

/ireless 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 $\pm 3\%$
- 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

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

INFO

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

RTDEH (with scale)

Remote Signal Rotary Slip Torgue 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 torgue 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.

O Multi-contact I/O box IO-CM doubles the input/output possibilities of receiver R-CM.



Model	Part No.	Torque Range	Graduation	Applicable Screws			øD1	Weight				
		cN⋅m	cN∙m		tapping		mm	kg	inch			
RTDFH 120 CN	T202013-FH	24 - 120	1	(M3.5)	M3 (M3.5)	190.5	24	0.28	1⁄4			
RTDFH 260 CN	T202017-FH	52 - 260	2	M4 (M4.5)	M4	207.5	30	0.38	1⁄4			
RTDFH 500 CN	T202020-FH	100 - 500	5	M5, M6	(M4.5)	218.5	33	0.49	1⁄4			

RNTDFH (no scale)											
Model	Part No.	Torque Range		Applicable Screws			øD1	Weight			
		cN⋅m	ozf∙in	lbf∙in		tapping				inch	
RNTDFH 120 CN	T202104-FH	24 - 120	34 - 170	2.1 - 10	(M3.5)	M3 (M3.5)	166	24	0.26	1⁄4	
RNTDFH 260 CN	T202105-FH	52 - 260	74 - 368	4.4 - 22	M4 (M4.5)	M4	167	30	0.32	1⁄4	
RNTDFH 500 CN	T202106-FH	100 - 500	142 - 708	8.8 - 44	M5, M6	(M4.5)	175	33	0.43	1⁄4	



Note: The RNTDFH series is preset using a test device. For initial delivery, a factory preset is available at no extra charge. If you wish to order a preset RNTDFH, please specify the Tohnichi model name and the required torque value [Example: Tohnichi RNTDFH120CNX90cN·m].







as NG, it feedbacks by

red LED indicator.





