

# Wireless Torque Screwdriver – RTDFH / RNTDFH



Fig.: RTDFH-120CN

- ▶ Poka Yoke (error detection/prevention)
- ▶ Uses feedback system for operator to verify communication status.
- ▶ Transmission/reception range 20-30 m (from production date March 2024).
- ▶ GFSK modulation, 2.4 GHz band, 1 MHz spacing, 78 channels, frequency hopping.
- ▶ Works with standard bits (1/4" hex E6.3)
- ▶ Accuracy ± 3%
- ▶ Calibration compliant with **EN ISO 6789**.
- ▶ **Battery alarm:** Can monitor the voltage of the transmitter battery. Warns if the voltage falls below the set value (only when operating in the new communication mode).
- ▶ **Maintenance alarm function:** Warning signal is output/displayed after the set number of screws, e.g. for due maintenance, calibration or similar.

## Rotary Slip Clutch

**INFO**

A clear "rotary" shake signals tightening completion upon reaching the set torque. The shock repeats if tightening is continued after reaching the set torque.

Because user can tighten no further than the set torque, over-torquing is completely prevented.

## Remote Signal Rotary Slip Torque Screwdriver

Wireless, and designed to prevent human tightening errors. When set torque is achieved the toggle activates, and at the same time a wireless tightened-to-completion signal is transmitted.

When data is received as normal, the answerback function results in the **blue** LED indicator glowing. When data is received as abnormal, the feedback function results in the **red** LED indicator glowing.

The Receiver R-CM has proven effectiveness for use with the wireless Pokayoke (error-proofing) FH torque wrench. A system combining use of a wireless Pokayoke (error-proofing) torque wrench and a wireless Pokayoke torque screwdriver can be built at low cost.

The IDs of four torque screwdrivers can be verified by one receiver (when using the I/O-CM multi-box). This makes it easy to establish an error-proof system with the count checker CNA-4mk3.

Upgraded products placed on the market in March 2024. Wireless communication range is from 20 to 30 meters (approximate), when in new communication mode. Battery life has significantly improved, from 300,000 to 550,000 shots.

## Optional components

- AC power supply BA-8R for connecting R-CM to AC 100-240 Volts.
- Multi-contact I/O box IO-CM doubles the input/output possibilities of receiver R-CM.

When torque is judged as OK, it feedbacks by blue LED indicator.



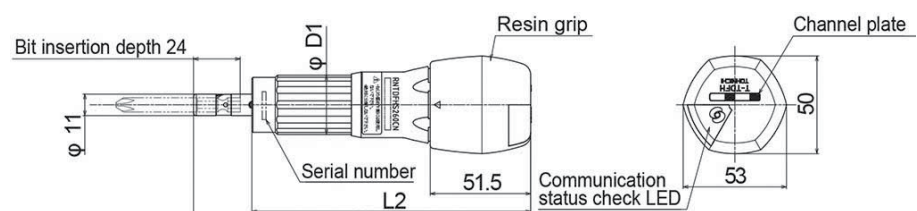
When torque is judged as NG, it feedbacks by red LED indicator.



Option: Setting-Box SB-FH2



Option: Receiver R-CM w Module M-FH



## RTDFH (with scale)

Model	Part No.	Torque Range			Applicable Screws		L' mm	φD1 mm	Weight kg	Hex inch
		cN·m	ozf·in	lbf·in	small	tapping				
RTDFH 120 CN	T202013-FH	24 - 120			(M3.5)	M3 (M3.5)	190.5	24	0.28	¼
RTDFH 260 CN	T202017-FH	52 - 260			M4 (M4.5)	M4	207.5	30	0.38	¼
RTDFH 500 CN	T202020-FH	100 - 500			M5, M6	(M4.5)	218.5	33	0.49	¼

## RNTDFH (no scale)

Model	Part No.	Torque Range			Applicable Screws		L' mm	φD1 mm	Weight kg	Hex inch
		cN·m	ozf·in	lbf·in	small	tapping				
RNTDFH 120 CN	T202104-FH	24 - 120	34 - 170	2.1 - 10	(M3.5)	M3 (M3.5)	166	24	0.26	¼
RNTDFH 260 CN	T202105-FH	52 - 260	74 - 368	4.4 - 22	M4 (M4.5)	M4	167	30	0.32	¼
RNTDFH 500 CN	T202106-FH	100 - 500	142 - 708	8.8 - 44	M5, M6	(M4.5)	175	33	0.43	¼

