

## Product Objectives

- Develop a ratchet wrench that is compact and lightweight, ideal for accessing tight spaces
- Primarily designed for mechanics; such as automotive, marine, plant and equipment. Also suitable for manufacturing, building, machinist, HVAC and fabrication


Product Overview


## Product Specification Sheet



- Interchangeable Socket Adaptor - Standard with 1/4" \& 3/8" socket adaptor and can be used as a pass-through ratchet wrench for tightening 13 mm nut
- Reversing Lever - Turn the reversing lever left for clockwise direction or to the right for anticlockwise rotation
- Trigger Lock - Prevent the trigger from being accidentally pulled
- Variable Speed Trigger - Trigger has been designed so that the speed is easily controlled by the trigger
- LED Job Light - With pre-glow and after glow function, lights up the work piece making it easier to view the work area
- Hand Tool - Can use the tool as a hand ratchet wrench; when loosening a stiff bolt/nut, loosen it by hand first and then turn the tool on
- CXT Compact eXtreme Technology - Ultra compact and lightweight design allows user to comfortably handle the tools for extended periods of time.


## Advantages



Reversing Lever for clockwise and anticlockwise rotation


## Our Range

|  | TW161D | TW160D | TW141D | TW140D | TW060D | TL065D | WR100D |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |
| Max. capacities standard bolt | M8-M16 | M8-M16 | M8-M16 | M8-M16 | M8-M12 | M4-M12 | M5-M12 |
| Max. capacities high tensile bolt | M6-M12 | M6-M12 | M6-M12 | M6-M12 | M6-M10 | M4-M8 | M5-M10 |
| No load speed | Hard: 0-2,400rpm Soft: 0-1,300rpm | Hard: 0-2,400rpm Soft: 0-1,300rpm | 0-2,600rpm | 0-2,600rpm | 0-2,600rpm | 0-2,000rpm | 0-800rpm |
| Impact rate | Hard: 0-3,600ipm Soft: 0-2,000ipm | Hard: 0-3,600ipm Soft: 0-2,000ipm | 0-3,200ipm | 0-3,200ipm | 0-3,200ipm | 0-3,000ipm | - |
| Max. fastening torque | 165Nm | 160Nm | 145Nm | 140Nm | 60Nm | 60Nm | 47.5 Nm |
| Drive shank | 12.7 mm (1/2") | 9.5 mm (3/8") | 12.7 mm (1/2") | 9.5 mm (3/8") | 6.35 (1/4") | 9.5 mm (3/8") | $\begin{aligned} & 6.35 \mathrm{~mm}(1 / 4 ") \\ & 9.5 \mathrm{~mm}(3 / 8 ") \end{aligned}$ |
| Overall length | 150 mm | 144mm | 168mm | 161 mm | 161 mm | 380 mm | 341 mm |
| Skin weight | 1.0 kg | 1.0 kg | 0.8 kg | 0.8 kg | 1.1 kg | 1.1 kg | 1.0 kg |
| Weight (with battery) | 1.2 kg | 1.2 kg | 1.0 kg | 1.2 kg |  | 1.5 kg | 1.2 kg |
| Voltage | 12V Max | 12V Max | 12V Max | 12V Max | 12V Max | 12V Max | 12V Max |

## Accessories

## Standard Accessories

191A50-3 | Socket Adaptor 9.5 mm |
| :---: |
| $\left(3 / 8^{\prime \prime}\right)$ |

Optional Accessories


