNTD

| Part # | Applicable Model |
|--------|------------------|
| 52     | MNTD120CN        |
| 53     | MNTD260CN        |
| 54     | MNTD500CN        |

**Note** To set/change torque value.

# RTDLS/RNTDLS

Direction

Rotary Slip Type Torque Screwdriver with Limit Switch



RTDLS120CN



RNTDLS120CN

Assembly ISO6789:2003

- RTD/RNTD style with Limit Switch output
- Wired Error-Proofing, Pokayoke, system for assembly processes

Accuracy ±3%

| S.I. Model  | Torque Range [cN·m] |       | Metric Model | Torque Range [kgf·cm] |       | American Model | Torque Range [lbf·in] |       | Overall Length [mm] | Weight [g] |
|-------------|---------------------|-------|--------------|-----------------------|-------|----------------|-----------------------|-------|---------------------|------------|
|             | Min.-Max.           | Grad. |              | Min.-Max.             | Grad. |                | Min.-Max.             | Grad. |                     |            |
| RTDLS120CN  | 20-120              | 1     | 12RTDLS      | 2-12                  | 0.1   | RTDLS10I       | 2-10                  | 0.1   | 184                 | 340        |
| RTDLS260CN  | 60-260              | 2     | 26RTDLS      | 6-26                  | 0.2   | RTDLS22I       | 6-22                  | 0.2   | 201                 | 450        |
| RTDLS500CN  | 100-500             | 5     | 50RTDLS      | 10-50                 | 0.5   | RTDLS40I       | 10-40                 | 0.5   | 212                 | 540        |
| RNTDLS120CN | 40-120              | -     | -            | 4-12                  | -     | -              | 4-10                  | -     | 166                 | 320        |
| RNTDLS260CN | 100-260             | -     | -            | 10-26                 | -     | -              | 10-22                 | -     | 167                 | 390        |
| RNTDLS500CN | 200-500             | -     | -            | 20-50                 | -     | -              | 20-40                 | -     | 175                 | 480        |

- Note**
1. Bits are sold separately. Refer to page 10.
  2. RNTDLS models are required a torque driver tester for torque setting. Specify required torque when you order. Ex. RNTDLS120CN x 100cN·m
  3. Limit switch specifications AC30V below 1A, DC30V below 1A
  4. Female connector for LS cable is sold separately. Part# WA5219K.

## POKA Patrol, Count Checker CNA-4mk3



Refer to page 27.

\* Sold separately

# RTDFH/RNTDFH

Direction

Rotary Slip Type Pokayoke Torque Screwdriver



RTDFH120CN

RNTDFH120CN

Assembly ISO6789:2003

- Torque screwdriver with wireless error-proofing, Pokayoke, function
- High reliable FHSS technology with universal 2.4GHz frequency band

Accuracy ±3%

| S.I. Model  | Torque Range [cN·m] |       | Metric Model | Torque Range [kgf·cm] |       | American Model | Torque Range [lbf·in] |       | Overall Length [mm] | Weight [g] |
|-------------|---------------------|-------|--------------|-----------------------|-------|----------------|-----------------------|-------|---------------------|------------|
|             | Min.-Max.           | Grad. |              | Min.-Max.             | Grad. |                | Min.-Max.             | Grad. |                     |            |
| RTDFH120CN  | 20-120              | 1     | 12RTDFH      | 2-12                  | 0.1   | RTDFH10I       | 2-10                  | 0.1   | 184                 | 280        |
| RTDFH260CN  | 60-260              | 2     | 26RTDFH      | 6-26                  | 0.2   | RTDFH22I       | 6-22                  | 0.2   | 201                 | 380        |
| RTDFH500CN  | 100-500             | 5     | 50RTDFH      | 10-50                 | 0.5   | RTDFH40I       | 10-40                 | 0.5   | 212                 | 490        |
| RNTDFH120CN | 40-120              | -     | -            | 4-12                  | -     | -              | 4-10                  | -     | 166                 | 260        |
| RNTDFH260CN | 100-260             | -     | -            | 10-26                 | -     | -              | 10-22                 | -     | 167                 | 320        |
| RNTDFH500CN | 200-500             | -     | -            | 20-50                 | -     | -              | 20-40                 | -     | 175                 | 430        |

- Note**
1. RTDFH/RNTDFH are ESD/Electro Static discharge.
  2. Refer to page 30 for receiver and setting box.
  3. Contact to Tohnichi for condition of wireless equipment in each country.
  4. Auxiliary tightening tool for RTDFH/RNTDFH500CN is part # 32.

**Standard Accessories** Adjusting handle : RTDFH500CN and RNTDFH500CN

## Receiver R-FH256



Refer to page 29 for wireless Pokayoke system configuration.

\*Sold separately

## POKA Patrol, Count Checker CNA-4mk3



Refer to page 27.

\* Sold separately

### Transmitter Specifications

|                        |   |
|------------------------|---|
| Model                  | RTDFH/RNTDFH  |
| Frequency Band         | 2.4GHz band (2.402GHz~2.479GHz, 1MHz interval 78ch) |
| Communication System   | Spread spectrum (FHSS)                              |
| Modulation System      | GFSK  |
| Modulation Rate        | 1Mbps   |
| Group Channel          | Gr 000~255  |
| ID                     | 3 digit (000~999), 7 digit (alphanumeric)           |
| Input/Output           | -   |
| Power[V]               | DV3V(CR2032)  |
| Antenna                | Chip Antenna  |
| Display                | LED   |
| Operating Temperature  | 0~45 °C   |
| Communication Distance | approx. 10~20m                                      |