

## RV2047

### 20V Brushless Angle Precision Nutrunner



- Precise auto shut-off when it reaches the desired torque with LED and buzzer indicator of joint status for either good or not-good fixing
- Built-in 2-way wireless communication that can connect to a PLC unit or computer
- The mechanical clutch technology enables precise and repeatable performance with minimal maintenance expenses
- Robust 90° angled head ensures precise torque in hard-to-reach places
- Improved ergonomics, weight, and reaction force with li-ion compact battery for fatigue-free working
- The brushless motor ensures the use of wear-free components, which reduces maintenance costs and extends the life cycle of the product



### TECHNICAL SPECIFICATIONS

Model	RV2047-3-WR12	RV2047-WR30	RV2047-WR45	RV2047-WR70	RV2047-WR90
Voltage	20V				
Drive	3/8" Square			1/2" Square	
Torque Range	3 - 12 Nm	8 - 30 Nm	18 - 45 Nm	20 - 70 Nm	40 - 90 Nm
Programmable Speed	840 - 1,200 RPM	210 - 300 RPM		160 RPM	100 RPM
Accuracy	Cmk (based on 6 $\sigma$ ) $\geq$ 1.67 at $\pm$ 10%				
Length (w/o battery)	44.5 cm			49 cm	
Tool Weight (w/o battery)	1.6 kg	1.7 kg		2.1 kg	

### NOISE/VIBRATION INFORMATION

Noise Value	Sound Pressure Level ( $L_{p,A}$ )	74.0 dB(A)				
	Noise Uncertainty (K Factor)	3.0 dB(A)				
Vibration Value	Average Vibration Level ( $A_{p,v}$ )	1.75 m/s <sup>2</sup>	1.97 m/s <sup>2</sup>	2.47 m/s <sup>2</sup>	3.12 m/s <sup>2</sup>	3.83 m/s <sup>2</sup>

## TECHNOLOGIES



DC motors have traditionally been driven by carbon brushes to power the motor. Over time these wear out and need replacing. All our motors are brushless meaning that the motor is controlled electronically without the need for carbon brushes ensuring your tool is maintenance-free.

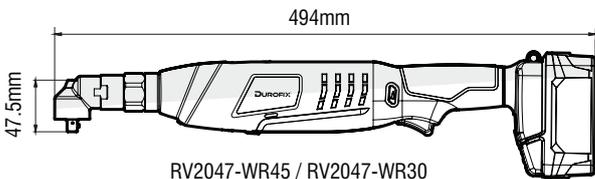


We have leveraged decades of electrical expertise from some of the world's leading electrical engineers to develop our wireless platform to record and control our professional assembly tools, that can be remotely controlled via our software or different protocols for PLC systems.



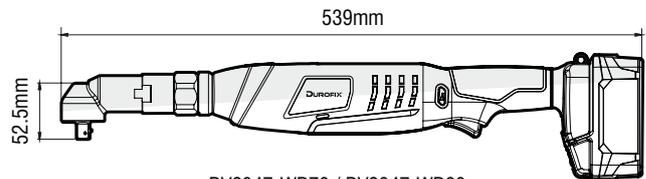
Our patent-pending All-In-One motor includes the power, control & communication board along with the automatic winding stator with an interior permanent magnet design rotor, all enclosed in a die-cast cover. These one-unit components have several advantages, including weight reduction, longer lifespan, and crucially our number one design goal of efficiency as there are no additional components to cool.

## DIMENSIONAL DRAWING

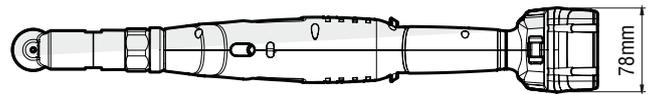
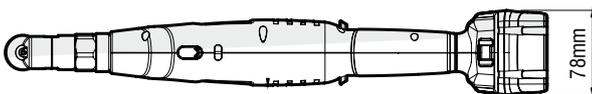


RV2047-WR45 / RV2047-WR30

RV2047-3-WR12 / RV2047-D-WR12 / RV2047-2-WR12



RV2047-WR70 / RV2047-WR90



## TOOL FEATURES



The mechanical clutch prevents over-tightening of fasteners by disengaging the drive mechanism when a preset torque level is reached, ensuring precision and preventing damage.



The auto shut-off function automatically shuts down the tool to prevent over-tightening and enhance safety during operation.



Our buzzer serves as an audible alert to notify the user of specific conditions or errors during operation, enhancing safety and efficiency.



Effortlessly reach tight and difficult-to-reach spaces with the angled socket feature.



Low vibration minimises the risk of injury and fatigue on the operator, making it safer to use for long periods.



Illuminate your workspace with the built-in LED light on this power tool, ensuring visibility in low-light conditions for enhanced work safety.